

Essex Recorders partnership Datasearch Report

Essex Field Club

Registered Charity Number 1113963

In partnership with

Basildon Council

Buglife

Butterfly Conservation

Essex Amphibian & Reptile Group

Essex Bat Group

Essex Birdwatching Society



Bio and Geodiversity data regarding
Little Thurrock Marshes
Radius 2km from TQ6292077380
Customer Reference: TMA150940

On behalf of

Mr Mark Doherty
Tim Moya Associates

EFC1998, 07 Oct 2015

When information from this report is provided to a planning authority or as part of a desk study to support an Environmental Statement or planning application, then the report must be given in full and not changed or redacted.

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Essex Amphibian and Reptile Group



Essex Recorders partnership

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Essex Amphibian and Reptile Group



Essex Recorders partnership Datasearch Report

Project: Little Thurrock Marshes

Search Area: Radius 2km from TQ6292077380

Our Reference: EFC1998

Customer Reference: TMA150940

Dated: 07 Oct 2015

On behalf of:

Mr Mark Doherty

Tim Moya Associates

This report was compiled using records held by the County Recorders of the Essex Field Club, Basildon Council, Buglife, Butterfly Conservation, Essex Amphibian & Reptile Group, Essex Bat Group, Essex Birdwatching Society and available at the time of creation.

Enclosed within this report is the following information specific to the enquiry site area:

All of a Buzz in Thames Gateway Sites	<input checked="" type="checkbox"/>
Nature Improvement Areas	<input checked="" type="checkbox"/>
Special Areas of Conservation	<input checked="" type="checkbox"/>
Special Protection Areas	<input checked="" type="checkbox"/>
Ramsar Sites	<input checked="" type="checkbox"/>
Marine Conservation Zones	<input checked="" type="checkbox"/>
Sites of Special Scientific Interest details	<input checked="" type="checkbox"/>
Local Nature Reserves	<input checked="" type="checkbox"/>
Country Parks	<input checked="" type="checkbox"/>
Common Land	<input checked="" type="checkbox"/>
Ancient Woodland Inventory	<input checked="" type="checkbox"/>
Traditional Orchard Inventory	<input checked="" type="checkbox"/>
Invertebrate Assemblage Information	<input checked="" type="checkbox"/>
Protected Species	<input checked="" type="checkbox"/>
Priority Section 41 Species	<input checked="" type="checkbox"/>
National Red List and Scarce Species	<input checked="" type="checkbox"/>
Essex Red Data List Species	<input checked="" type="checkbox"/>
All Species Records	<input type="checkbox"/>
Invasive Species	<input checked="" type="checkbox"/>
Geological Sites	<input checked="" type="checkbox"/>

1. Introduction

Biological species recording is largely undertaken by committed naturalists on a voluntary basis and on land with public access. Recording is much more rarely undertaken for planning and development purposes, or such data subsequently provided to centralised biological recording specialists, the County Recorders. Desk studies can therefore only ever provide guidance on what is already known about the species recorded in an area, and absence of species records for a search area does not mean they may not occur. For any site with potential nature conservation significance a full ecological site appraisal should be undertaken and species surveys carried out to complement the information contained in this report.

Copyrights

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All site boundaries have been mapped using Ordnance Survey OS OpenData subject to the OS OpenData Licence. Persons viewing this material should contact Ordnance Survey for advice if they wish to licence Ordnance Survey data for their own use.

Data accuracy

The Essex Recorders partnership does not guarantee the accuracy of any information supplied and shall have no liability for any loss, damage or expense incurred as the result of reliance on any information supplied.

The Essex Recorders partnership can only provide information based on the data held by us. In particular, the absence of records for a species does not necessarily indicate that the species itself is absent, merely that it not been recorded, that we have not received records for it or the data are unavailable in suitable format at this time.

Access and use of data

The data provided in this report must not be added to a permanent database without the prior permission of the Essex Recorders partnership or copyright holder. Resale or transfer to third parties is strictly prohibited.

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When publishing information derived from these data, the Essex Field Club, Essex Recorders partnership and any other copyright holders and the date of receipt must be acknowledged.

The data held by the Essex Recorders partnership is updated regularly and will become out-of-date. If you intend to use this data after a period of six months please contact us to confirm that we have no new records.

Designations

Except for Essex designations included in the Essex Biodiversity Action Plan or Essex Red Data List, or where otherwise indicated, designations used in this report are derived from the Joint Nature Conservation Committee (JNCC) Master list regardless of the status of the species in the county.

2. Data available through the Essex Recorders partnership

This report provides access to the following species datasets:

Data Provider	Species Group	County Coverage
EFC/Essex Amphibian & Reptile Group	amphibians and reptiles	County data
Essex Field Club	honey bee and bumblebees	Available county data
Essex Field Club	bees and wasps	County data
Essex Field Club	ants	County data
Essex Field Club	beetles	Available county data
Essex Field Club	centipedes and millipedes	County data
Essex Field Club	hoverflies	Available county data
Essex Field Club	soldier flies and allies	County data
Essex Field Club	flies (other)	County data
Essex Field Club	grasshoppers, crickets and allies	County data
Essex Field Club/Butterfly Conservation	butterflies	County data
Essex Field Club/Essex Moth Group	larger moths	County data
Essex Field Club/Essex Moth Group	micro-moths	County data
Essex Field Club	leafhoppers and allies	Available county data
Essex Field Club	true bugs	Available county data
Essex Field Club	spiders	County data
Essex Field Club	harvestmen	County data
Essex Field Club	pseudoscorpions	County data
Essex Field Club	flowering plant	Available county data
Essex Field Club	woodlice	County data
Essex Field Club	dragonflies & damselflies	County data 2000-2006 + other data sample
Essex Field Club	non-vascular plants	Available county data
Essex Field Club	other Hymenoptera	County data
Essex Field Club	molluscs	Sample of data
Essex Field Club	lichens	Sample of data
Essex Field Club	fungi	Available county data
Essex Field Club	other mammals	County data
Essex Field Club	bats	County data
Essex Field Club	Invasive species	Available data
Essex Field Club	slime moulds	Small number of records
EFC Schemes	EFC Schemes records	EFC Schemes records
Essex Bat Group	Essex Bat Group data	Dataset



Sections on site designations

The following sections provide data on site designations in relation to the datasearch request search area. For statutory designated conservation sites, these are provided on maps expanded to cover a 5km radius.

We cannot currently provide information on Local Wildlife Sites. For these contact the local authority or see www.localwildlifesites.org.uk/ and www.essexwt.org.uk/protecting-wildlife/local-wildlife-sites

3. All of a Buzz in the Thames Gateway

Research into the loss of wildlife-rich brownfields reveals that over half have been either destroyed or are due to be lost in the six years since the landmark 'All of a Buzz in the Thames Gateway' project.

Please note, the dataset is a picture in time of a sometimes rapidly evolving habitat type, which may lead to sites being overlooked, excluded or previously undervalued.

The exclusion of a site from the dataset does not confirm an absence of wildlife-rich Open Mosaic Habitat on Previously Developed Land (a habitat of Principal Importance).

The exclusion of a site from the dataset does not indicate low potential for invertebrates.

This information/data should be used as a guide only. It is recommended that the client/surveyor undertake an independent specialist investigation to confirm the current status of OMH on the site

Thames Gateway brownfields

Thames Gateway brownfields support assemblages of nationally important invertebrates. At least 15 UK Biodiversity Action Plan (UKBAP) species are strongly associated with Thames Gateway brownfields, many of which are found nowhere else in the UK, including the Streaked bombardier beetle (*Brachinus sclopeta*) and Distinguished jumping spider (*Sitticus distinguendus*). Much of this important wildlife is dependent on a network of brownfield sites and results from the unique combination of an unusually continental climate, industrial heritage and the previous cover of dry, flower-rich, open grasslands.

'All of a Buzz in the Thames Gateway' (AOAB)

Between 2005 and 2008, Buglife collaborated with English Nature (now Natural England) on the AOAB project which quantified the ecological importance of brownfield land for biodiversity at a landscape scale. 6,900 hectares were mapped and the ecological value of 450 sites assessed using novel methods. Sites were assessed as being of High, Medium or Low potential for supporting Red Data Book and UKBAP invertebrates. The report found that 198 sites (over 40%) showed High or Medium potential for invertebrate biodiversity, based on at least some features or sub-areas within the whole site.

'The State of Brownfields in the Thames Gateway' 2012

In 2012 Buglife set out to assess the loss of these wildlife-rich brownfields using up-to-date aerial images and site visits. The 198 sites identified as being either High or Medium potential for invertebrates were revisited and categorised as being: intact; completely destroyed; partially destroyed; or having an outstanding planning permission likely to lead to the loss of invertebrate interest.

The report found that in the six-year period since assessment, over half of the wildlife-rich brownfield sites had been either destroyed or had an outstanding planning permission. Only 98 of the 198 sites remained intact and secure in the short-term. London showed the greatest losses, with over two thirds of sites either lost or immediately threatened.

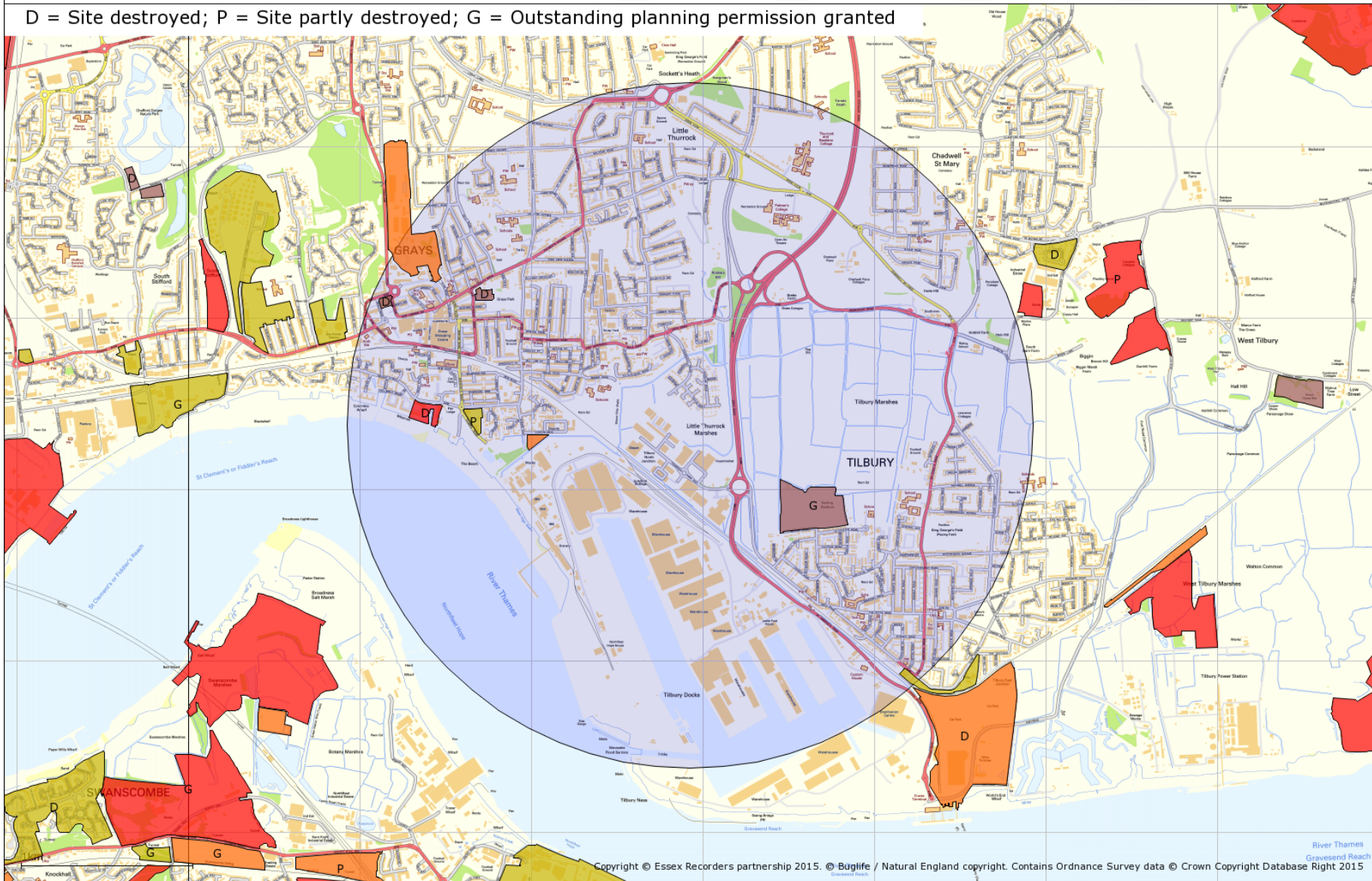
Development and regeneration is undoubtedly resulting in unsustainable losses of wildlife-rich brownfields across the Thames Gateway, despite an increased recognition of their ecological value. The failure to protect over 50% of the sites reviewed shows that there is insufficient protection for quality brownfield sites, despite many supporting UK BAP open mosaic habitat on previously developed land.

The loss of swathes of high quality brownfield habitat is likely to have a significant negative impact on the region's rare invertebrates. These losses run the risk of rare species being completely lost from the regional and national fauna. The protection of remaining wildlife-rich brownfields is now essential. See www.buglife.org.uk/campaigns-and-our-work/habitat-projects/all-buzz-thames-gateway

ALL OF A BUZZ BROWNFIELD ASSESSMENTS

High potential Medium potential Low potential Not assessed

D = Site destroyed; P = Site partly destroyed; G = Outstanding planning permission granted



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4. Nature Improvement Areas (NIAs)

Greater Thames Marshes Nature Improvement Area

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The Greater Thames Marshes Nature Improvement Area covers nearly 50,000ha of estuarine marshland in South East England, stretching from East London to Southend in Essex and Whitstable in Kent. It is one of the most important estuaries in Europe for some 300,000 wintering waterfowl and is home to endangered species such as the Water Vole, Shril Carder Bee, unique invertebrates of the Thames Terrace soils and many farmland birds.

This valuable natural landscape is under pressure from habitat loss and disturbance through growth of developments, roads and other infrastructure; colonisation by invasive species that outcompete native species of flora and fauna, such as mink; and climate change, where sea-level rise will swallow up inter-tidal habitats leading to further loss of this valuable habitat.

The Greater Thames Marshes NIA seeks to protect and enhance this valuable habitat and increase numbers of endangered species and protect existing flora and fauna. Thus this important landscape that is highly protected by national and international legislation is failing to live up to its full potential.

The Greater Thames Marshes Nature Improvement Area aims to work with local communities, visitors, businesses and experts to restore this valuable habitat to its former glory. The result will be a vibrant marshes and estuarine landscape where residents, businesses and experts work together for the benefit of wildlife to create a robust natural landscape that can exist alongside development and has greater resistance to the challenges of climate change.

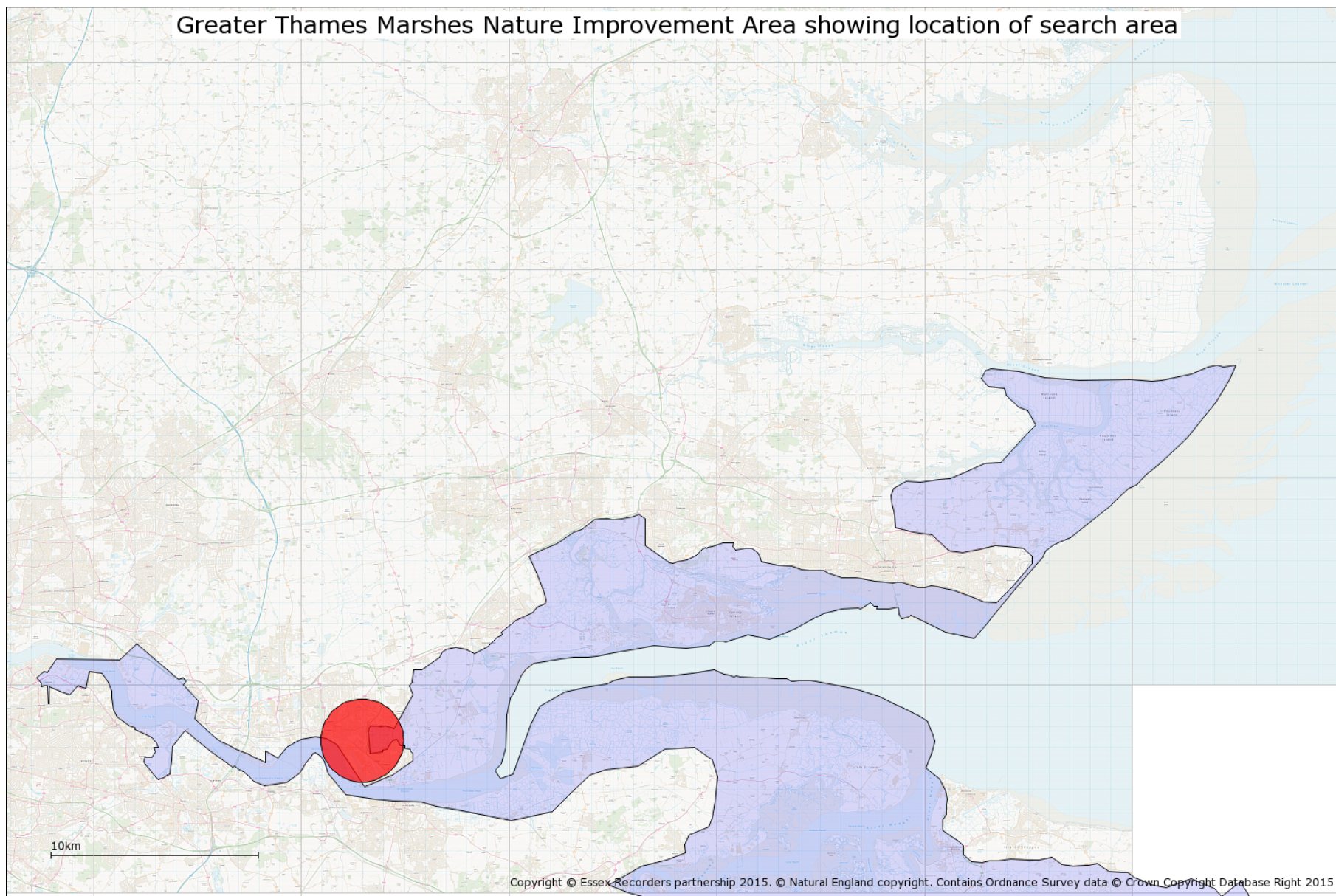
AIMS

The Greater Thames Marshes Nature Improvement Area will:

1. Map evidence to determine where to target action that will have the greatest benefit to the overall area;
2. Manage, create and restore habitat for the benefit of scarce Thames Terrace invertebrates and breeding waders such as Lapwing, plus Brown Hare and invertebrates including the Scarce Emerald Damselfly;
3. Work with business partners to increase investment in the area, such as commercial regeneration and biodiversity offsetting;
4. Engage local communities through a series of events and by increasing access to the area to widen awareness and understanding of the Greater Thames Marshes;
5. Ensure sustainability in the long-term through ongoing funding bids, promoting and supporting community and stakeholder involvement.

Visit the Partnership NIA website at www.greaterthamesmarshes.com

Greater Thames Marshes Nature Improvement Area showing location of search area



5. Special Areas of Conservation

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A Special Area of Conservation (SAC) is an area which has been given special protection under the European Union's Habitats Directive. SACs provide increased protection to a variety of wild animals, plants and habitats and are a vital part of global efforts to conserve the world's biodiversity.

See www.naturalengland.org.uk/ourwork/conservation/designations/sac/

No Special Area/s of Conservation are identified in relation to the search area

6. Special Protection Areas

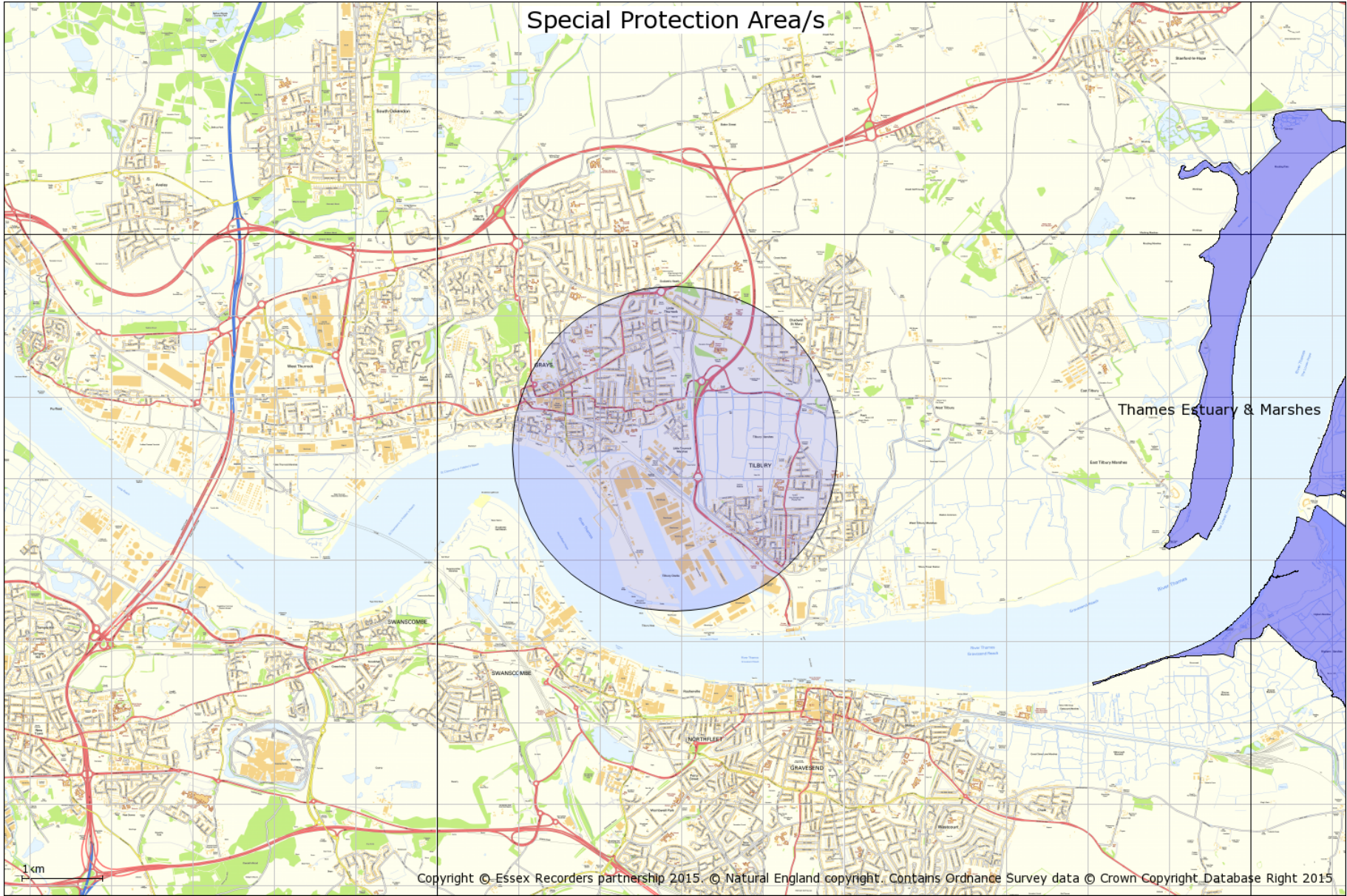
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A Special Protection Area (SPA) is an area of land, water or sea which has been identified as being of international importance for the breeding, feeding, wintering or the migration of rare and vulnerable species of birds found within the European Union. SPAs are European designated sites, classified under the European Wild Birds Directive which affords them enhanced protection.

See www.naturalengland.org.uk/ourwork/conservation/designations/spa/

There is 1 Special Protection Area/s identified in relation to the search area.

Thames Estuary & Marshes



7. Ramsar sites

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Ramsar sites are wetlands of international importance, designated under the Ramsar Convention.

Wetlands are defined as areas of marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed six metres.

Ramsar sites may also incorporate riparian (banks of a stream, river, pond or watercourse) and coastal zones adjacent to the wetlands, and islands or bodies of marine water deeper than six metres at low tide lying within the wetlands.

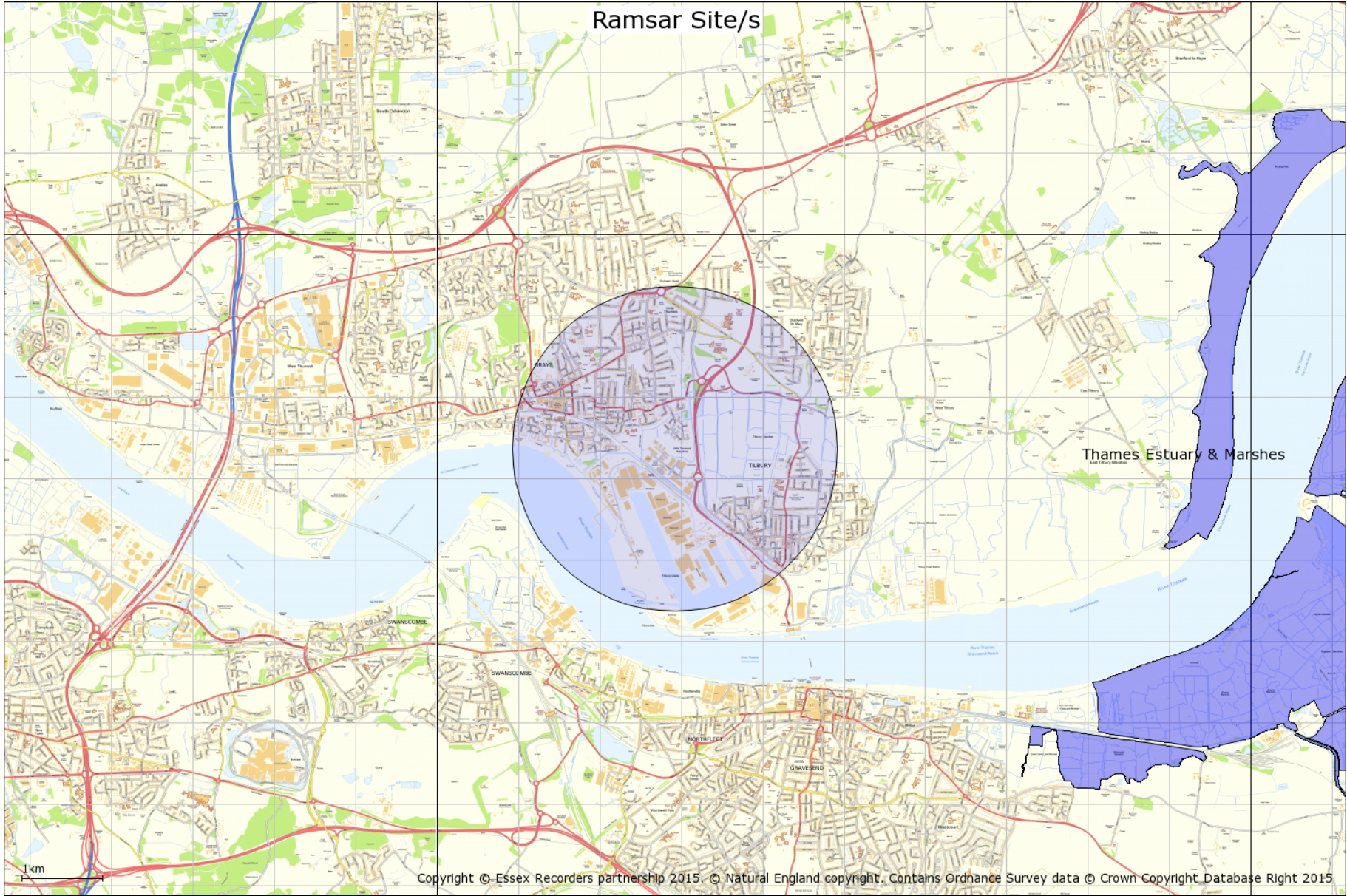
What is the Ramsar Convention?

The Ramsar Convention is an international agreement signed in Ramsar, Iran, in 1971, which provides for the conservation and good use of wetlands. The UK Government ratified the Convention and designated the first Ramsar sites in 1976.

See www.naturalengland.org.uk/ourwork/conservation/designations/ramsars/

There is 1 Ramsar Site/s identified in relation to the search area.

Thames Estuary & Marshes



8. Marine Conservation Zone/s

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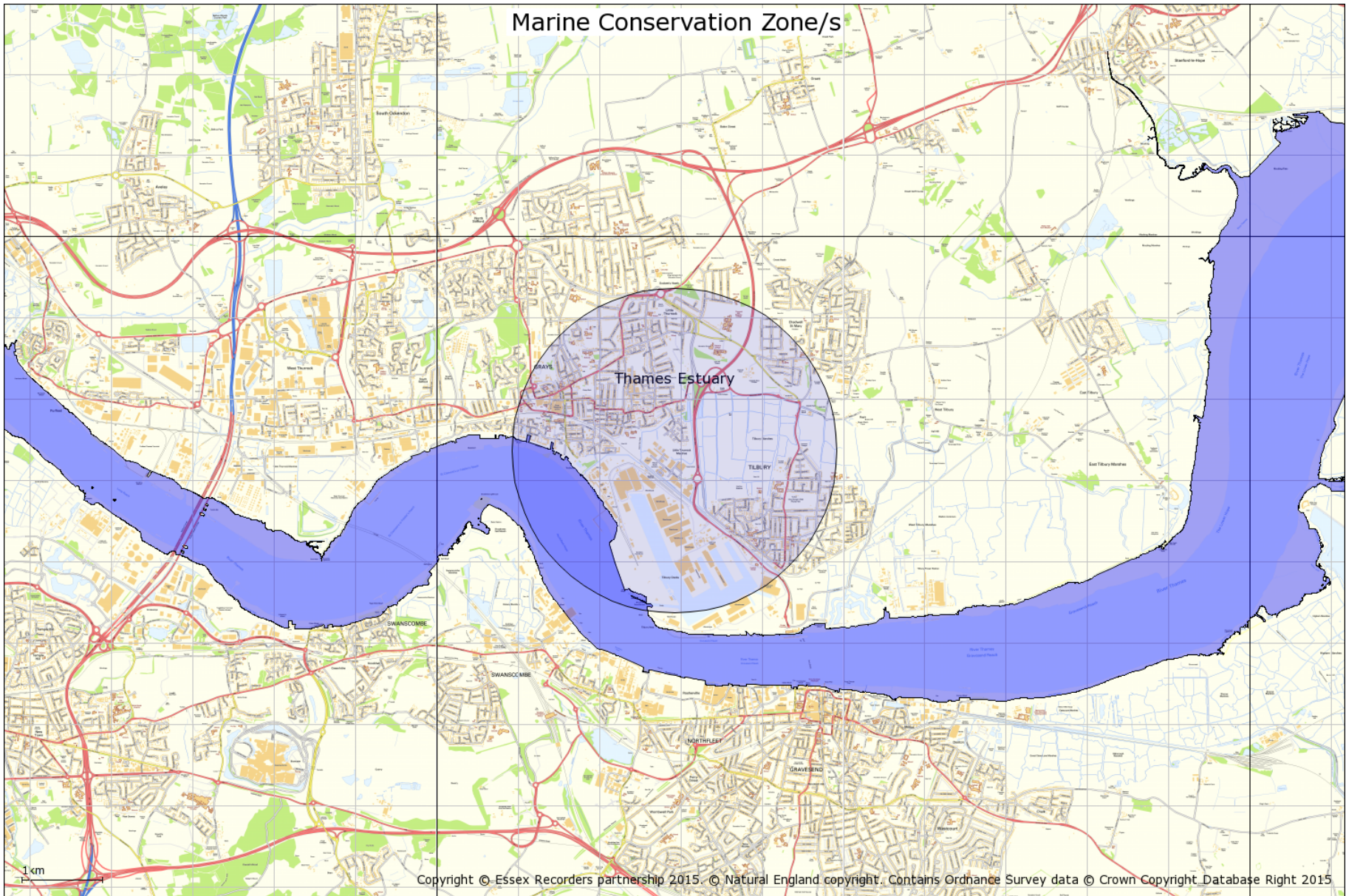
Marine Conservation Zones (MCZs) are a type of Marine Protected Area. They protect areas that are important to conserving the diversity of nationally rare or threatened habitats and/or species and those places containing habitats and/or species that are representative of the biodiversity in our seas.

The Marine and Coastal Access Act 2009 (Part 5) enables Defra Ministers to designate and protect Marine Conservation Zones (MCZs). These are a type of marine protected area, which will exist alongside European marine sites [Special Areas of Conservation (SACs) and Special Protected Areas (SPAs)], SSSIs and Ramsar sites to form an ecologically coherent network of marine protected areas.

See <http://www.naturalengland.gov.uk/ourwork/marine/mpa/mcz/default.aspx>

There is 1 Marine Conservation Zone/s identified in relation to the search area.

Thames Estuary



9. National Nature Reserves

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England's National Nature Reserves (NNRs) represent many of the finest wildlife and geological sites in the country. Our first NNRs emerged in the postwar years alongside the early National Parks, and have continued to grow since then.

Natural England is the body empowered to declare NNRs in England, the Reserves being a selection of the very best parts of England's Sites of Special Scientific Interest. It is this underlying designation which gives NNRs their strong legal protection. The majority also have European nature conservation designations.

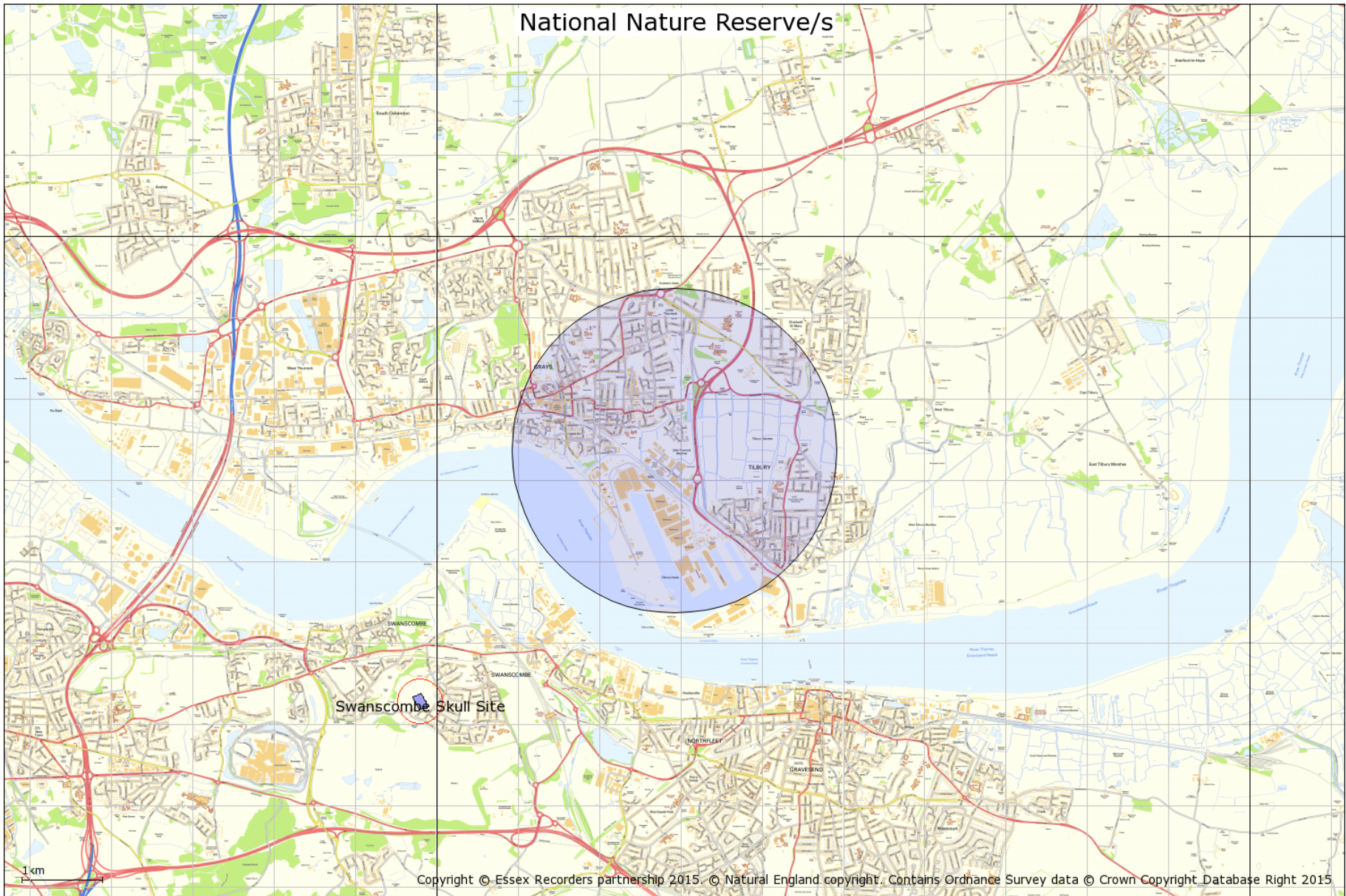
Nearly every type of vegetation is found in England's NNRs, from coastal salt-marshes, dunes and cliffs to downlands, meadows and the subtle variations of our native woodlands. Scarce and threatened habitats such as chalk downs, lowland heaths and bogs and estuaries are conserved in NNRs.

Many NNRs contain nationally important populations of rare flowers, ferns and mosses, butterflies and other insects, and of course nesting and wintering birds. Examples include unique alpine plants at Upper Teesdale and the beautiful field of fritillary lilies at North Meadow, Cricklade, Wiltshire.

See www.naturalengland.org.uk/ourwork/conservation/designations/nnr/default.aspx

There is 1 National Nature Reserve/s identified in relation to the search area.

Swanscombe Skull Site



10. Sites of Special Scientific Interest

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There are over 4,100 Sites of Special Scientific Interest (SSSIs) in England, covering around 7% of the country's land area. Over half of these sites, by area, are internationally important for their wildlife, and designated as Special Areas of Conservation (SACs), Special Protection Areas (SPAs) or Ramsar sites. Many SSSIs are also National Nature Reserves (NNRs) or Local Nature Reserves (LNRs).

SSSIs are the country's very best wildlife and geological sites. They include some of our most spectacular and beautiful habitats - large wetlands teeming with waders and waterfowl, winding chalk rivers, gorse and heather-clad heathlands, flower-rich meadows, windswept shingle beaches and remote uplands moorland and peat bog.

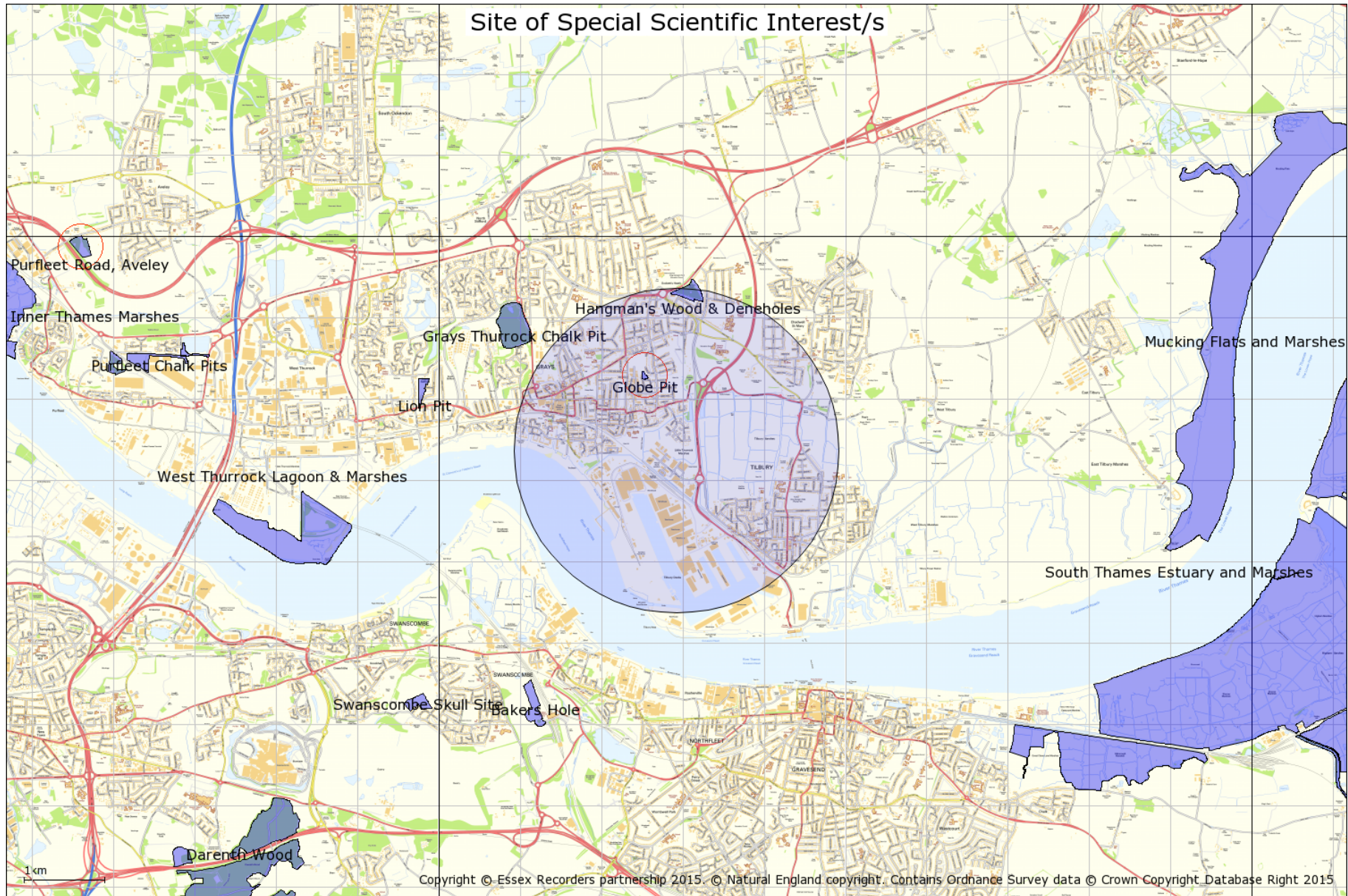
It is essential to preserve our remaining natural heritage for future generations. Wildlife and geological features are under pressure from development, pollution, climate change and unsustainable land management. SSSIs are important as they support plants and animals that find it more difficult to survive in the wider countryside. Protecting and managing SSSIs is a shared responsibility, and an investment for the benefit of future generations.

See www.sssi.naturalengland.org.uk/Special/sssi/index.cfm

For information on SSSI Impact Risk Zones (IRZs) see http://www.magic.gov.uk/Metadata_for_magic/SSSI%20IRZ%20User%20Guidance%20v1.9%20MAGIC%2003November2014.pdf

There are 13 Site of Special Scientific Interest/s identified in relation to the search area.

Bakers Hole
Darenth Wood
Globe Pit
Grays Thurrock Chalk Pit
Hangman's Wood & Deneholes
Inner Thames Marshes
Lion Pit
Mucking Flats and Marshes
Purfleet Chalk Pits
Purfleet Road, Aveley
South Thames Estuary and Marshes
Swanscombe Skull Site
West Thurrock Lagoon & Marshes



11. Local Nature Reserves

© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right [2015]. NB This national dataset is “indicative” not “definitive”. Definitive information can only be provided by individual local authorities and you should refer directly to their information for all purposes that require the most up to date and complete dataset.

Local Nature Reserve (or LNR) is a statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949, and amended by Schedule 11 of the Natural Environment and Rural Communities Act 2006, by principal local authorities.

Local Nature Reserves (LNRs) are for both people and wildlife. They are places with wildlife or geological features that are of special interest locally. They offer people special opportunities to study or learn about nature or simply to enjoy it.

By declaring Local Nature Reserves (LNRs), local authorities can provide many benefits for both people and wildlife.

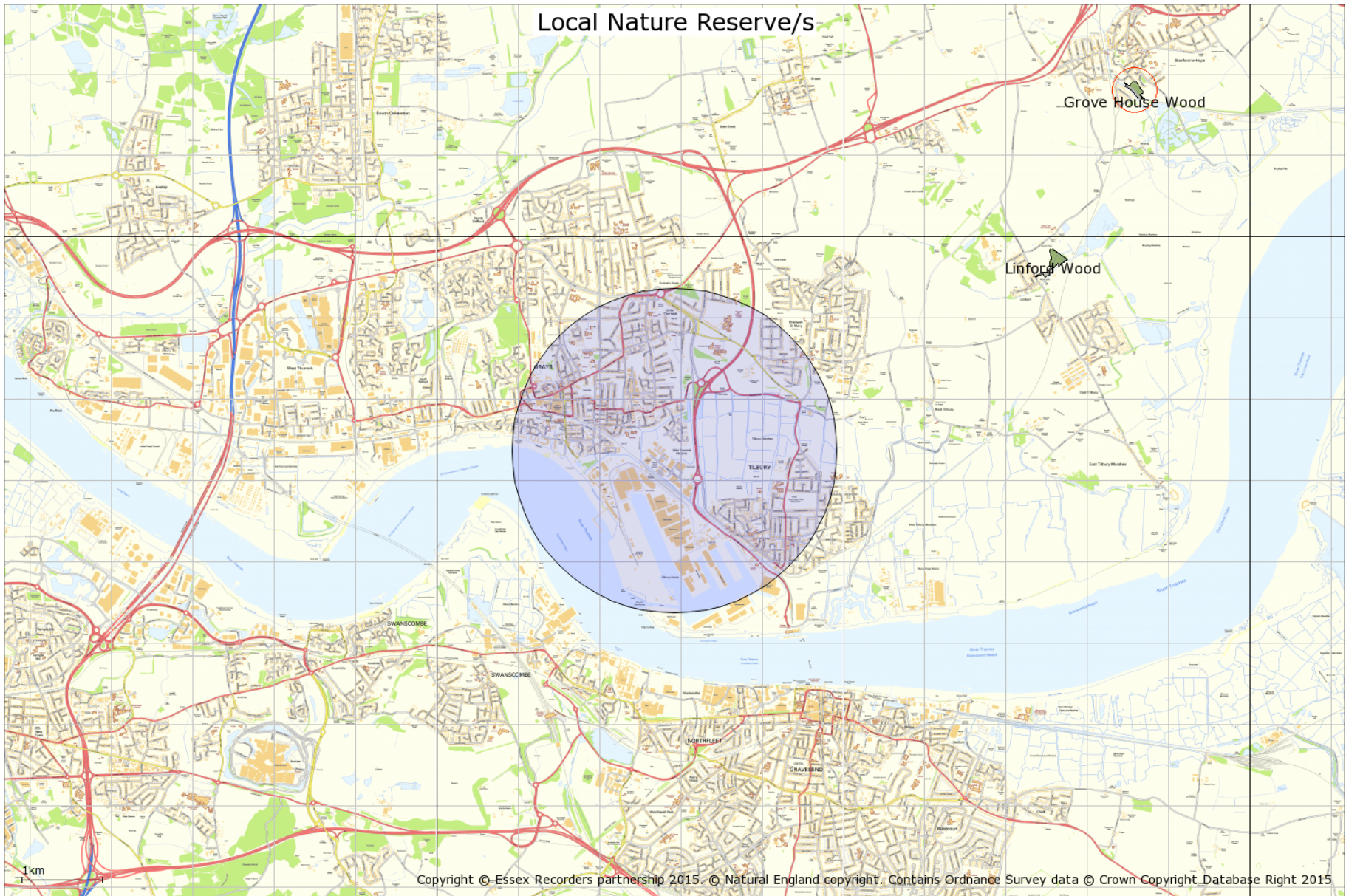
To:

- increase people's awareness and enjoyment of their natural environment
- provide an ideal environment for everyone to learn about and study nature
- help to build relationships with national and local nature conservation organisations and local people protect wildlife habitats and natural features provide a great opportunity for people to become involved in managing their local environment offer a positive use for land which they would prefer was left undeveloped make it possible to apply bye-laws which can help in managing and protecting the site.

See www.naturalengland.org.uk/ourwork/conservation/designations/lnr/

There are 2 Local Nature Reserve/s identified in relation to the search area.

Grove House Wood
Linford Wood



12. Country Park/s

Natural England recognises country parks as significant places that contribute to England's accessible natural greenspace.

Many are located near or within towns and cities and therefore close to where people live. All provide a wide range of opportunities for recreation, health and education and improve the quality of life for their local communities.

Country Parks were established as a result of the 1968 Countryside Act and there are currently more than 400 sites that call themselves Country Parks in England. They are visited by over 70 million visitors a year.

They are public green spaces often at the edge of urban areas which provide places to enjoy the outdoors and experience nature in an informal semi-rural park setting. Country Parks normally have some facilities such as a car park, toilets, perhaps a cafe or kiosk, paths and trails, and visitor information. There is not necessarily public right of access, although most are publicly accessible; some charge entry others do not.

See www.naturalengland.gov.uk/ourwork/enjoying/places/countryparks/default.aspx

There is 1 Country Park/s identified in relation to the search area.

Swanscombe Heritage Park



13. Open Country and Common Land

Conclusive Map Data of Open Country:

Created under the Countryside and Rights of Way (CROW) Act 2000, the Open Country (OC) data was digitised from OS MasterMap by the contractors Black and Veatch Consulting Limited on behalf of the Countryside Agency. It consists of all land that appears to the Countryside Agency to consist wholly or predominantly of mountain, moor, heath and down and is not registered common land. It includes any modifications determined by the Planning Inspectorate as a result of appeals. It includes areas of land that are excepted from the rights of access as specified in Part 1 of Schedule 1 of the CROW Act. It may be amended for certain errors under current error regulations. The map must be reviewed not more than 10 years after its issue in conclusive form.

Conclusive Map Data of Registered Common Land:

Created under the CROW Act 2000, the Registered Common Land (RCL) data was digitised from DNF Landline by the contractors Geodata on behalf of the Countryside Agency. It is a digitised copy of land registered as common land under the Commons Registration Act 1965. It includes any modifications determined by the Planning Inspectorate as a result of appeals. It includes areas of land that are excepted from the rights of access as specified in Part 1 of Schedule 1 of the CROW Act. It may be amended for certain errors under current error regulations. The map must be reviewed not more than 10 years after its issue in conclusive form.

Important Notes:

There is no right of access to land shown as OC or RCL until the relevant Commencement Order for the area becomes effective.

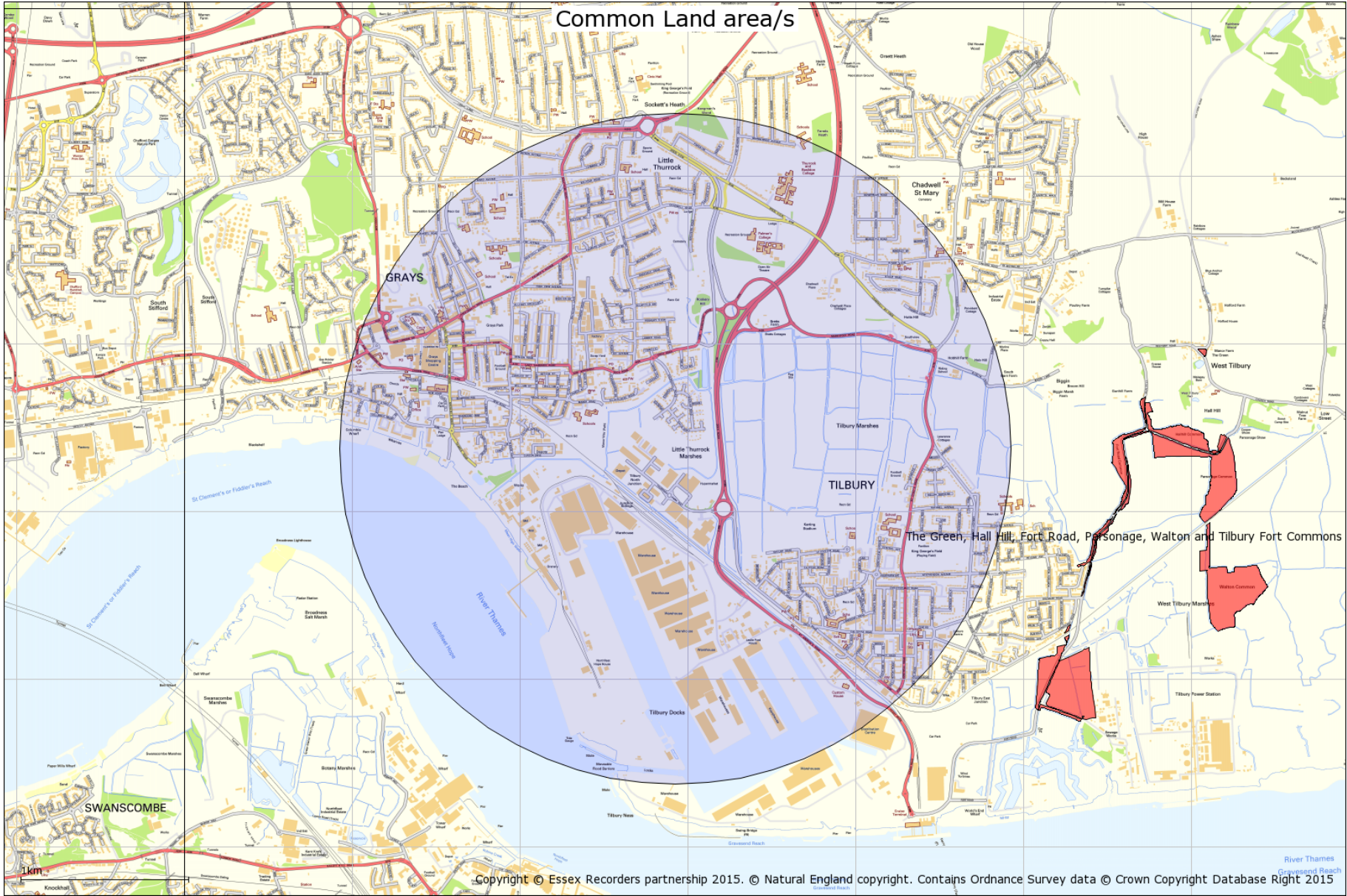
There is no right of access to land shown as OC or RCL where such land meets any of the descriptions of excepted land as specified in Part 1 of Schedule 1 of the CROW Act. This includes areas of land such as racecourses, aerodromes and military byelaw land.

There may be restrictions on the right of access in some areas of land. Under the CROW Act, landowners or tenants of access land have a 28-day allowance of restrictions each calendar year and can also apply for longer term restrictions. Digital data of restrictions to the rights of access will not be made available to third parties. All restrictions can be viewed on the website <http://www.countrysideaccess.gov.uk>. More information about restrictions can be found here: <http://www.openaccess.gov.uk>

No Open Country area/s are identified in relation to the search area

There is 1 Common Land area/s identified in relation to the search area. (Red polygon/s)

The Green, Hall Hill, Fort Road, Parsonage, Walton and Tilbury Fort Commons



14. Ancient woodland Inventory

Ancient Woodlands (England). © Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right [2015]

Ancient woodland is land that has had a continuous woodland cover since at least 1600 AD and may be ancient semi-natural woodland (ASNW), which retains a native tree and shrub cover that has not been planted, although it may have been managed by coppicing or felling and allowed to regenerate naturally, or plantation on ancient woodland sites (PAWS) where the original tree cover has been felled and replaced by planting, often with conifers, and usually over the last century.

See www.naturalengland.org.uk/about_us/whatwedo/partnership/casestudies/ancientwoodland.aspx

Ancient woodland Inventory polygon/s identified in relation to the search area are shown on the map.

Ancient woodland Inventory polygon/s



15. Traditional Orchard Inventory

Natural England Traditional Orchard Inventory (Provisional) for England© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right [2015]

Definitions

Traditional Orchard

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. Traditional Orchards are managed in a low intensity way with the orchard floor grazed or mown for hay and with little or no chemical input.

The Traditional Orchard Inventory for England

The inventory identifies Traditional Orchard sites in England. Traditional Orchards are located using aerial photography, Ordnance Survey MasterMap, external datasets compiled from historic surveys, and ground survey ("ground-truthing"). The information recorded about each orchard and stored on the Inventory Database includes its grid reference, its area in hectares, management features of the site and its condition (based on condition assessment criteria).

Limitations of the Traditional Orchard Inventory:

The inventory is classed as 'provisional' because it is under a constant system of review and is updated as new information is received or actual changes are recorded. If you have information that would help Natural England to update the inventory please let them know.

Traditional Orchards HAP Definition

Traditional orchards are defined, for priority habitat purposes, as groups of fruit and nut trees planted on vigorous rootstocks at low densities in permanent grassland; and managed in a low intensity way. Cobnut plats are also included.

The minimum size of a traditional orchard is defined as five trees with crown edges less than 20m apart. However, the potential biological and genetic interest of sites with fewer trees, such as relict orchards and individual trees within gardens is noted. Where appropriate these should be considered as potential restoration sites. It is recognised that other sites which fall outside the definition, such as organic bush orchards and fruit collections in walled gardens may also have biodiversity value, as well as historic, cultural and genetic importance.

There are 2 Traditional Orchard Inventory site/s identified in relation to the search area.

Traditional Orchard Inventory site/s



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Species data

The following sections provide species data in accordance with the datasearch request. Please note that species records are included for all 1km squares crossed by the search area. This is because many records are made at 1km resolution, and they could have been recorded anywhere within the 1km square. The data is provided for the search area on this basis and not the wider area shown on the site designation maps.

Search polygons which are not a radius from a point include a 1km extension outside the polygon boundary extents. Search polygons made up of a corridor may however include data from a wider area as defined by the east, west, south and north edges of the area.

Natural England provides new standard advice on how to address invertebrates and their habitats within the planning system. The standard advice is hosted on the brownfield “open mosaic habitats on previously developed land” inventory website at <http://habitatsurveys.esdm.co.uk/links>

16. Invertebrate Assemblage Information

This information is based on the use of Natural England's ISIS (2010) methodology. Assemblages are identified from records for the search area and 1km squares crossed by the search area. Please note: these assemblages are identified from existing data and the results only indicate significance already identified from untargeted survey. Specific targeted specialist survey work should be undertaken of the search area to further evaluate identified invertebrate assemblages and identify others which may be important.

Broad Assemblage Types

Invertebrate assemblages are helpful in identifying nature conservation significance of a recorded invertebrate fauna. The following Broad Assemblage Types are highlighted:

Broad Assemblage Types identified:

arboreal canopy	close to favourable condition
wood decay	close to favourable condition
unshaded early successional mosaic	favourable condition
grassland & scrub matrix	close to favourable condition
shaded field & ground layer	close to favourable condition
saltmarsh, estuary & mud flat	favourable condition
flowing water	favourable condition
mineral marsh & open water	close to favourable condition
permanent wet mire	favourable condition

Specific Assemblage Types

Specific Assemblage Types (SATs) are characterised by ecologically restricted species and are generally only expressed in lists from sites with conservation value. They have intrinsic value for nature conservation and are designed to be used in setting invertebrate conservation objectives on SSSIs (Lott, 2008).

Specific Assemblage Types identified:

heartwood decay	important assemblage
bark & sapwood decay	favourable condition
fungal fruiting bodies	
epiphyte fauna	
bare sand & chalk	favourable condition
open short sward	favourable condition
saltmarsh	important assemblage
brackish-freshwater transition marsh	
shingle banks	
riparian sand	
open water on disturbed mineral sediments	important assemblage
litter-rich fluctuating marsh	important assemblage
reedfen and pools	favourable condition
scrub edge	favourable condition
rich flower resource	favourable condition

scrub-heath & moorland	favourable condition
dung	favourable condition

17. Protected Species

Protected species have protection under national legislation such as the Wildlife and Countryside Act 1981 and European legislation such as the Habitats Directive.

Please note the following:

(1) If there is no record of a particular protected species, this does not signify 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 data relating to its presence has not been made available to us.

(2) The presence of a protected species record does not mean that the species is still present. It means that the species was recorded at that time and place. The implications of the record should be further evaluated, and a survey to establish the current status may be required.

(3) The following summary of legislation is designed purely as a basic guide, if any action is to be taken regarding any of the protected species listed, then it is imperative that the full relevant legislation be consulted.

WILDLIFE PROTECTION LEGISLATION IN ENGLAND

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

European Law

The Bern Convention on the Conservation of European Wildlife and Natural Habitats (1979) was aimed at ensuring conservation and protection of all wild plants and animals, increasing cooperation between states, and affording special protection to the most vulnerable or threatened species. It was implemented by the EC Birds Directive (Council Directive 79/409/EEC) and the EC Habitats Directive (Council Directive 92/43/EEC).

The Bonn Convention on Migratory Species of Wild Animals (1979 & 1994) requires the protection of migratory animals. It was implemented by the EC Birds Directive (Council Directive 79/409/EEC) and the EC Habitats Directive (Council Directive 92/43/EEC).

The EC Habitats Directive aims to establish a network of protected areas in order to maintain the distribution and the abundance of threatened species and habitats. A number of species are listed in the annexes.

Annex II lists animals and plants whose conservation requires the designation of Special Areas of Conservation (SACs).

Annex IV lists animals and plants in need of strict protection. For the animals, this prohibits deliberate capture, killing, disturbance (especially during breeding period), destruction or taking of eggs from wild, and destruction or deterioration of breeding sites or resting places. For the plants, this prohibits deliberate picking, collecting, uprooting, cutting, destruction, and trade in entire plants or parts, at all stages of life.

Annex V lists animals and plants for which taking in the wild may be subject to management measures.

National Law

Wildlife and Countryside Act

The Wildlife and Countryside Act 1981 (as amended) is the main source of legal protection for wildlife in England and was strengthened by the Countryside and Rights of Way Act 2000. A statutory five-yearly review of Schedules 5 and 8 (protected wild animals and plants) is undertaken by the relevant authorities. Species protection is provided under Schedules 1, 5, 6 and 8:

Schedule 1 lists bird species that are rare, endangered, declining or vulnerable. The Schedule is divided into two parts. Part I lists birds which receive special protection, these birds receive additional protection from disturbance at the nest. Part II lists birds that receive the same level of special protection, but only during the breeding season.

Schedule 5 protects animal (other than bird) species from certain actions, according to the sections of the Act under which they are listed:

- S9(1) prohibits the intentional killing, injury or taking.
- S9(2) protection is limited to possessing and controlling.
- S9(4a) prohibits the damaging, destroying or obstructing access to any place used by the animal for shelter or protection.
- S9(4b) prohibits disturbing the animal while it is occupying any structure or place which it uses for shelter or protection.
- S9(5) prohibits the selling, offering for sale, possessing or transporting for purpose of sale, or advertising for sale, any live or dead animal, or any part of, or anything derived from such an animal. Species on this Schedule do not appear on the PSI.

Schedule 6 lists animals that may not be killed by certain methods. Even humane trapping for research requires a licence.

Schedule 8 lists plant species for which it is prohibited to intentionally pick, uproot, destroy, trade in, or possess (for the purposes of trade).

Under the Wildlife and Countryside Act, all wild plants in Britain are protected from intentional uprooting by an unauthorised person. Landowners, land occupiers, persons authorised by either of these, or persons authorised in writing by the Local Authority for the area are exempt from this, except for Schedule 8 species.

Conservation Regulations

The Conservation of Habitats and Species Regulations 2010 (as amended) transpose the EC Habitats Directive into national law. In addition to enabling the designation of SACs, the regulations also provide species protection:

Schedule 2 protects the listed animals from deliberate capture, killing, disturbance or trading in.

Schedule 4 protects the listed plants from picking, collecting, uprooting, destroying or trading in.

These actions can be made lawful through the granting of licences by the appropriate authorities. Licences may be granted for a number of purposes, but only after the appropriate authority is satisfied that there are no satisfactory alternatives and that such actions will have no detrimental effect on wild the population of the species concerned.

Protection of Badgers Act

The Protection of the Badgers Act prohibits the killing, injuring or taking of badgers and damage or interference with a badger sett, unless licensed to do so by a statutory authority.

International and European Obligations

In the UK, species receiving protection under international legislation and agreements are protected through the Wildlife and Countryside Act, so are not shown separately in the BMERC notable species lists. For reference, the relevant categories are shown below.

Bern Convention on the Conservation of European Wildlife and Natural Habitats

The Bern Convention aims to ensure the conservation of wild flora and fauna species and their habitats.

- Appendix 1 (strictly protected flora) - Plants for which contracting parties will prohibit deliberate picking, collecting, cutting or uprooting.
- Appendix 2 (strictly protected fauna) - Animals for which contracting parties will prohibit deliberate capture, possession, killing, damage to or destruction of breeding or resting sites, disturbance or destruction or taking of eggs.
- Appendix 3 (protected fauna) - Animals for which contracting parties will include closed seasons and regulate their sale, keeping for sale, transport for sale or offering for sale of live and dead wild animals. (Not included in Notable Species List).

Bonn Convention on Migratory Species

The Bonn Convention aims to conserve terrestrial, marine and avian migratory species throughout their range.

- Appendix 1 (migratory species threatened with extinction) - Species for which contracting parties will strictly protect and endeavour to conserve or restore the places where they live, mitigating obstacles to migration and controlling other factors that might endanger them.
- Appendix 2 (migratory species that need or would benefit from international co-operation) - Species for which contracting parties will be encouraged to conclude global or regional agreements for the conservation and management of individual species or, more often, of a group of species. (Not included in Notable Species List).

The EC Council Directive on the Conservation of Wild Birds

The Birds Directive provides a framework for the conservation and management of all wild birds in Europe. As well as designating important sites for birds as Special Protection Areas, birds are generally protected from deliberate killing or capture and destruction of or damage to their nests or eggs, and deliberate disturbance. Allowances are made for game birds.

Protected Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Bern Convention: Appendix 3, 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	Grays RM17	TQ6178	1	2006
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Bern Convention: Appendix 3, 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	Titan Works Quarry (centroid)	TQ612786	1	2014
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Bern Convention: Appendix 3, 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	32 Galsworthy Road,tilbury,essex	TQ6576	1	2010
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Bern Convention: Appendix 3, 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	Titan Works, Hogg Lane, Grays	TQ612784	1	2014

Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	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 9.4a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ635777	TQ635777	4	1998
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	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 9.4a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ629773	TQ629773	5	2009

Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	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 9.4a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ631794	TQ631794	2	2006
Essex Field Club	<i>Balaenoptera physalus</i>	marine mammal	Fin Whale	Bern Convention: Appendix 2, Bern Convention: Appendix 3, EC Cites: Annex A, Global Red list status: Endangered, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4A*, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ600770	TQ600770	2	1949
EFC/EARG	<i>Bufo bufo</i>	amphibian	Common Toad	Bern Convention: Appendix 3, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Chalk Pit	TQ610785	1	2002

EFC/EARG	<i>Bufo bufo</i>	amphibian	Common Toad	Bern Convention: Appendix 3, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, 32 Lodge Lane (garden)	TQ624793	2	2010
EFC/EARG	<i>Bufo bufo</i>	amphibian	Common Toad	Bern Convention: Appendix 3, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Bat Group	<i>Chiroptera sp.</i>	terrestrial mammal	a bat species	Convention on Migratory Species: Appendix 2, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, St Peter and St Paul Church	TQ613777	1	2012

Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ624783	TQ624783	7	1991
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Bern Convention: Appendix 3	Grays, 32 Lodge Lane (garden)	TQ624793	2	2005
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Bern Convention: Appendix 3	TQ602795	TQ602795	7	2007
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Bern Convention: Appendix 3	TQ608785	TQ608785	8	1997
Essex Field Club	<i>Gnaphalium luteoalbum</i>	flowering plant	Jersey Cudweed	Wildlife and Countryside Act 1981: Schedule 8	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Hyacinthoides non-scripta</i>	flowering plant	Bluebell	Wildlife and Countryside Act 1981: Schedule 8	Grays, Sockett's Heath	TQ6279	1	2013
Essex Field Club	<i>Hyacinthoides non-scripta</i>	flowering plant	Bluebell	Wildlife and Countryside Act 1981: Schedule 8	Thurrock: Chafford Hundred	TQ6079	1	2015
EFC/EARG	<i>Lacerta vivipara</i>	reptile	Viviparous Lizard	Bern Convention: Appendix 3, 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	Chafford Hundred (pinpoint)	TQ600786	1	2012

EFC/EARG	<i>Lacerta vivipara</i>	reptile	Viviparous Lizard	Bern Convention: Appendix 3, 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	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
EFC/EARG	<i>Lacerta vivipara</i>	reptile	Viviparous Lizard	Bern Convention: Appendix 3, 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	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
EFC/EARG	<i>Lacerta vivipara</i>	reptile	Viviparous Lizard	Bern Convention: Appendix 3, 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	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Bern Convention: Appendix 3, Habitats Directive: Annex 2 - non-priority species, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, Lodge Lane	TQ624792	1	2012
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Bern Convention: Appendix 3, Habitats Directive: Annex 2 - non-priority species, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Thurrock, street	TQ623786	1	2002

Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Bern Convention: Appendix 3, Habitats Directive: Annex 2 - non-priority species, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Wouldhams Quarry	TQ605790	1	1985
EFC Schemes	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Bern Convention: Appendix 3, Habitats Directive: Annex 2 - non-priority species, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Hangman's Wood	TQ630793	1	2015
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Bern Convention: Appendix 3, Habitats Directive: Annex 2 - non-priority species, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, 32 Lodge Lane (garden)	TQ624793	2	2009
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Bern Convention: Appendix 3, Habitats Directive: Annex 2 - non-priority species, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ611786	TQ611786	5	2013
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	Grays Thurrock, Bradleigh Avenue	TQ619784	1	2015
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ631782	TQ631782	6	1996

Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ608785	TQ608785	8	1997
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ638798	TQ638798	5	2011
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ611789	TQ611789	7	1997
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	Grays, Devonshire Road	TQ600781	1	2014
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ633772	TQ633772	4	1997
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ609786	TQ609786	8	1999
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ612795	TQ612795	7	2008
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TQ633782	TQ633782	5	2009

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ631793	TQ631793	6	2004
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Chalk Quarries (Grays Bunker)	TQ608787	3	2014

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ608788	TQ608788	8	2011
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Deneholes SSSI	TQ631793	2	2014

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ630793	TQ630793	8	2013
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ601781	TQ601781	8	1986

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ631794	TQ631794	13	2013
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Chalk Quarries (Grays Tunnel)	TQ611787	8	2014

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ610788	TQ610788	7	2011
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Tunnel	TQ609788	1	2015

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ630794	TQ630794	5	2006
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Chafford Tunnel	TQ600786	2	2015

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ608787	TQ608787	15	2014
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Deneholes	TQ631793	1	2008

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ611787	TQ611787	35	2014
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, Deneholes, Hangmans Wood	TQ631793	2	2007

Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ630793	TQ630793	8	2013
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Chalk Quarries (Grays Tunnel)	TQ611787	7	2014

Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Tunnel	TQ609788	1	2015
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ608787	TQ608787	5	2011

Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ631794	TQ631794	13	2013
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ611787	TQ611787	30	2014

Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Chafford Tunnel	TQ600786	1	2015
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ630794	TQ630794	5	2006

Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Deneholes	TQ631793	1	2008
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, Deneholes, Hangmans Wood	TQ631793	3	2007

Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ608788	TQ608788	16	2011
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ611789	TQ611789	5	2013

Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Chalk Quarries (Grays Bunker)	TQ608787	1	2011
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ601781	TQ601781	8	1987

Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ631793	TQ631793	6	2004
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Deneholes SSSI	TQ631793	2	2014

Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ610788	TQ610788	7	2011
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Essex Bat Group	<i>Myotis sp.</i>	terrestrial mammal	Myotis bat sp.	Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Chalk Quarries (Grays Bunker)	TQ608787	1	2013
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Essex Bat Group	<i>Myotis sp.</i>	terrestrial mammal	Myotis bat sp.	Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Chafford Tunnel	TQ600786	2	2015
Essex Field Club	<i>Neottia nidus-avis</i>	flowering plant	Bird's-nest Orchid	EC Cites: Annex B	Thurrock, Grays, Disused chalk quarry	TQ6078	1	2011
Essex Field Club	<i>Neottia nidus-avis</i>	flowering plant	Bird's-nest Orchid	EC Cites: Annex B	Grays Chalk Quarry and sites nearby	TQ6079	1	2010

Essex Field Club	<i>Nyctalus leisleri</i>	terrestrial mammal	Leisler's Bat / Lesser Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ611789	TQ611789	5	2013
Essex Field Club	<i>Nyctalus leisleri</i>	terrestrial mammal	Leisler's Bat / Lesser Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ620780	TQ620780	7	1993

Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ603783	TQ603783	8	2004
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ647763	TQ647763	2	1995

Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Ophrys apifera</i>	flowering plant	Bee Orchid	EC Cites: Annex B	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Ophrys apifera</i>	flowering plant	Bee Orchid	EC Cites: Annex B	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Ophrys apifera</i>	flowering plant	Bee Orchid	EC Cites: Annex B	Thurrock, Grays, Chafford Gorges	TQ6079	1	2011

Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: ASCOBANS, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, OSPAR: OSPAR, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ612774	TQ612774	6	2001
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: ASCOBANS, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, OSPAR: OSPAR, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ608774	TQ608774	7	2007

Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: ASCOBANS, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, OSPAR: OSPAR, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ645755	TQ645755	2	2005
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: ASCOBANS, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, OSPAR: OSPAR, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ612773	TQ612773	6	2007

Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: ASCOBANS, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, OSPAR: OSPAR, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ606772	TQ606772	7	2011
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, 15 Manor Way, RM17 6RN	TQ619773	1	2007

Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ603783	TQ603783	8	2004
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Tilbury	TQ647767	1	2010

Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ610788	TQ610788	7	2010
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Chafford Tunnel	TQ600786	2	2015

Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ648764	TQ648764	2	1997

Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2	Grays	TQ619773	1	2007
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2	Grays, 14 Moss Bank, Meesons Lane	TQ605784	1	2006
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2	Grays	TQ605785	3	2006

Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ618793	TQ618793	7	1991
Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ623785	TQ623785	7	1985

Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ607782	TQ607782	8	1994
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, Deneholes, Hangmans Wood	TQ631793	1	2007

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ631794	TQ631794	6	2006
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Deneholes SSSI	TQ631793	2	2014

Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Tunnel	TQ609788	1	2015
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TQ630794	TQ630794	5	2006

Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation (Nature Habitats, etc.) Regulations (NI) 1995: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays Deneholes	TQ631793	2	2009
EFC/EARG	<i>Rana temporaria</i>	amphibian	Common Frog	Bern Convention: Appendix 3, Habitats Directive: Annex 5, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Grays, 32 Lodge Lane (garden)	TQ624793	7	2013
Essex Field Club	<i>Ruscus aculeatus</i>	flowering plant	Butcher's-broom	Habitats Directive: Annex 5	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Satyrrium w-album</i>	insect - butterfly	White-letter Hairstreak	Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	2000
Essex Field Club	<i>Sorex araneus</i>	terrestrial mammal	Common Shrew	Bern Convention: Appendix 3	TQ611787	TQ611787	7	1998
EFC/EARG	<i>Triturus vulgaris</i>	amphibian	Smooth Newt	Bern Convention: Appendix 3, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	Titan Works, Hogg Lane, Grays	TQ612784	1	2014

18. UK Biodiversity Action Plan Priority Section 41 Species

Biodiversity, or biological diversity, is the whole variety of life on Earth. The Convention on Biological Diversity (CBD) came about as a result of the 1992 Earth Summit. As one of 168 countries to sign up to the CBD, the UK was required to develop a national strategy for the conservation of biodiversity; the UK Biodiversity Action Plan (UKBAP) was born.

The UKBAP is the result of contributions involving a wide range of people and organisations, enabling the identification of species and habitats that are listed as priorities for conservation action. A 2007 review of the UKBAP has resulted in 1149 species and 65 habitats being listed as conservation priorities. For more information see www.ukbap.org.uk.

In addition to the national priorities and targets, action is also being taken at local level. The Essex Biodiversity Project is responsible for implementing the Essex Biodiversity Action Plan, which has 28 priority species and 15 priority habitats currently listed. For more information see www.essexbiodiversity.org.uk.

The UK BAP

(from Explanatory Note by Defra and Natural England on Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 - Habitats and Species of Principal Importance in England)

The England Biodiversity List has been developed to meet the requirements of Section 41 of the Natural Environment and Rural Communities Act (2006). This legislation requires the Secretary of State to publish a list of species of flora and fauna and habitats considered to be of principal importance for the purpose of conserving biodiversity.

The S41 list 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 Natural Environment and Rural Communities Act 2006 'to have regard' to the conservation of biodiversity in England, when carrying out their normal functions. In particular:

- Regional Planning Bodies and Local Planning Authorities will use it to identify the species and habitats that should be afforded priority when applying the requirements of National Planning Policy framework (NPPF) and PPS9 Circular to maintain, restore and enhance species and habitats.
- Local Planning Authorities will use it to identify the species and habitats that require specific consideration in dealing with planning and development control, recognising that under NPPF and PPS9 Circular the aim of planning decisions should be to avoid harm to all biodiversity.
- All Public Bodies will use it to identify species or habitats that should be given priority when implementing the NERC Section 40 duty.

Habitats of Principal Importance

Fifty-six habitats of principal importance are included on the S41 list. These are all the habitats in England that have been identified as requiring action in the UK Biodiversity Action Plan (UK BAP). They range from habitats such as upland hay meadows to lowland mixed deciduous woodland and from freshwater habitats such as ponds to marine habitats such as subtidal sands and gravels.

Species of Principal Importance

There are 943 species of principal importance included on the S41 list. These are the species found

in England which have been identified as requiring action under the UK BAP. In addition, the Hen Harrier has also been included on the List because without continued conservation action it is unlikely that the Hen Harrier population will increase from its current very low levels in England.

Relationship with the UK Biodiversity List of Species and Habitats

The UK BAP list of priority species and habitats is an important reference source and will be the focus for conservation action across the UK over the next decade. It has been used to draw up the species and habitats of principal importance in England under S41 of the NERC Act.

The revised UK BAP list of priority species and habitats can be downloaded from the UK Biodiversity Website: <http://www.ukbap.org.uk/NewPriorityList.aspx>

Relationship with the biodiversity duty under Section 40 of the NERC Act

There is a general biodiversity duty in the NERC Act (Section 40) which requires every public body in the exercising of its functions to 'have regard, so far as is consistent with the proper exercise of those functions, to the purpose of conserving biodiversity'.

There is no direct relationship between the Section 41 duty on the Secretary of State to publish the list and promote the taking of steps to conserve the habitats and species on it, and the Section 40 duty on public bodies to have regard to the purpose of conserving biodiversity. Importantly:

(a) Biodiversity, as covered by the Section 40 duty includes all biodiversity and not just the habitats and species of principal importance. However, there is an expectation that public bodies would refer to the S41 list when complying with the section 40 duty.

(b) The duty on the Secretary of State to promote the taking of steps by others is not restricted to public bodies.

Defra guidance for local authorities and public bodies on implementing the biodiversity duty in the NERC Act draws attention to the S41 list, emphasising that local authorities and public bodies have a role to play in ensuring the protection of these species and habitats. Copies of the guidance can be downloaded from:

<http://archive.defra.gov.uk/environment/biodiversity/documents/pa-guid-english.pdf>

Essex Biodiversity Action Plan

The Essex Biodiversity Project was set up in 1999 for the purpose of implementing the Essex BAP, one of the 162 local BAPs in the UK. These were formed following the UK's signature to the Convention on Biological Diversity (1992) and the subsequent need for action to conserve biodiversity at a local level.

The overall aim of the Essex Biodiversity Project is to protect, conserve and enhance the variety of wildlife species and habitats in Essex through the successful implementation of the Essex Biodiversity Action Plan.

UK BAP Priority, Section 41 and Essex BAP Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays RM17 6BY (garden)	TQ618777	1	2012
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	2	2000
Essex Field Club	<i>Acronicta rumicis</i>	insect - moth	Knot Grass	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Acronicta rumicis</i>	insect - moth	Knot Grass	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	1	1990
Essex Field Club	<i>Agrochola litura</i>	insect - moth	Brown-spot Pinion	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Agrochola litura</i>	insect - moth	Brown-spot Pinion	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980

Essex Field Club	<i>Agrochola lychnidis</i>	insect - moth	Beaded Chestnut	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Agrochola lychnidis</i>	insect - moth	Beaded Chestnut	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Aleucis distinctata</i>	insect - moth	Sloe Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Allophyes oxyacanthae</i>	insect - moth	Green-brindled Crescent	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Allophyes oxyacanthae</i>	insect - moth	Green-brindled Crescent	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Allophyes oxyacanthae</i>	insect - moth	Green-brindled Crescent	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980

Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Rushdon Close	TQ6179	1	2000
Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays RM17	TQ6178	1	2006
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	32 Galsworthy Road,tilbury,essex	TQ6576	1	2010
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Titan Works Quarry (centroid)	TQ612786	1	2014
EFC/EARG	<i>Anguis fragilis</i>	reptile	Slow-worm	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Apamea anceps</i>	insect - moth	Large Nutmeg	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Apamea remissa</i>	insect - moth	Dusky Brocade	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Aporophyla lutulenta</i>	insect - moth	Deep-brown Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Aporophyla lutulenta</i>	insect - moth	Deep-brown Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Aporophyla lutulenta</i>	insect - moth	Deep-brown Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ631794	TQ631794	2	2006
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ635777	TQ635777	4	1998
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ629773	TQ629773	5	2009

Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Ferry Fields, Tilbury	TQ6475	5	1994
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Ferry Fields	TQ645755	1	1997
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Ferry Fields, Tilbury	TQ645755	1	1997
Essex Field Club	<i>Balaenoptera physalus</i>	marine mammal	Fin Whale	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TQ600770	TQ600770	2	1949
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Thurrock, 9 Kent Road	TQ622779	1	1997
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Ferry Fields, Tilbury	TQ645755	1	1997

Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	7	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, 32 Lodge Lane (garden)	TQ624793	6	2009
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Ferry Fields, Tilbury	TQ6475	2	1994

Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Lt. Thurrock Marshes	TQ625773	1	1995
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit, lower pit, Atypus area (grassland)	TQ608789	1	2008
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	3	1998

Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Thurrock College grounds	TQ636789	1	2012
Essex Field Club	<i>Bombus ruderatus</i>	insect - hymenopteran	Large Garden Bumble Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, 32 Lodge Lane (garden)	TQ624793	1	2015
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Brachylomia viminalis</i>	insect - moth	Minor Shoulder-knot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
EFC/EARG	<i>Bufo bufo</i>	amphibian	Common Toad	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Titan Works Quarry (centroid)	TQ612786	1	2014

EFC/EARG	<i>Bufo bufo</i>	amphibian	Common Toad	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ610785	1	2002
EFC/EARG	<i>Bufo bufo</i>	amphibian	Common Toad	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, 32 Lodge Lane (garden)	TQ624793	2	2010
Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	1	1990
Essex Field Club	<i>Centromerus serratus</i>	spider (Araneae)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ610790	2	1986
Essex Field Club	<i>Centromerus serratus</i>	spider (Araneae)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ610791	4	1986
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	1	1998

Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, 32 Lodge Lane (garden)	TQ624793	10	2008
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Chesias legatella</i>	insect - moth	Streak	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Chesias legatella</i>	insect - moth	Streak	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Chesias rufata</i>	insect - moth	Broom-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Gorge EWT	TQ605789	1	2013

Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Gorge EWT: upper scrape	TQ606789	1	2013
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	2	2000
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ611787	6	1993
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	3	1991

Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays: Wasteground near Railway	TQ623774	1	1998
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ6178	5	1992
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ67E	2	1990
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ609788	4	1992
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	1991
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chadwell St.Mary	TQ67P	1	1996
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Colletes halophilus</i>	insect - hymenopteran	a mining bee	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Diarsia rubi</i>	insect - moth	Small Square-spot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	1	1999
Essex Field Club	<i>Diarsia rubi</i>	insect - moth	Small Square-spot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ609789	1	1987
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry	TQ609789	1	1987
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	4	2014

Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit, SW edge (grassland)	TQ611786	1	2008
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1997
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1987
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Ecliptopera silaceata</i>	insect - moth	Small Phoenix	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Ennomos fuscantaria</i>	insect - moth	Dusky Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TQ608785	TQ608785	8	1997
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, 32 Lodge Lane (garden)	TQ624793	2	2005
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TQ602795	TQ602795	7	2007
Essex Field Club	<i>Erynnis tages</i>	insect - butterfly	Dingy Skipper	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Eugnorisma glareosa</i>	insect - moth	Autumnal Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Eugnorisma glareosa</i>	insect - moth	Autumnal Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Eulithis mellinata</i>	insect - moth	Spinach	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Euxoa nigricans</i>	insect - moth	Garden Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Euxoa nigricans</i>	insect - moth	Garden Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	1	1990
Essex Field Club	<i>Heliophobus reticulata</i>	insect - moth	Bordered Gothic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, High View Ave.	TQ6278	1	1987
Essex Field Club	<i>Hemistola chrysoprasaria</i>	insect - moth	Small Emerald	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Hemistola chrysoprasaria</i>	insect - moth	Small Emerald	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Hepialus humuli</i>	insect - moth	Ghost Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ608791	1	1999
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ606793	1	1999

Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	2000
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ608788	1	2001
Essex Field Club	<i>Hoplodrina blanda</i>	insect - moth	Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Hoplodrina blanda</i>	insect - moth	Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Cemetery And Environs	TQ67J	1	1998
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ609788	2	1992
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	2	2000
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ611787	3	1998
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ67E	2	1990
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Little Thurrock: Garden	TQ6379	1	1991
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	2	1991
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ6178	1	1992
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Grays, 32 Lodge Lane (garden)	TQ624793	2	2009
EFC Schemes	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Hangman's Wood	TQ630793	1	2015

Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Grays, Lodge Lane	TQ624792	1	2012
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Grays Thurrock, street	TQ623786	1	2002
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Lycia hirtaria</i>	insect - moth	Brindled Beauty	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Malacosoma neustria</i>	insect - moth	Lackey	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tilbury	TQ67	1	1979
Essex Field Club	<i>Malacosoma neustria</i>	insect - moth	Lackey	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Melanchra persicariae</i>	insect - moth	Dot Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Melanchra persicariae</i>	insect - moth	Dot Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	1	1990
Essex Field Club	<i>Melanthia procellata</i>	insect - moth	Pretty Chalk Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Nemophora fasciella</i>	insect - moth		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TQ603783	TQ603783	8	2004
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TQ647763	TQ647763	2	1995
Essex Field Club	<i>Odynerus melanocephalus</i>	insect - hymenopteran	Black Headed Mason Wasp	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Little Thurrock Marshes (grassland)	TQ629773	1	2011

Essex Field Club	<i>Ophonus puncticollis</i>	insect - beetle (Coleoptera)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ67	1	1920
Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Thurrock, Grays, Chafford Gorges	TQ6079	1	2011
Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry and sites nearby	TQ6079	1	2010
Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Orthosia gracilis</i>	insect - moth	Powdered Quaker	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Pelurga comitata</i>	insect - moth	Dark Spinach	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Pelurga comitata</i>	insect - moth	Dark Spinach	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ612773	TQ612773	6	2007
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ606772	TQ606772	7	2011
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ612774	TQ612774	6	2001
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ608774	TQ608774	7	2007
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TQ645755	TQ645755	2	2005
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TQ648764	TQ648764	2	1997
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Tilbury	TQ647767	1	2010
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TQ603783	TQ603783	8	2004

Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Chafford Tunnel	TQ600786	2	2015
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TQ610788	TQ610788	7	2010
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Grays, 15 Manor Way, RM17 6RN	TQ619773	1	2007
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ619773	1	2007
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, 14 Moss Bank, Meesons Lane	TQ605784	1	2006
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ605785	3	2006
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TQ630794	TQ630794	5	2006
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Deneholes SSSI	TQ631793	2	2014
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TQ631794	TQ631794	6	2006

Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Tunnel	TQ609788	1	2015
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Deneholes	TQ631793	2	2009
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Deneholes, Hangmans Wood	TQ631793	1	2007
Essex Field Club	<i>Pyrgus malvae</i>	insect - butterfly	Grizzled Skipper	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	1	1991
Essex Field Club	<i>Rhizedra lutosa</i>	insect - moth	Large Wainscot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Saaristoa firma</i>	spider (Araneae)		Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6078	4	1986
Essex Field Club	<i>Satyrrium w-album</i>	insect - butterfly	White-letter Hairstreak	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	2000
Essex Field Club	<i>Scopula marginepunctata</i>	insect - moth	Mullein Wave	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Rushdon Close	TQ6179	1	2000

Essex Field Club	<i>Scopula marginepunctata</i>	insect - moth	Mullein Wave	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Scopula marginepunctata</i>	insect - moth	Mullein Wave	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Scotopteryx bipunctaria</i>	insect - moth	Chalk Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6078	1	2011
Essex Field Club	<i>Scotopteryx bipunctaria</i>	insect - moth	Chalk Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	2	1993
Essex Field Club	<i>Spilosoma lubricipeda</i>	insect - moth	White Ermine	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Spilosoma luteum</i>	insect - moth	Buff Ermine	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Tholera cespitis</i>	insect - moth	Hedge Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Tholera decimalis</i>	insect - moth	Feathered Gothic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Gorge EWT	TQ604789	1	2011
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995

Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	2	2000
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chadwell St Mary (garden)	TQ645795	1	2015
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Orsett Heath	TQ6379	1	1990
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Gorge EWT	TQ602789	1	2011
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Chafford Gorges EWT: Devonshire Road	TQ601789	1	2011
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tilbury	TQ67	1	1980
Essex Field Club	<i>Watsonalla binaria</i>	insect - moth	Oak Hook-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays, Boscombe Ave	TQ6278	1	2000

Essex Field Club	<i>Watsonalla binaria</i>	insect - moth	Oak Hook-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Watsonalla binaria</i>	insect - moth	Oak Hook-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ6079	2	2000
Essex Field Club	<i>Xanthia gilvago</i>	insect - moth	Dusky-lemon Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Xanthia icteritia</i>	insect - moth	Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Xanthia icteritia</i>	insect - moth	Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays	TQ6177	1	1980
Essex Field Club	<i>Xanthia icteritia</i>	insect - moth	Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Xanthorhoe ferrugata</i>	insect - moth	Dark-barred Twin-spot Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Grays Chalk Pit	TQ607788	1	1986

19. Global & National Red List and Scarce Designations

Red Data Book Species

National Red Data Book species are those falling within the Status categories defined in the British Red Data Books (Bratton, 1991; Shirt, 1987). These are internationally recognised species listed in the various Red Data Books published by, or under the auspices of, the International Union for the Conservation of Nature (IUCN). Species included may not be informally removed or transferred between categories. Nationally Endangered (RDB1) taxa are those considered to be in danger of extinction and whose survival is unlikely if the causal factors continue operating. These include species known from only a single locality since 1970, species restricted to habitats which are especially vulnerable, species which have shown a rapid and continuous decline in the last twenty years and are now estimated to exist in five or fewer ten km squares and species believed extinct but which would need protection if re-discovered. Nationally Vulnerable (RDB2) taxa are those that are believed likely to move into the Endangered category in the near future if the causal factors causing their decline continue operating. This includes species declining throughout their range, species in vulnerable habitats and species whose populations are low. Nationally Rare (RDB3) taxa are those with small populations that are not at present Endangered or Vulnerable, but are at risk. This includes species known or estimated to exist in only 15 or fewer post 1970 ten km squares. Insufficiently Known (RDBK) taxa are those suspected of falling into categories 1-3, but about which there is insufficient information to be certain.

Some families in Diptera (flies) have recently had new status reviews published (Falk, S.J. & Crossley, R., 2005; Falk, S.J. & Chandler, P., 2005). A brief outline of the revised IUCN criteria and their application, as summarised in these reviews, is given below.

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 to survive only in cultivation, in captivity or as a naturalised population (or populations) well outside the past range. A taxon is presumed extinct in the wild when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual) throughout its range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon's life cycle and life form.

CRITICALLY ENDANGERED (CR)

A taxon is Critically Endangered when it is facing an extremely high risk of extinction in the wild in the immediate future, as detailed by any of the criteria A to E. *

ENDANGERED (EN)

A taxon is Endangered when it is not Critically Endangered but is facing a very high risk of extinction in the wild in the near future, as defined by any of the criteria A to E. *

VULNERABLE (VU)

A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium term future, as defined by any of the criteria A to D. *

LOWER RISK (LR)

A taxon is Lower Risk when it has been evaluated but does not satisfy the criteria for any of the categories Critically Endangered, Endangered or Vulnerable. Taxa included in the Lower Risk category can be separated into three sub-categories:

Conservation Dependent (cd)

Taxa which are the focus of a continuing taxon-specific or habitat-specific conservation programme targeted towards the taxon in question, the cessation of which would result in the taxon qualifying for one of the threatened categories above within a period of five years.

Near Threatened (nt)

Taxa which do not qualify for Lower Risk (Conservation Dependent), but which are close to qualifying for Vulnerable.

Least Concern (lc)

Taxa which do not qualify for Lower Risk (Conservation Dependent) or Lower Risk (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. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution are lacking. Data Deficient is therefore not a category of threat or Lower Risk. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that a threatened category is appropriate.

NOT EVALUATED (NE)

A taxon is Not Evaluated when it has not been assessed against the criteria.

Nationally Scarce species

The concept of Nationally Scarce (Notable) species was introduced by Ball (1986). They are species which are estimated to occur within the range of 16 to 100 ten-kilometre squares of the British National Grid system since 1970 and are subdivided as follows: Notable/Na refers to species estimated to occur within the range of 16 to 30 10-kilometre squares of the National Grid System. Notable/Nb refers to species estimated to occur within the range 31 to 100 10-kilometre squares of the National Grid System. Diptera (flies) and some Coleoptera (beetles) are not separated. Categorisations have been revised for various taxonomic groups including Araneae (spiders) in Merrett (1990), aculeate Hymenoptera in Falk (1991a), Coleoptera in Hyman & Parsons (1992, 1994), Diptera in Falk (1991b), Hemiptera in Kirby (1992) and Pyralidae (Lepidoptera) in Parsons (1993).

The concept of nationally scarce (Notable) species is unaltered in the new status reviews (e.g. Falk, S.J. & Crossley, R., 2005; Falk, S.J. & Chandler, P., 2005), but the status is now known as Scarce.

In a new national spider review a 'Watching Brief' category is included for some species where the data available suggest a greater level of threat, but there is uncertainty about the evidence of decline. There are also a number of much more widespread and common species where the data suggest strong declines may be occurring. These have placed these in the 'Watching Brief' category outside of the national status review, but these species should be specifically monitored in the future to understand their status more satisfactorily.

National Status Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
Essex Field Club	<i>Acanthiophilus helianthi</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Achaearanea simulans</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Achaearanea simulans</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Acidota cruentata</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Acompsia schmidtellus</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Agabus conspersus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B, Rare and scarce species (not based on IUCN criteria): Nationally scarce	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Agabus conspersus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B, Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Agathomyia collini</i>	insect - true fly (Diptera)		Red Listing based on 1994 IUCN guidelines: Vulnerable	Grays Chalk Pit	TQ6078	1	1977
Essex Field Club	<i>Agelastica alni</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Grays-Rainham dist.' ?TQ67	TQ67	1	1868

Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ610790	6	1987
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ602792	2	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ609789	3	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606794	4	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit (CARR/SWAMP)	TQ609790	2	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ603792	2	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ609790	2	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Quarry	TQ609789	2	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ607790	2	1986
Essex Field Club	<i>Agroeca inopina</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606789	3	1987
Essex Field Club	<i>Agyneta subtilis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: (Watching brief)	Grays Chalk Pit	TQ610790	3	1985

Essex Field Club	<i>Alaobia scapularis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Alaobia scapularis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Allodia silvatica</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally scarce	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Aloina ambigua</i>	moss	Tall Aloe-moss	Rare and scarce species (not based on IUCN criteria): Nationally scarce	South Stifford, old chalk pit east of Clockhouse Lane	TQ6079	1	1992
Essex Field Club	<i>Althaea officinalis</i>	flowering plant	Marsh-mallow	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Andrena alfenella</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Andrena alfenella</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Andrena alfenella</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Andrena falsifica</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Andrena falsifica</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1996
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Tilbury Marshes	TQ6377	1	2011

Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays, 32 Lodge Lane (garden)	TQ624793	5	2015
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Belmont Road allotment site	TQ605780	2	2003
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays, Danehole roundabout car park (hedge)	TQ627792	1	2002
Essex Field Club	<i>Andrena fulvago</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays, 32 Lodge Lane (garden)	TQ624793	8	2008
Essex Field Club	<i>Andrena humilis</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Andrena humilis</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Andrena humilis</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	The Sand Martin pub cliff	TQ607792	2	2006
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	6	2014
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	2	2008
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008

Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Thurrock, 9 Kent Road	TQ622779	1	1985
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	2	2009
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6079	1	1998
Essex Field Club	<i>Andrena tibialis</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays, 32 Lodge Lane (garden)	TQ624793	8	2012
Essex Field Club	<i>Andrena trimmerana</i>	insect - hymenopteran	Trimmer's Mining Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Andrena trimmerana</i>	insect - hymenopteran	Trimmer's Mining Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	2	1995
Essex Field Club	<i>Andrena trimmerana</i>	insect - hymenopteran	Trimmer's Mining Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Anelosimus aulicus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Anelosimus aulicus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Anthophora quadrimaculata</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Anthophora quadrimaculata</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Thurrock, 9 Kent Road	TQ622779	1	1997
Essex Field Club	<i>Anthophora quadrimaculata</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	2	2013
Essex Field Club	<i>Aphodius consputus</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Arachnospila minutula</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Arachnospila minutula</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Arachnospila minutula</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995

Essex Field Club	<i>Araeoncus humilis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: (Watching brief)	Wouldhams Quarry	TQ606789	2	1986
Essex Field Club	<i>Araneus triguttatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ6078	4	1986
Essex Field Club	<i>Araneus triguttatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Quarry	TQ609789	1	1985
Essex Field Club	<i>Araneus triguttatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ609789	1	1985
Essex Field Club	<i>Araneus triguttatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ610789	2	1985
Essex Field Club	<i>Argenna subnigra</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Argenna subnigra</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606794	2	1986
Essex Field Club	<i>Argenna subnigra</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ610790	2	1985
Essex Field Club	<i>Argenna subnigra</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606789	2	1986
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays, near Wharf Public house	TQ6077	1	2004

Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chadwell St. Mary	TQ649783	1	1999
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit	TQ608792	2	1998
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Belmont Road allotment site	TQ605780	1	2003
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays, 32 Lodge Lane (garden)	TQ624793	2	2004
Essex Field Club	<i>Argiope bruennichi</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chadwell St Mary	TQ649783	1	1999
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Ferry Fields, Tilbury	TQ6475	5	1994
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Ferry Fields	TQ645755	1	1997
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Ferry Fields, Tilbury	TQ645755	1	1997
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010

Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Athous campyloides</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Atypus affinis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B (Watching brief)	Grays Chalk Quarry	TQ609789	4	1986
Essex Field Club	<i>Atypus affinis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B (Watching brief)	Grays Chalk Pit	TQ609789	2	1986
Essex Field Club	<i>Aulogastromyia anisodactyla</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Clockhouse Clifftop	TQ601791	1	2006

Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge (LG)	TQ600787	4	2005
Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays, 32 Lodge Lane (house)	TQ624793	1	2004
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Quarry	TQ6078	2	2008
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ6079	2	1986
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008

Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ606790	3	1984
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays, 32 Lodge Lane (garden)	TQ624793	4	2011
Essex Field Club	<i>Ballus chalybeius</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ610790	2	1985
Essex Field Club	<i>Bathysolen nubilus</i>	insect - true bug (Hemiptera)	Cryptic Leatherbug	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Bembidion obliquum</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Beris fuscipes</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays, 32 Lodge Lane (house)	TQ624793	1	2010
Essex Field Club	<i>Bianor aurocinctus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Bianor aurocinctus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008

Essex Field Club	<i>Bianor aurocinctus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2008
Essex Field Club	<i>Bianor aurocinctus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606790	2	1986
Essex Field Club	<i>Blaesoxipha plumicornis</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Bombus ruderatus</i>	insect - hymenopteran	Large Garden Bumble Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	1	2015
Essex Field Club	<i>Bombus rupestris</i>	insect - hymenopteran	a cuckoo bumblebee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Brachysomus echinatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6078	1	1985

Essex Field Club	<i>Bruchus atomarius</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Bryotropha basaltinella</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ607788	2	1984
Essex Field Club	<i>Buxus sempervirens</i>	flowering plant	Box	Rare and scarce species (not based on IUCN criteria): Nationally rare, Red listing based on 2001 IUCN guidelines: Data Deficient	Grays, east of Rectory Road	TQ6278	1	2013
Essex Field Club	<i>Calathus ambiguus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Calophasia lunula</i>	insect - moth	Toadflax Brocade	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays RM17 6EY (garden)	TQ627779	1	2012
Essex Field Club	<i>Calophasia lunula</i>	insect - moth	Toadflax Brocade	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays RM17 6BY (garden)	TQ618777	5	2013
Essex Field Club	<i>Calosirus terminatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Catapion pubescens</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Catapion pubescens</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Centromerus serratus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Red Listing based on 2001 IUCN guidelines: Endangered	Grays Chalk Pit	TQ610790	2	1986

Essex Field Club	<i>Centromerus serratus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Red Listing based on 2001 IUCN guidelines: Endangered	Grays Chalk Pit	TQ610791	4	1986
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2014
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	7	2014
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit	TQ6079	1	1994
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	West Tilbury, Broom Hill	TQ6277	1	2010
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1996
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	2	2008
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Clockhouse Clifftop	TQ601791	1	2006
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Town Wharf, Grays	TQ614773	1	2003

Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit	TQ6079	1	1998
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays, 32 Lodge Lane (garden)	TQ624793	10	2008
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Ceutorhynchus resedae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays	TQ67	1	1956
Essex Field Club	<i>Cheilosia barbata</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry Nature Reserve	TQ6078	3	1987
Essex Field Club	<i>Cheilosia barbata</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry Nature Reserve	TQ6079	1	1993
Essex Field Club	<i>Cheilosia barbata</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ607788	2	1986
Essex Field Club	<i>Cheilosia soror</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Cheilosia velutina</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Cheilosia velutina</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Ferry Fields, Tilbury	TQ6475	2	1994

Essex Field Club	<i>Cheilosia velutina</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ607788	2	1985
Essex Field Club	<i>Cheiracanthium virescens</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ604791	1	1986
Essex Field Club	<i>Cheiracanthium virescens</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry (MINERAL EXTR.)	TQ604791	1	1986
Essex Field Club	<i>Cheiracanthium virescens</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Thurrock, 9 Kent Road	TQ622779	1	1989
Essex Field Club	<i>Cheiracanthium virescens</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606789	2	1986
Essex Field Club	<i>Cheiracanthium virescens</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Thurrock, 9 Kent Road	TQ622779	1	1989
Essex Field Club	<i>Cheiracanthium virescens</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606790	3	1986
Essex Field Club	<i>Chetostoma curvinerve</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered, Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Chorisops nagatomii</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Chorisops nagatomii</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Chorisops nagatomii</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014

Essex Field Club	<i>Chrysis schencki</i>	insect - hymenopteran	a cuckoo wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Chrysolina marginata</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Tilbury Power Station	TQ67	1	2007
Essex Field Club	<i>Chrysolina violacea</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Cicurina cicur</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ609790	3	1986
Essex Field Club	<i>Cicurina cicur</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit (CARR/SWAMP)	TQ609790	2	1987
Essex Field Club	<i>Cicurina cicur</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ6079	2	1999
Essex Field Club	<i>Cicurina cicur</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606790	4	1986
Essex Field Club	<i>Cistogaster globosa</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Cleptes semiauratus</i>	insect - hymenopteran	a cuckoo wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Thurrock, Chadwell St Mary, churchyard	TQ6478	1	1983

Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Thurrock, Grays, Disused chalk quarry	TQ6078	4	2007
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Hutts Hill, roadside verge	TQ644780	2	1991
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Thurrock, Little Thurrock, churchyard	TQ6277	2	1983
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Chadwell St Mary	TQ6478	2	2012
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ611787	6	1993
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Ferry Fields, Tilbury	TQ6475	1	1995

Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	3	1991
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays: Wasteground near Railway	TQ623774	1	1998
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ6178	5	1992
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays	TQ67E	2	1990
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ609788	4	1992
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	1991
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Chadwell St.Mary	TQ67P	1	1996
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Coenosia atra</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Coenosia atra</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1996
Essex Field Club	<i>Coenosia atra</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Colletes halophilus</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Colobaea punctata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008

Essex Field Club	<i>Crossocerus distinguendus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995
Essex Field Club	<i>Crossocerus distinguendus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Crossocerus distinguendus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Thurrock, 9 Kent Road	TQ622779	3	1995
Essex Field Club	<i>Crossocerus exiguus</i>	insect - hymenopteran	a digger wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Cryptocephalus aureolus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Cryptocephalus aureolus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2014
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Curculio rubidus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	2	1984

Essex Field Club	<i>Cynoglossum officinale</i>	flowering plant	Hound's-tongue	Red listing based on 2001 IUCN guidelines: Near Threatened	Tilbury Fort and World's End area	TQ6475	1	1997
Essex Field Club	<i>Dacryla pruinosa</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Indeterminate	Wouldhams Quarry	TQ605790	2	1985
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	1	2004
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Lt. Thurrock Marshes	TQ625773	1	1995
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Dasytes plumbeus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Dasytes plumbeus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Dasytes plumbeus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Didea fasciata</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Thurrock, 32 Lodge Lane	TQ624793	1	2002
Essex Field Club	<i>Didineis lunicornis</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Dioctria oelandica</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Diodontus insidiosus</i>	insect - hymenopteran	a digger wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Diogma glabrata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Dioxyna bidentis</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Dioxyna bidentis</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	2	2014
Essex Field Club	<i>Dioxyna bidentis</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Red Listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Red Listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Pit	TQ609789	1	1987
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Red Listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Quarry	TQ609789	1	1987

Essex Field Club	<i>Dolichovespula media</i>	insect - hymenopteran	a social wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Dolichovespula media</i>	insect - hymenopteran	a social wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	4	2014
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit, SW edge (grassland)	TQ611786	1	2008
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1997
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1987
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Dorycera graminum</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Drapetis infitialis</i>	insect - true fly (Diptera)		Red Listing based on 1994 IUCN guidelines: Data Deficient	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Ectemnius sexcinctus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Thurrock, 9 Kent Road	TQ622779	1	1984
Essex Field Club	<i>Ectemnius sexcinctus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1985

Essex Field Club	<i>Ectemnius sexcinctus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Edwardsiana ishidai</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Eilema complana</i>	insect - moth	Scarce Footman	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit	TQ6079	2	2000
Essex Field Club	<i>Eilema complana</i>	insect - moth	Scarce Footman	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Eilema complana</i>	insect - moth	Scarce Footman	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Empis woodi</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally scarce	Grays Chalk Quarry	TQ609789	1	1984
Essex Field Club	<i>Empis woodi</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally scarce	Grays Chalk Pit	TQ6178	1	1984
Essex Field Club	<i>Entelecara flavipes</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ6079	2	1986
Essex Field Club	<i>Entelecara flavipes</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Epitrix atropae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays chalk-pit	TQ67	1	1999
Essex Field Club	<i>Ero aphana</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B, Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014

Essex Field Club	<i>Ero aphana</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B, Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Ero aphana</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B, Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Grays, 32 Lodge Lane (front garden)	TQ624793	1	2015
Essex Field Club	<i>Ero tuberculata</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Red Listing based on 2001 IUCN guidelines: Vulnerable	Grays, 32 Lodge Lane (garden)	TQ624793	2	2011
Essex Field Club	<i>Erynnis tages</i>	insect - butterfly	Dingy Skipper	Red listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Eupeodes bucculatus</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1986
Essex Field Club	<i>Eupeodes bucculatus</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Warren Farm Chalk Quarry	TQ600790	1	1986
Essex Field Club	<i>Eurygaster maura</i>	insect - true bug (Hemiptera)	Scarce Tortoise Shieldbug	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Eurygaster maura</i>	insect - true bug (Hemiptera)	Scarce Tortoise Shieldbug	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Eurygaster maura</i>	insect - true bug (Hemiptera)	Scarce Tortoise Shieldbug	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Eustalomyia hilaris</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Filago vulgaris</i>	flowering plant	Common Cudweed	Red listing based on 2001 IUCN guidelines: Near Threatened	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Goniglossum wiedemanni</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays, 32 Lodge Lane (garden)	TQ624793	5	2015
Essex Field Club	<i>Gonocerus acuteangulatus</i>	insect - true bug (Hemiptera)	Box Bug	Red Listing based on pre 1994 IUCN guidelines: Endangered	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Gonocerus acuteangulatus</i>	insect - true bug (Hemiptera)	Box Bug	Red Listing based on pre 1994 IUCN guidelines: Endangered	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Gonocerus acuteangulatus</i>	insect - true bug (Hemiptera)	Box Bug	Red Listing based on pre 1994 IUCN guidelines: Endangered	Grays, 32 Lodge Lane (garden)	TQ624793	3	2011
Essex Field Club	<i>Gorytes laticinctus</i>	insect - hymenopteran	a digger wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays, 32 Lodge Lane (garden)	TQ624793	1	2008
Essex Field Club	<i>Gronops lunatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1987
Essex Field Club	<i>Halictus confusus</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Harpactea rubicunda</i>	spider (Araneae)		Red Listing based on 2001 IUCN guidelines: Vulnerable	Tilbury	TQ67	1	1988
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Red Listing based on pre 1994 IUCN guidelines: Extinct	Grays Chalk Pit	TQ6079	2	2000
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Red Listing based on pre 1994 IUCN guidelines: Extinct	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Red Listing based on pre 1994 IUCN guidelines: Extinct	Grays, 32 Lodge Lane (garden)	TQ624793	2	2004
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Red Listing based on pre 1994 IUCN guidelines: Extinct	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Red Listing based on pre 1994 IUCN guidelines: Extinct	Grays, Boscombe Ave	TQ6278	1	2000

Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1996
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	2	1996
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	7	2014
Essex Field Club	<i>Heleomyza captiosa</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Grays Chalk Quarry	TQ609789	3	1982
Essex Field Club	<i>Helleborus foetidus</i>	flowering plant	Stinking Hellebore	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Helophorus alternans</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A, Rare and scarce species (not based on IUCN criteria): Nationally scarce	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Helophorus nubilus</i>	insect - beetle (Coleoptera)	Wheat Mud Beetle	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Heriades truncorum</i>	insect - hymenopteran	a solitary bee	Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Grays, 32 Lodge Lane (garden)	TQ624793	17	2013

Essex Field Club	<i>Hieracium aggregatum</i>	flowering plant	Aggregate-headed Hawkweed	Rare and scarce species (not based on IUCN criteria): Nationally rare, Red listing based on 2001 IUCN guidelines: Data Deficient	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Red listing based on 2001 IUCN guidelines: Vulnerable	Chafford Gorges EWT: Grays Chalk Quarry	TQ608791	1	1999
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Red listing based on 2001 IUCN guidelines: Vulnerable	Chafford Gorges EWT: Grays Chalk Quarry	TQ606793	1	1999
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Red listing based on 2001 IUCN guidelines: Vulnerable	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	2000
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Red listing based on 2001 IUCN guidelines: Vulnerable	Chafford Gorges EWT: Grays Chalk Quarry	TQ608788	1	2001
Essex Field Club	<i>Hippodamia variegata</i>	insect - beetle (Coleoptera)	Adonis' Ladybird	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Hippodamia variegata</i>	insect - beetle (Coleoptera)	Adonis' Ladybird	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Hippodamia variegata</i>	insect - beetle (Coleoptera)	Adonis' Ladybird	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Hippophae rhamnoides</i>	flowering plant	Sea-buckthorn	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Hydrotaea parva</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Little Thurrock Marshes (grassland)	TQ629773	2	2011
Essex Field Club	<i>Hydrotaea parva</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry	TQ609789	1	1980

Essex Field Club	<i>Hygrotus parallelogrammus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B, Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Clockhouse Clifftop	TQ601791	1	2006
Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Lt. Thurrock Marshes	TQ625773	1	1995

Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	4	1997
Essex Field Club	<i>Hypera fuscocinerea</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Iassus scutellaris</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Inula crithmoides</i>	flowering plant	Golden-samphire	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Kalcapion semivittatum</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays	TQ67	1	1967
Essex Field Club	<i>Larinus planus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Larinus planus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Lasioglossum brevicorne</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6178	1	1994
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010

Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	5	1995
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Little Thurrock	TQ630781	1	1995
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury: Pitfall 10, Lump 2	TQ6475	1	1995
Essex Field Club	<i>Lasioglossum malachurum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Lt. Thurrock Marshes	TQ625773	1	1995
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit	TQ6178	1	1993

Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Lasioglossum puncticolle</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995
Essex Field Club	<i>Lasioglossum puncticolle</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Lasioglossum xanthopus</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Cemetery And Environs	TQ67J	1	1998
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ609788	2	1992
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	2	2000

Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ611787	3	1998
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays	TQ67E	2	1990
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Little Thurrock: Garden	TQ6379	1	1991
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	2	1991
Essex Field Club	<i>Lasiommata megera</i>	insect - butterfly	Wall	Red listing based on 2001 IUCN guidelines: Near Threatened	Chafford Gorges EWT: Grays Chalk Quarry	TQ6178	1	1992
Essex Field Club	<i>Lasius brunneus</i>	insect - hymenopteran	an ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Lathyrus aphaca</i>	flowering plant	Yellow Vetchling	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Lathyrus aphaca</i>	flowering plant	Yellow Vetchling	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Lathyrus aphaca</i>	flowering plant	Yellow Vetchling	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Quarry N.R. upper ledge EWT sector 1d	TQ608791	1	2007
Essex Field Club	<i>Leiodes rugosa</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ6078	1	1985

Essex Field Club	<i>Lepidium latifolium</i>	flowering plant	Dittander	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Lepidium latifolium</i>	flowering plant	Dittander	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Lepidium latifolium</i>	flowering plant	Dittander	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury Fort and World's End area	TQ6475	6	2014
Essex Field Club	<i>Leptophloeus clematidis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Lestes dryas</i>	insect - dragonfly (Odonata)	Scarce Emerald Damselfly	Red listing based on 2001 IUCN guidelines: Near Threatened	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Lispocephala falculata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable, Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Litophasia hyalipennis</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered, Red Listing based on pre 1994 IUCN guidelines: Extinct	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Litophasia hyalipennis</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered, Red Listing based on pre 1994 IUCN guidelines: Extinct	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1996
Essex Field Club	<i>Lomechusa emarginata</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	near Tilbury Fort	TQ67	1	1995

Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays	TQ67	1	1967
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Little Thurrock Marshes (grassland)	TQ629773	1	2009
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Titan Works Quarry, sand faces	TQ613784	1	2015
Essex Field Club	<i>Longitarsus dorsalis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (front garden)	TQ624793	1	2006
Essex Field Club	<i>Longitarsus dorsalis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Longitarsus fowleri</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Longitarsus fowleri</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Titan Works Quarry, north	TQ612789	1	2015
Essex Field Club	<i>Longitarsus fowleri</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Longitarsus ochroleucus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays	TQ67	1	1978
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994

Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Longitarsus quadriguttatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Tilbury	TQ67	1	1997
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	2	2009
EFC Schemes	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Hangman's Wood	TQ630793	1	2015
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, Lodge Lane	TQ624792	1	2012
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Thurrock, street	TQ623786	1	2002

Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	2	2014
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Belmont Road allotment site	TQ605780	1	2003
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Little Thurrock Marshes (grassland)	TQ629773	1	2009
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	4	2014
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Lygus pratensis</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Macarokeris nidicolens</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Madiza pachymera</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Malthinus balteatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Malthinus balteatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985

Essex Field Club	<i>Marrubium vulgare</i>	flowering plant	White Horehound	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury Fort and World's End area	TQ6475	1	1997
Essex Field Club	<i>Marrubium vulgare</i>	flowering plant	White Horehound	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury, Ferry Fields	TQ6475	1	1995
Essex Field Club	<i>Megachile dorsalis</i>	insect - hymenopteran	Silvery Leaf-cutter Bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	2	1995
Essex Field Club	<i>Megalephyphantes collinus occidentalis</i>	spider (Araneae)		Red Listing based on 2001 IUCN guidelines: Near Threatened	Grays, 32 Lodge Lane (garden)	TQ624793	1	2012
Essex Field Club	<i>Megalephyphantes collinus occidentalis</i>	spider (Araneae)		Red Listing based on 2001 IUCN guidelines: Near Threatened	Grays, 32 Lodge Lane (house)	TQ624793	4	2015
Essex Field Club	<i>Megalonotus antennatus</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Meioneta simplicitarsis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays, 32 Lodge Lane (garden)	TQ624793	2	2006
Essex Field Club	<i>Meliera picta</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Meligethes haemorrhoidalis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Wouldhams Quarry	TQ605790	1	1987
Essex Field Club	<i>Meligethes haemorrhoidalis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Meligethes rotundicollis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Ferry Fields, Tilbury	TQ6475	1	1995

Essex Field Club	<i>Meligethes umbrosus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Meligethes umbrosus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit, lower pit, NW open area (regenerating scrub)	TQ608790	1	2008
Essex Field Club	<i>Meligethes umbrosus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6079	2	1998
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6178	2	1993
Essex Field Club	<i>Meoneura lacteipennis</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Merzomyia westermanni</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Merzomyia westermanni</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010

Essex Field Club	<i>Merzomyia westermanni</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Microctenonyx subitaneus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Thurrock, 9 Kent Road	TQ622779	2	1988
Essex Field Club	<i>Microctenonyx subitaneus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Thurrock, 9 Kent Road	TQ622779	1	1988
Essex Field Club	<i>Microdynerus exilis</i>	insect - hymenopteran	a mason wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Mimesa bruxellensis</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Monochroa palustrella</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1981
Essex Field Club	<i>Mordellistena acuticollis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Mordellistena neuwaldeggiana</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Mutilla europaea</i>	insect - hymenopteran	Large Velvet Ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Myrmica schencki</i>	insect - hymenopteran	an ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ609789	4	1987
Essex Field Club	<i>Neoascia interrupta</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	1	2008

Essex Field Club	<i>Neottia nidus-avis</i>	flowering plant	Bird's-nest Orchid	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry and sites nearby	TQ6079	1	2010
Essex Field Club	<i>Neottia nidus-avis</i>	flowering plant	Bird's-nest Orchid	Red listing based on 2001 IUCN guidelines: Near Threatened	Thurrock, Grays, Disused chalk quarry	TQ6078	1	2011
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Thurrock, Finchley Road	TQ616779	1	1989
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Thurrock	TQ623783	2	1989
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays, 32 Lodge Lane (garden)	TQ624793	6	2015
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Thurrock, Finchley Road	TQ616779	1	1989

Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Nitela lucens</i>	insect - hymenopteran	a digger wasp	Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Grays Thurrock, 32 Lodge Lane	TQ624793	1	1998
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	3	2011
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1996
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit	TQ6078	2	1985
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	West Tilbury, Broom Hill	TQ6277	1	2010

Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	2	1996
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	5	2014
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Ferry Fields, Tilbury	TQ6475	2	1995
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit	TQ6178	2	1993
Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Pit	TQ6179	1	1993
Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Thurrock, 9 Kent Road	TQ622779	3	1995
Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Clockhouse Clifftop	TQ601791	1	2006
Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Red Listing based on pre 1994 IUCN guidelines: Rare	Grays, 32 Lodge Lane (garden)	TQ624793	1	2008
Essex Field Club	<i>Notiophilus quadripunctatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Nysson trimaculatus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1995

Essex Field Club	<i>Nysson trimaculatus</i>	insect - hymenopteran	a digger wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Odontomyia tigrina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Odynerus melanocephalus</i>	insect - hymenopteran	Black Headed Mason Wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Oegoconia caradjai</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	1	2012
Essex Field Club	<i>Oegoconia caradjai</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays	TQ6178	1	1983
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	7	2014
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Little Thurrock Marshes (grassland)	TQ629773	1	2009
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Titan Works Quarry, south	TQ614783	1	2015
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994

Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	2	2008
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Belmont Road allotment site	TQ605780	1	2003
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Omalius rugatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Oncocera semirubella</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6079	1	1982
Essex Field Club	<i>Oncocera semirubella</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Oncocera semirubella</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Onobrychis viciifolia</i>	flowering plant	Sainfoin	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Onobrychis viciifolia</i>	flowering plant	Sainfoin	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Onobrychis viciifolia</i>	flowering plant	Sainfoin	Red listing based on 2001 IUCN guidelines: Near Threatened	Thurrock: Chafford Hundred	TQ6079	1	2014

Essex Field Club	<i>Onobrychis viciifolia</i>	flowering plant	Sainfoin	Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry and sites nearby	TQ6079	1	2010
Essex Field Club	<i>Onobrychis viciifolia</i>	flowering plant	Sainfoin	Red listing based on 2001 IUCN guidelines: Near Threatened	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Onthophagus vacca</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Ophonus ardosiacus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Ophonus azureus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Ophonus puncticollis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Grays	TQ67	1	1920
Essex Field Club	<i>Ophonus schaubergerianus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Endangered	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Endangered	Thurrock, Grays, Chafford Gorges	TQ6079	1	2011
Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Endangered	Grays Chalk Quarry and sites nearby	TQ6079	1	2010

Essex Field Club	<i>Orchis anthropophora</i>	flowering plant	Man Orchid	Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Endangered	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Orthochaetes setiger</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Orthochaetes setiger</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Orthoperus brunnipes</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Oscinimorpha arcuata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Oscinimorpha arcuata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	3	1997
Essex Field Club	<i>Oscinimorpha arcuata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	3	2005
Essex Field Club	<i>Oscinimorpha arcuata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Oscinimorpha arcuata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Otiorhynchus raucus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Otiorhynchus raucus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985

Essex Field Club	<i>Oxyyna nebulosa</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Wouldhams Quarry	TQ6079	1	1987
Essex Field Club	<i>Ozyptila brevipes</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ609790	1	1986
Essex Field Club	<i>Ozyptila brevipes</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit (CARR/SWAMP)	TQ609790	1	1986
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry (MINERAL EXTR.)	TQ604791	1	1986
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays, 32 Lodge Lane (garden)	TQ624793	1	2006
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606789	4	1985
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry (MINERAL EXTR.)	TQ605792	1	1985
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ604791	1	1986
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606790	4	1986

Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ610790	2	1985
Essex Field Club	<i>Ozyptila sanctuaria</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ605792	1	1985
Essex Field Club	<i>Ozyptila simplex</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit (CARR/SWAMP)	TQ609790	1	1986
Essex Field Club	<i>Ozyptila simplex</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ602792	2	1986
Essex Field Club	<i>Ozyptila simplex</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ609790	1	1986
Essex Field Club	<i>Ozyptila simplex</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606790	2	1986
Essex Field Club	<i>Panamomops sulcifrons</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ67	2	1986
Essex Field Club	<i>Panamomops sulcifrons</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Ferry Fields, Tilbury: Pitfall 4, L Of Path	TQ6475	1	1995
Essex Field Club	<i>Panamomops sulcifrons</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ602792	2	1986
Essex Field Club	<i>Panamomops sulcifrons</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Ferry Fields, Tilbury: Pitfall 4 L Of Path	TQ6475	1	1995
Essex Field Club	<i>Panamomops sulcifrons</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ605794	2	1986

Essex Field Club	<i>Parapholis incurva</i>	flowering plant	Curved Hard-grass	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Paratalanta hyalinalis</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Paratalanta hyalinalis</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Pardosa agrestis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606790	3	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ610790	5	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ604791	2	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Quarry	TQ6078	1	2008
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606790	3	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ608792	2	1985

Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	4	2014
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ605794	3	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Quarry	TQ609789	1	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry (MINERAL EXTR.)	TQ604791	1	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ609789	1	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ602792	3	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	2	2014
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008

Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Wouldhams Quarry	TQ606789	3	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays Chalk Pit	TQ607790	2	1986
Essex Field Club	<i>Pardosa hortensis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays, 32 Lodge Lane (garden)	TQ624793	8	2013
Essex Field Club	<i>Parochthiphila spectabilis</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Parochthiphila spectabilis</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Passaloecus clypealis</i>	insect - hymenopteran	a digger wasp	Red Listing based on pre 1994 IUCN guidelines: Rare	Ferry Fields, Tilbury	TQ6475	3	1995
Essex Field Club	<i>Pediasia contaminella</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Phaonia mediterranea</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Philanthus triangulum</i>	insect - hymenopteran	Bee Wolf	Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Philanthus triangulum</i>	insect - hymenopteran	Bee Wolf	Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2005
Essex Field Club	<i>Philanthus triangulum</i>	insect - hymenopteran	Bee Wolf	Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Philanthus triangulum</i>	insect - hymenopteran	Bee Wolf	Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995

Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	1	2008
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	2	2014
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Quarry	TQ6078	1	2008
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Philodromus albidus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays, 32 Lodge Lane (garden)	TQ624793	5	2014
Essex Field Club	<i>Philodromus praedatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Philodromus praedatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Belmont Road allotment site	TQ605780	1	2003

Essex Field Club	<i>Philodromus praedatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Orsett Heath	TQ638793	2	1992
Essex Field Club	<i>Philodromus praedatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Phytoecia cylindrica</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Pipiza lugubris</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays, 32 Lodge Lane (garden)	TQ624793	1	2004
Essex Field Club	<i>Pipizella virens</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Pipizella virens</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Pipizella virens</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Platycheirus immarginatus</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1997
Essex Field Club	<i>Platyderus depressus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Platyderus depressus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Platynaspis luteorubra</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Wouldhams Quarry	TQ605790	1	1985

Essex Field Club	<i>Platypalpus caroli</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally scarce	Grays Chalk Quarry	TQ609789	2	1980
Essex Field Club	<i>Platypalpus cryptospina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally scarce	Grays Chalk Pit, lower pit, NW open area (regenerating scrub)	TQ608790	1	2008
Essex Field Club	<i>Platypalpus cryptospina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally scarce	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Podagrica fuscicornis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	2	2007
Essex Field Club	<i>Podagrica fuscicornis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Podagrica fuscicornis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays	TQ67	1	1953
Essex Field Club	<i>Podagrica fuscipes</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Town Wharf, Grays	TQ614773	2	2003
Essex Field Club	<i>Podagrica fuscipes</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Polydrusus formosus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Polydrusus formosus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	3	2014
Essex Field Club	<i>Polydrusus formosus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014

Essex Field Club	<i>Ponera coarctata</i>	insect - hymenopteran	an ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (house)	TQ624793	1	2006
Essex Field Club	<i>Ponera coarctata</i>	insect - hymenopteran	an ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Ponera coarctata</i>	insect - hymenopteran	an ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Priocnemis cordivalvata</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Priocnemis gracilis</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Priocnemis schioedtei</i>	insect - hymenopteran	a spider-hunter wasp	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Pseudomalus violaceus</i>	insect - hymenopteran	chrysidids & cuckoo wasps	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Pteromicra glabricula</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ6078	1	1977
Essex Field Club	<i>Pteromicra glabricula</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry	TQ609789	1	1984
Essex Field Club	<i>Pterostichus gracilis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1987
Essex Field Club	<i>Pterostichus gracilis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008

Essex Field Club	<i>Pyrgus malvae</i>	insect - butterfly	Grizzled Skipper	Red listing based on 2001 IUCN guidelines: Vulnerable	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	1	1991
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry N.R. sector EWT2a	TQ6178	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry, lower ledge NW (1a)	TQ605789	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry, sector EWT (2d)	TQ6078	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry N.R. sector EWT 2c	TQ6079	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Rare and scarce species (not based on IUCN criteria): Nationally scarce, Red listing based on 2001 IUCN guidelines: Near Threatened	Grays Chalk Quarry N.R., sector EWT (2b)	TQ6078	1	2007

Essex Field Club	<i>Quedius longicornis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Raglius alboacuminatus</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	7	2010
Essex Field Club	<i>Recurvaria nanella</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Rhagonycha lutea</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Rhagonycha lutea</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Saaristoa firma</i>	spider (Araneae)		Red Listing based on 2001 IUCN guidelines: Vulnerable	Grays Chalk Pit	TQ6078	4	1986
Essex Field Club	<i>Saldula opacula</i>	insect - true bug (Hemiptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Salticus zebraneus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays, 32 Lodge Lane (garden)	TQ624793	1	2010
Essex Field Club	<i>Salticus zebraneus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	2	2014

Essex Field Club	<i>Sapromyza quadricincta</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Sarcophaga subulata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Satyrrium w-album</i>	insect - butterfly	White-letter Hairstreak	Red listing based on 2001 IUCN guidelines: Endangered	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	2000
Essex Field Club	<i>Sciocoris cursitans</i>	insect - true bug (Hemiptera)	Sand-runner Shieldbug	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Sibinia arenariae</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Silis ruficollis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Siphonella oscinina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Siphonella oscinina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Siphonella oscinina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Siphonella oscinina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry	TQ606790	1	1984
Essex Field Club	<i>Siphonella oscinina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008

Essex Field Club	<i>Siphonella oscinina</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Sitochroa palealis</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ6178	1	2003
Essex Field Club	<i>Sitochroa palealis</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Sitochroa palealis</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Sitochroa palealis</i>	insect - moth		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Sitona macularius</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays	TQ67	1	1967
Essex Field Club	<i>Sitona macularius</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Sitona ononidis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Sitona ononidis</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Smicromyrme rufipes</i>	insect - hymenopteran	a velvet ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	The Sand Martin pub cliff	TQ607792	1	2006
Essex Field Club	<i>Smicromyrme rufipes</i>	insect - hymenopteran	a velvet ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Smicromyrme rufipes</i>	insect - hymenopteran	a velvet ant	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2005
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Sphecodes reticulatus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1997
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	The Sand Martin pub cliff	TQ607792	1	2006

Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ606793	1	1995-7
Essex Field Club	<i>Squamapion flavimanum</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Stelis punctulatissima</i>	insect - hymenopteran	a cuckoo bee	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Thurrock, 9 Kent Road	TQ622779	1	1996
Essex Field Club	<i>Stenolophus teutonius</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Stenus carbonarius</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Stictopleurus abutilon</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Extinct	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Stictopleurus abutilon</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Extinct	Grays, 32 Lodge Lane (garden)	TQ624793	1	2007
Essex Field Club	<i>Stictopleurus punctatonervosus</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Extinct	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Stictopleurus punctatonervosus</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Extinct	Little Thurrock Marshes (grassland)	TQ629773	1	2009
Essex Field Club	<i>Stictopleurus punctatonervosus</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Extinct	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Stictopleurus punctatonervosus</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Extinct	Belmont Road allotment site	TQ605780	1	2003
Essex Field Club	<i>Stictopleurus punctatonervosus</i>	insect - true bug (Hemiptera)		Red Listing based on pre 1994 IUCN guidelines: Extinct	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014

Essex Field Club	<i>Stratiomys singularior</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Tilbury Fort	TQ6475	1	2003
Essex Field Club	<i>Syedra gracilis</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry	TQ6079	2	1986
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Grays	TQ67	1	1980
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Wouldhams Quarry	TQ605790	2	1987
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: IUCN (pre 1994) - Insufficiently known	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Tachydromia connexa</i>	insect - true fly (Diptera)		Red Listing based on 1994 IUCN guidelines: Vulnerable	Grays Chalk Quarry	TQ609789	1	1983
Essex Field Club	<i>Tanymecus palliatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays	TQ67	1	1955
Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit	TQ6078	2	1986

Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Wouldhams Quarry	TQ606789	2	1986
Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit	TQ6179	2	1986
Essex Field Club	<i>Theridion blackwalli</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays, 32 Lodge Lane (house)	TQ624793	1	2006
Essex Field Club	<i>Theridion blackwalli</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Grays, 32 Lodge Lane (garden)	TQ624793	3	2011
Essex Field Club	<i>Tilia platyphyllos</i>	flowering plant	Large-leaved Lime	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Tilbury approach A126	TQ6477	1	2012
Essex Field Club	<i>Tiphia minuta</i>	insect - hymenopteran	The Small Tiphia	Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Tipula peliostigma</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Trachyploeus asperatus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Trachysiphonella scutellata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	3	1997
Essex Field Club	<i>Trachysiphonella scutellata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Trachysiphonella scutellata</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	1996

Essex Field Club	<i>Trachyzelotes pedestris</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable, Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Trichina opaca</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally scarce	Grays Chalk Pit	TQ6078	1	1977
Essex Field Club	<i>Trifolium glomeratum</i>	flowering plant	Clustered Clover	Rare and scarce species (not based on IUCN criteria): Nationally scarce	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Triglyphus primus</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Triglyphus primus</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Trixagus gracilis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Trypeta zoe</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Endangered	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Tychius pusillus</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Typhochrestus digitatus</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce B (Watching brief)	Wouldhams Quarry	TQ606790	2	1987
Essex Field Club	<i>Urophora solstitialis</i>	insect - true fly (Diptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, NW open area (regenerating scrub)	TQ608790	1	2008

Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	4	2014
Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	4	2008
Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable B	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays, 32 Lodge Lane (garden)	TQ624793	6	2011
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ607788	2	1987
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry	TQ607791	1	1987
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Ferry Fields, Tilbury	TQ6475	2	1994
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry	TQ607791	2	1987
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014

Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays Chalk Pit	TQ607788	4	1987
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Rare and scarce species (not based on IUCN criteria): Nationally Notable	Grays, 32 Lodge Lane (garden)	TQ624793	8	2009
Essex Field Club	<i>Xantholinus elegans</i>	insect - beetle (Coleoptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable A	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Thurrock, 9 Kent Road	TQ622779	1	1988
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Thurrock, 9 Kent Road	TQ622779	1	1988

Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit	TQ608791	2	1985
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Quarry	TQ6078	2	2008
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays, 32 Lodge Lane (garden)	TQ624793	1	2012
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 1990: Nationally Notable	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Chalk Pit	TQ607790	3	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Thurrock (POSTINDUSTRIAL)	TQ620776	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry	TQ605793	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Chalk Pit	TQ610790	7	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Thurrock,9 Kent Road	TQ622779	3	1991
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry	TQ606790	5	1986

Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Ferry Fields, Tilbury: Pitfall 1,2,3, R Path	TQ6475	1	1995
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Chalk Quarry	TQ609789	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry	TQ602792	3	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Chalk Pit	TQ609789	2	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Thurrock, 32 Lodge Lane	TQ624793	2	2000
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry	TQ605794	5	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Chalk Pit	TQ6177	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays, 32 Lodge Lane (front garden)	TQ624793	1	2008
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry (MINERAL EXTR.)	TQ604791	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Ferry Fields, Tilbury: Pitfall 1,2,3,R Path	TQ6475	1	1995

Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Thurrock	TQ620776	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry	TQ604791	2	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Chalk Pit	TQ609790	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Thurrock, 9 Kent Road	TQ622779	3	1991
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Wouldhams Quarry	TQ606789	5	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays Chalk Pit (CARR/SWAMP)	TQ609790	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Rare and scarce species (not based on IUCN criteria) 2012: pNationally Scarce A	Grays, 32 Lodge Lane (garden)	TQ624793	2	2006
Essex Field Club	<i>Zodion cinereum</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable, Red Listing based on pre 1994 IUCN guidelines: Rare	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Zophomyia temula</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008

Essex Field Club	<i>Zophomyia temula</i>	insect - true fly (Diptera)		Rare and scarce species (not based on IUCN criteria): Nationally Notable	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
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20. Essex Red Data List Species

Information contained in the Inventory

The Essex Red Data List was compiled in 2002 for English Nature (now Natural England), with the input of County Recorders and other county specialists and with an extensive period of consultation. The full list is available at www.essexfieldclub.org.uk/portal/p/Essex+Red+Data+List.

The list is an important compilation of Essex information, helping to inform and better enable biodiversity and planning decisions throughout the county. As an internet resource, the list has been updated, with changes listed on the website.

Inclusion of species on the list is guided by the following key criteria:

- In the national Red Data List (where one exists)
- Nationally Scarce/Notable (where there is an available definition and list).
- Species which are rare, declining and/or subject to a high degree of threat in Essex (and not in either of the above categories).

Depending on the degree of regional knowledge this is related to:

- Species recorded in few modern sites (X or fewer sites, since 19XX).
- Species with restricted distribution occurring in habitats under a high degree of threat nationally and/or within the county.
- More widespread species which have undergone a substantial decline in number or distribution since 19XX.
- Species which are extinct in Essex, and for which there is significant potential for re-establishment, either naturally or through intervention.

The values of X will vary for different taxonomic groups; County Recorders and other county specialists have used their knowledge to determine the threshold values for each particular taxonomic group in Essex.

In addition, Essex Red Data List Threat Statuses have been assigned to the Arachnida, aculeate Hymenoptera, Syrphidae, larger Brachycera, Orthoptera and Odonata taxonomic groups. These threat categories are defined* as:

Essex Endangered

- Species known as a single population within a single post-1980 1km² or only from threatened or vulnerable sites in Essex.
- Species believed extinct in Essex.

Essex Vulnerable

- Species known from only two populations in Essex.
- Essex Rare species which are restricted to habitats or sites known to be under threat in Essex.
- Species which only occur at sites in Essex known to be vulnerable.
- Species which have shown a continuous decline over the last twenty years and are now known to exist in less than 1% of the covered post-1980 1km² in Essex.

Essex Threatened

- Essex Scarce species with a Frequency Ratio of less than 1.5 and Tetrad percentage of less than 1.0 indicating widely isolated populations within the county.
- Essex Scarce species which are restricted to habitats or sites known to be under threat in the county.
- Species which have shown a continuous decline over the last twenty years.

Regionally Important

- Species which are important in a national context because Essex contains a significant proportion of the national populations.
- Species which are important in a national context because they have a close association with a specific nationally threatened habitat included in the Biodiversity Action Plan.
- Species which are important in a national context because they are dominant in or peculiar to a specific habitat for which Essex contains a large percentage of the national habitat.

* Detailed information is available at

<http://www.essexfieldclub.org.uk/portal/p/Essex+Red+Data+threat+statuses>

Where a taxon not included in the list has been recorded from 6 or less of the 57 hectads (10km squares) covering the Watsonian VCs 18 and 19 it has been accorded a provisional Essex Red Data List status (pListed) here.

Essex Red Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
Essex Field Club	<i>Acanthiophilus helianthi</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Achaearanea simulans</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Achaearanea simulans</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Acidota cruentata</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Acleris cristana</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Acompsia schmidtellus</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Actia infantula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Aethes dilucidana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1982
Essex Field Club	<i>Aethes francillana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Aethes tesserana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	2	1986
Essex Field Club	<i>Aethes williana</i>	insect - moth		Essex Red Data List: pListed	Grays	TQ6077	1	1987
Essex Field Club	<i>Agabus conspersus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Agabus conspersus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Agathomyia collini</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6078	1	1977

Essex Field Club	<i>Agelastica alni</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays-Rainham dist.' ?TQ67	TQ67	1	1868
Essex Field Club	<i>Agonopterix nanatella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Agriphila latistria</i>	insect - moth		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Agyneta subtilis</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ610790	3	1985
Essex Field Club	<i>Aleucis distinctata</i>	insect - moth	Sloe Carpet	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Allodia lugens</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Allodia silvatica</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Althaea officinalis</i>	flowering plant	Marsh-mallow	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Amauromyza labiatarum</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Amobia signata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1g	TQ6178	1	2007
Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1d	TQ608791	1	2007

Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Anatella turi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Ancistrocerus parietum</i>	insect - hymenopteran	Wall Mason Wasp	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1994
Essex Field Club	<i>Ancistrocerus scoticus</i>	insect - hymenopteran	a mason wasp	Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995
Essex Field Club	<i>Andrena alfkenella</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Andrena alfkenella</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Andrena alfkenella</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Andrena falsifica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Andrena falsifica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1996
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	5	2015
Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Belmont Road allotment site	TQ605780	2	2003

Essex Field Club	<i>Andrena florea</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, Danehole roundabout car park (hedge)	TQ627792	1	2002
Essex Field Club	<i>Andrena fulvago</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	8	2008
Essex Field Club	<i>Andrena humilis</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Andrena humilis</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Andrena humilis</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	The Sand Martin pub cliff	TQ607792	2	2006
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	6	2014
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	2	2008
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Andrena minutuloides</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Andrena nigrospina</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2015
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014

Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1985
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2009
Essex Field Club	<i>Andrena pilipes sens. str.</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	1	1998
Essex Field Club	<i>Andrena thoracica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, Danehole roundabout car park (hedge)	TQ627792	1	2002
Essex Field Club	<i>Andrena thoracica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Andrena thoracica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Andrena thoracica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Andrena thoracica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2011
Essex Field Club	<i>Andrena thoracica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Andrena thoracica</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Andrena tibialis</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	8	2012
Essex Field Club	<i>Andrena trimmerana</i>	insect - hymenopteran	Trimmer's Mining Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Andrena trimmerana</i>	insect - hymenopteran	Trimmer's Mining Bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	2	1995
Essex Field Club	<i>Andrena trimmerana</i>	insect - hymenopteran	Trimmer's Mining Bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Anelosimus aulicus</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Anelosimus aulicus</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Anoplius nigerrimus</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Anoplius nigerrimus</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Anoplius nigerrimus</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Anthomyia confusanea</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Anthomyia imbrida</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1997
Essex Field Club	<i>Anthomyia liturata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	5	1997
Essex Field Club	<i>Anthomyia liturata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Anthophora quadrimaculata</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Anthophora quadrimaculata</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1997
Essex Field Club	<i>Anthophora quadrimaculata</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2013
Essex Field Club	<i>Anthyllis vulneraria subsp. vulneraria</i>	flowering plant	Kidney Vetch	Essex Red Data List: Listed	Grays Gorge	TQ67	1	2011

Essex Field Club	<i>Antispila metallella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Antispila treitschkiella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Aphodius consputus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Aplomya confinis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Arachnospila minutula</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Arachnospila minutula</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Arachnospila minutula</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995
Essex Field Club	<i>Arachnospila spissa</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Arachnospila spissa</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Arachnospila spissa</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Arachnospila spissa</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Araneus sturmi</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Arctosa leopardus</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	3	2008
Essex Field Club	<i>Arctosa leopardus</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008

Essex Field Club	<i>Argynnis aglaja</i>	insect - butterfly	Dark Green Fritillary	Essex Red Data List: Appendix	Chafford Gorges EWT: Grays Chalk Quarry	TQ608788	1	2001
Essex Field Club	<i>Arum italicum subsp. italicum</i>	flowering plant	Italian Lords-and-Ladies	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Essex BAP: EBAP, Essex Red Data List: Listed	TQ631794	TQ631794	2	2006
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Essex BAP: EBAP, Essex Red Data List: Listed	TQ635777	TQ635777	4	1998
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Essex BAP: EBAP, Essex Red Data List: Listed	TQ629773	TQ629773	5	2009
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Essex BAP: EBAP, Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	5	1994
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Essex BAP: EBAP, Essex Red Data List: Listed	Ferry Fields	TQ645755	1	1997
Essex Field Club	<i>Asilus crabroniformis</i>	insect - true fly (Diptera)		Essex BAP: EBAP, Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ645755	1	1997
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Asiraca clavicornis</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Asplenium ruta-muraria</i>	fern	Wall-rue	Essex Red Data List: Listed	Grays	TQ6177	1	2009
Essex Field Club	<i>Astata boops</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	5	2015
Essex Field Club	<i>Astata boops</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays, 32 Lodge Lane (house)	TQ624793	1	2007

Essex Field Club	<i>Astata boops</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2014
Essex Field Club	<i>Astragalus glycyphyllos</i>	flowering plant	Wild Liquorice	Essex Red Data List: Listed	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Astragalus glycyphyllos</i>	flowering plant	Wild Liquorice	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1h	TQ6178	1	2007
Essex Field Club	<i>Astragalus glycyphyllos</i>	flowering plant	Wild Liquorice	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Astragalus glycyphyllos</i>	flowering plant	Wild Liquorice	Essex Red Data List: Listed	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Atelestus pulicarius</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	3	1984
Essex Field Club	<i>Athous campyloides</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Atypus affinis</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	4	1986
Essex Field Club	<i>Atypus affinis</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ609789	2	1986
Essex Field Club	<i>Aulagromyza orphana</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Clockhouse Clifftop	TQ601791	1	2006
Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	4	2005
Essex Field Club	<i>Auplopus carbonarius</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Balaenoptera physalus</i>	marine mammal	Fin Whale	Essex Red Data List: Listed	TQ600770	TQ600770	2	1949

Essex Field Club	<i>Bathysolen nubilus</i>	insect - true bug (Hemiptera)	Cryptic Leatherbug	Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Beris fuscipes</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (house)	TQ624793	1	2010
Essex Field Club	<i>Beris morrisii</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1974
Essex Field Club	<i>Beris morrisii</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Bianor auROCinctus</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Bianor auROCinctus</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Bianor auROCinctus</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2008
Essex Field Club	<i>Bianor auROCinctus</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ606790	2	1986
Essex Field Club	<i>Bibio anglicus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Bibio anglicus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Wouldhams Quarry	TQ6079	1	1987
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1997
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ645755	1	1997
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	1993

Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	7	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	6	2009
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	2	1994
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Lt. Thurrock Marshes	TQ625773	1	1995
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland)	TQ608789	1	2008
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	3	1998
Essex Field Club	<i>Bombus humilis</i>	insect - hymenopteran	Brown-banded Carder Bee	Essex Red Data List: Listed	Thurrock College grounds	TQ636789	1	2012
Essex Field Club	<i>Bombus ruderatus</i>	insect - hymenopteran	Large Garden Bumble Bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2015

Essex Field Club	<i>Bombus rupestris</i>	insect - hymenopteran	a cuckoo bumblebee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Essex BAP: EBAP, Essex Red Data List: Listed	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Essex BAP: EBAP, Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Bombus sylvarum</i>	insect - hymenopteran	Shrill Carder Bee	Essex BAP: EBAP, Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Brachysomus echinatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Bruchus atomarius</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Bryotropha basaltinella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	2	1984
Essex Field Club	<i>Bryotropha terrella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Bryotropha terrella</i>	insect - moth		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Calathus ambiguus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Calliopum elisae</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Little Thurrock Marshes (grassland)	TQ629773	1	2009
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Gorge	TQ608791	1	2011
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2001
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ609788	4	1992
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Grays	TQ67E	1	1990
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Gorge	TQ604789	1	2011

Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Grays Chalk Pit, SW edge (grassland)	TQ611786	1	2008
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Orsett Heath	TQ6379	1	1990
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ6078	1	1990
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges: Devonshire Road	TQ602789	1	2010
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ611787	4	1993
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Gorge	TQ608789	1	2011
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Grays Gorge EWT	TQ608789	1	2014
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	2	1991
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ6178	3	1992
Essex Field Club	<i>Callophrys rubi</i>	insect - butterfly	Green Hairstreak	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Calophasia lunula</i>	insect - moth	Toadflax Brocade	Essex Red Data List: Listed	Grays RM17 6EY (garden)	TQ627779	1	2012
Essex Field Club	<i>Calophasia lunula</i>	insect - moth	Toadflax Brocade	Essex Red Data List: Listed	Grays RM17 6BY (garden)	TQ618777	5	2013
Essex Field Club	<i>Calosirus terminatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Campanula rotundifolia</i>	flowering plant	Harebell	Essex Red Data List: Listed	Thurrock:Grays: ARWallace home and garden	TQ617785	1	2015

Essex Field Club	<i>Campiglossa loewiana</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Candidula gigaxii</i>	mollusc		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Capperia britanniodactyla</i>	insect - moth		Essex Red Data List: Listed	Orsett Heath	TQ6379	3	1990
Essex Field Club	<i>Carex nigra</i>	flowering plant	Common Sedge	Essex Red Data List: Listed	Grays Chalk Quarry N.R. sector EWT 2c	TQ6079	1	2007
Essex Field Club	<i>Carlina vulgaris</i>	flowering plant	Carlina Thistle	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Carlina vulgaris</i>	flowering plant	Carlina Thistle	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Carlina vulgaris</i>	flowering plant	Carlina Thistle	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge area, sector EWT 1c	TQ607790	1	2007
Essex Field Club	<i>Carlina vulgaris</i>	flowering plant	Carlina Thistle	Essex Red Data List: Listed	Grays Chalk Quarry, lower ledge NW (1a)	TQ605789	1	2007
Essex Field Club	<i>Carlina vulgaris</i>	flowering plant	Carlina Thistle	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1g	TQ6178	1	2007
Essex Field Club	<i>Carlina vulgaris</i>	flowering plant	Carlina Thistle	Essex Red Data List: Listed	Thurrock, Grays, Disused chalk quarry	TQ6078	1	2011
Essex Field Club	<i>Caryocolum viscariaella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Catapion pubescens</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Catapion pubescens</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Catharosia pygmaea</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005

Essex Field Club	<i>Centromerus serratus</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ610790	2	1986
Essex Field Club	<i>Centromerus serratus</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ610791	4	1986
Essex Field Club	<i>Cerastium semidecandrum</i>	flowering plant	Little Mouse-ear	Essex Red Data List: Listed	Little Thurrock, Woodside School area	TQ6379	1	2013
Essex Field Club	<i>Cerastium semidecandrum</i>	flowering plant	Little Mouse-ear	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2014
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	7	2014
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	1	1994
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	West Tilbury, Broom Hill	TQ6277	1	2010
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1996
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	2	2008
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Clockhouse Clifftop	TQ601791	1	2006
Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995

Essex Field Club	<i>Ceratina cyanea</i>	insect - hymenopteran	Blue Carpenter Bee	Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	1	1998
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	10	2008
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Cerceris quinquefasciata</i>	insect - hymenopteran	5-banded Tailed Digger Wasp	Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Cerceris ruficornis</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1996
Essex Field Club	<i>Cercyon sternalis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Cercyon sternalis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Cercyon tristis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1987
Essex Field Club	<i>Cercyon tristis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Cerodontha biseta</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Cerodontha muscina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Ceromya bicolor</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995

Essex Field Club	<i>Chaetostomella cylindrica</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Chamaemyia juncorum</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Chamaemyia juncorum</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Chamaemyia juncorum</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Chamaemyia juncorum</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Chamaemyia nigripalpis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Cheilosia barbata</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Quarry Nature Reserve	TQ6078	3	1987
Essex Field Club	<i>Cheilosia barbata</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Quarry Nature Reserve	TQ6079	1	1993
Essex Field Club	<i>Cheilosia barbata</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	2	1986
Essex Field Club	<i>Cheilosia velutina</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Cheilosia velutina</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	2	1994
Essex Field Club	<i>Cheilosia velutina</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	2	1985
Essex Field Club	<i>Cheilosia vulpina</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	3	1985
Essex Field Club	<i>Chelipoda vocatoria</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Chesias rufata</i>	insect - moth	Broom-tip	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Chetostoma curvinerve</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014

Essex Field Club	<i>Chilodes maritimus</i>	insect - moth	Silky Wainscot	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1982
Essex Field Club	<i>Chlorops fasciatus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Chlorops novakii</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Chlorops ringens</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Chlorops ringens</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Chlorops ringens</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Chlorops ringens</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ606790	2	1984
Essex Field Club	<i>Chlorops ringens</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Chlorops serenus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Chorisops nagatomii</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Chorisops nagatomii</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Chorisops nagatomii</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Chrysis schencki</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Chrysis viridula</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005

Essex Field Club	<i>Chrysis viridula</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1996
Essex Field Club	<i>Chrysis viridula</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	2	1996
Essex Field Club	<i>Chrysis viridula</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Chrysoesthia sexguttella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Chrysolina marginata</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Power Station	TQ67	1	2007
Essex Field Club	<i>Chrysotus suavis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	2	1981
Essex Field Club	<i>Chthonius tetrachelatus</i>	pseudoscorpion		Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1987
Essex Field Club	<i>Chyliza leptogaster</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1974
Essex Field Club	<i>Cicindela campestris</i>	insect - beetle (Coleoptera)	Green Tiger Beetle	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Cinochira atra</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Cirsium acaule</i>	flowering plant	Dwarf Thistle	Essex Red Data List: Listed	Grays Chalk Quarry N.R., sector EWT (2b)	TQ6078	1	2007
Essex Field Club	<i>Cirsium acaule</i>	flowering plant	Dwarf Thistle	Essex Red Data List: Listed	Thurrock, Grays, Disused chalk quarry	TQ6078	1	2011
Essex Field Club	<i>Cleptes semiauratus</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Essex Red Data List: Listed	Thurrock, Chadwell St Mary, churchyard	TQ6478	1	1983
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015

Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Essex Red Data List: Listed	Thurrock, Grays, Disused chalk quarry	TQ6078	4	2007
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Essex Red Data List: Listed	Hutts Hill, roadside verge	TQ644780	2	1991
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Essex Red Data List: Listed	Thurrock, Little Thurrock, churchyard	TQ6277	2	1983
Essex Field Club	<i>Clinopodium calamintha</i>	flowering plant	Lesser Calamint	Essex Red Data List: Listed	Chadwell St Mary	TQ6478	2	2012
Essex Field Club	<i>Clusiodes verticalis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1977
Essex Field Club	<i>Cochylidia heydeniana</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Cochylis nana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Coelioxys elongata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Thurrock, 32 Lodge Lane	TQ624793	1	2001
Essex Field Club	<i>Coelioxys inermis</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2012
Essex Field Club	<i>Coelioxys inermis</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Coleophora artemisicolella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Coleophora artemisicolella</i>	insect - moth		Essex Red Data List: pListed	Grays	TQ6078	1	1980
Essex Field Club	<i>Coleophora conspicuella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Coleophora conyzae</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	2	1984
Essex Field Club	<i>Coleophora hemerobiella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Coleophora hemerobiella</i>	insect - moth		Essex Red Data List: Listed	Orsett Heath	TQ6379	1	1990
Essex Field Club	<i>Coleophora limosipennella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Coleophora limosipennella</i>	insect - moth		Essex Red Data List: pListed	Orsett Heath	TQ6379	1	1990
Essex Field Club	<i>Coleophora milvipennis</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Coleophora solitariella</i>	insect - moth		Essex Red Data List: pListed	Orsett Heath	TQ6379	1	1990
Essex Field Club	<i>Coleophora squamosella</i>	insect - moth		Essex Red Data List: Listed	Grays	TQ6077	1	1985
Essex Field Club	<i>Coleophora squamosella</i>	insect - moth		Essex Red Data List: Listed	Grays	TQ6078	1	1980
Essex Field Club	<i>Coleophora squamosella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Colletes halophilus</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Colobaea punctata</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Conioscinella gallarum</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Conistra rubiginea</i>	insect - moth	Dotted Chestnut	Essex Red Data List: Listed	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Coproica hirticula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Cordilura pubera</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Crepis biennis</i>	flowering plant	Rough Hawk's-beard	Essex Red Data List: Listed	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Crossocerus distinguendus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995

Essex Field Club	<i>Crossocerus distinguendus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Crossocerus distinguendus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	3	1995
Essex Field Club	<i>Crossocerus exiguus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Crossocerus styrius</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Crossopalpus nigritellus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Cryptocephalus aureolus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Cryptocephalus aureolus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2014
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Cryptocephalus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Cucullia absinthii</i>	insect - moth	Wormwood	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Cucullia asteris</i>	insect - moth	Star-wort	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Cucullia asteris</i>	insect - moth	Star-wort	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	1	1990
Essex Field Club	<i>Curculio rubidus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	2	1984

Essex Field Club	<i>Cydia medicaginis</i>	insect - moth	Alfalfa Moth	Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1979
Essex Field Club	<i>Cydia microgrammana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1981
Essex Field Club	<i>Cylindroiulus caeruleocinctus</i>	millipede	a millipede	Essex Red Data List: pListed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Cylindroiulus caeruleocinctus</i>	millipede	a millipede	Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Cylindroiulus caeruleocinctus</i>	millipede	a millipede	Essex Red Data List: pListed	Grays Thurrock, 32 Lodge Lane	TQ624793	2	1999
Essex Field Club	<i>Cylindroiulus caeruleocinctus</i>	millipede	a millipede	Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Cylindroiulus caeruleocinctus</i>	millipede	a millipede	Essex Red Data List: pListed	Grays, 32 Lodge Lane (garden)	TQ624793	6	2007
Essex Field Club	<i>Cylindroiulus caeruleocinctus</i>	millipede	a millipede	Essex Red Data List: pListed	Grays Chalk Pit, Main Site	TQ607788	1	1984
Essex Field Club	<i>Cylindromyia interrupta</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Cynoglossum officinale</i>	flowering plant	Hound's-tongue	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	1	1997
Essex Field Club	<i>Dahlica triquetrella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Dahlica triquetrella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	2	1989
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2004
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Essex Red Data List: Listed	Lt. Thurrock Marshes	TQ625773	1	1995
Essex Field Club	<i>Dasypoda hirtipes</i>	insect - hymenopteran	Hairy Legged Mining Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005

Essex Field Club	<i>Dasytes plumbeus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Dasytes plumbeus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Dasytes plumbeus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Delia florilega</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	1997
Essex Field Club	<i>Delia platura</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	1996
Essex Field Club	<i>Delia platura</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	3	1997
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Wouldhams Quarry	TQ6079	3	1987
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ606790	1	1984
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	2005
Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995

Essex Field Club	<i>Dichetophora obliterata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Dichrorampha aeratana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Dichrorampha plumbana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Didea fasciata</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Thurrock, 32 Lodge Lane	TQ624793	1	2002
Essex Field Club	<i>Didineis lunicornis</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Digitivalva perlepidella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	2	1984
Essex Field Club	<i>Dioctria oelandica</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Diodontus insidiosus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Diogma glabrata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Dioxyna bidentis</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Dioxyna bidentis</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	2	2014
Essex Field Club	<i>Dioxyna bidentis</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ609789	1	1987

Essex Field Club	<i>Dipoena inornata</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	1	1987
Essex Field Club	<i>Dithryca guttularis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995
Essex Field Club	<i>Dithryca guttularis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Docosia moravica</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	4	1984
Essex Field Club	<i>Dolichopus andalusiacus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Dolichopus claviger</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6178	1	1974
Essex Field Club	<i>Dolichopus pennatus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6178	1	1974
Essex Field Club	<i>Dolichopus subpennatus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Wouldhams Quarry	TQ6079	1	1987
Essex Field Club	<i>Dolichovespula norvegica</i>	insect - hymenopteran	Norwegian Wasp	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Drapetis exilis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Drapetis exilis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Drapetis infitialis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Drosophila busckii</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2014
Essex Field Club	<i>Drosophila hydei</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2014
Essex Field Club	<i>Drosophila melanogaster</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2014
Essex Field Club	<i>Ectemnius dives</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Ectemnius dives</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	4	1995

Essex Field Club	<i>Ectemnius dives</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Titan Works Quarry, south	TQ614783	1	2015
Essex Field Club	<i>Ectemnius lituratus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Ectemnius lituratus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Ectemnius lituratus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Ectemnius lituratus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Ectemnius lituratus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	4	1985
Essex Field Club	<i>Ectemnius sexcinctus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1984
Essex Field Club	<i>Ectemnius sexcinctus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Ectemnius sexcinctus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Ectoedemia arcuatella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Ectoedemia decentella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Ectoedemia rubivora</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1981
Essex Field Club	<i>Edwardsiana ishidai</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Elachista obliquella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Elachista obliquella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Elachista triatomea</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Eluma purpurascens</i>	woodlouse	a pill woodlouse	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005

Essex Field Club	<i>Emmetia angusticollella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Emmetia angusticollella</i>	insect - moth		Essex Red Data List: pListed	Grays	TQ6078	1	1980
Essex Field Club	<i>Empis digramma</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Empis nigratarsis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	5	1984
Essex Field Club	<i>Empis nigratarsis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6178	3	1987
Essex Field Club	<i>Empis nigratarsis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	2	2008
Essex Field Club	<i>Empis woodi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1984
Essex Field Club	<i>Empis woodi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6178	1	1984
Essex Field Club	<i>Endothenia nigricostana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Ensina sonchi</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Ensina sonchi</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Ensina sonchi</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Entelecara flavipes</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	2	1986
Essex Field Club	<i>Entelecara flavipes</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Epermenia profugella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Ephestia parasitella</i>	insect - moth		Essex Red Data List: Listed	Grays Thurrock, 32 Lodge Lane	TQ624793	1	2011

Essex Field Club	<i>Epichnopterix plumella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Epichnopterix plumella</i>	insect - moth		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Epilobium obscurum</i>	flowering plant	Short-fruited Willowherb	Essex Red Data List: Listed	Grays, Devonshire Road	TQ600781	1	2014
Essex Field Club	<i>Epilobium obscurum</i>	flowering plant	Short-fruited Willowherb	Essex Red Data List: Listed	Thurrock, Grays	TQ6278	1	2009
Essex Field Club	<i>Epinotia tenerana</i>	insect - moth	Nut Bud Moth	Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Epipactis helleborine</i>	flowering plant	Broad-leaved Helleborine	Essex Red Data List: Listed	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Epitrix atropae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays chalk-pit	TQ67	1	1999
Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Essex Red Data List: Listed	TQ624783	TQ624783	7	1991
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Essex Red Data List: Listed	TQ608785	TQ608785	8	1997
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2005
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Essex Red Data List: Listed	TQ602795	TQ602795	7	2007
Essex Field Club	<i>Ero aphana</i>	spider (Araneae)		Essex Red Data List: pListed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Ero aphana</i>	spider (Araneae)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Ero aphana</i>	spider (Araneae)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (front garden)	TQ624793	1	2015
Essex Field Club	<i>Ero tuberculata</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2011
Essex Field Club	<i>Erodium moschatum</i>	flowering plant	Musk Stork's-bill	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014

Essex Field Club	<i>Erynnis tages</i>	insect - butterfly	Dingy Skipper	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Estheria cristata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	2	2014
Essex Field Club	<i>Estheria cristata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Eudorylas obliquus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1984
Essex Field Club	<i>Euleioptilus carphodactyla</i>	insect - moth		Essex Red Data List: Listed	Grays	TQ6177	1	1983
Essex Field Club	<i>Euleioptilus carphodactyla</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	3	1986
Essex Field Club	<i>Eupeodes bucculatus</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1986
Essex Field Club	<i>Eupeodes bucculatus</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Warren Farm Chalk Quarry	TQ600790	1	1986
Essex Field Club	<i>Eupithecia haworthiata</i>	insect - moth	Haworth's Pug	Essex Red Data List: Listed	Tilbury	TQ67	1	1980
Essex Field Club	<i>Eupithecia haworthiata</i>	insect - moth	Haworth's Pug	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Eupithecia inturbata</i>	insect - moth	Maple Pug	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Eupoecilia angustana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Eurygaster maura</i>	insect - true bug (Hemiptera)	Scarce Tortoise Shieldbug	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Eurygaster maura</i>	insect - true bug (Hemiptera)	Scarce Tortoise Shieldbug	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Eurygaster maura</i>	insect - true bug (Hemiptera)	Scarce Tortoise Shieldbug	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Eustalomyia hilaris</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Euthycera fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Euthycera fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Euthycera fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Euthycera fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Euthyneura halidayi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Fannia postica</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Fannia umbrosa</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Forficula lesnei</i>	insect - orthopteran		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	4	2014
Essex Field Club	<i>Forficula lesnei</i>	insect - orthopteran		Essex Red Data List: Listed	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Forficula lesnei</i>	insect - orthopteran		Essex Red Data List: Listed	Chafford Gorges EssexWT. Sand Martin Cliff	TQ607792	1	2005
Essex Field Club	<i>Forficula lesnei</i>	insect - orthopteran		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	5	2014
Essex Field Club	<i>Forficula lesnei</i>	insect - orthopteran		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Forficula lesnei</i>	insect - orthopteran		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	6	2014

Essex Field Club	<i>Forficula lesnei</i>	insect - orthopteran		Essex Red Data List: Listed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	2	2014
Essex Field Club	<i>Frangula alnus</i>	flowering plant	Alder Buckthorn	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Fumaria capreolata</i>	flowering plant	White Ramping-fumitory	Essex Red Data List: Listed	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Gelechia sororculella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Geranium rotundifolium</i>	flowering plant	Round-leaved Crane's-bill	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Geranium rotundifolium</i>	flowering plant	Round-leaved Crane's-bill	Essex Red Data List: Listed	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Geranium rotundifolium</i>	flowering plant	Round-leaved Crane's-bill	Essex Red Data List: Listed	Grays Chalk Quarry and sites nearby	TQ6079	1	2010
Essex Field Club	<i>Geranium rotundifolium</i>	flowering plant	Round-leaved Crane's-bill	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Glocianus distinctus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Gnaphalium luteoalbum</i>	flowering plant	Jersey Cudweed	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Goniglossum wiedemanni</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	5	2015
Essex Field Club	<i>Gorytes laticinctus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2008
Essex Field Club	<i>Grapholita internana</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Gronops lunatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1987
Essex Field Club	<i>Gymnomerus laevipes</i>	insect - hymenopteran	a mason wasp	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Gymnomus caesius</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1982

Essex Field Club	<i>Gymnopternus celer</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Hadena perplexa</i>	insect - moth	Tawny Shears	Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Halictus confusus</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Harpactea rubicunda</i>	spider (Araneae)		Essex Red Data List: Listed	Tilbury	TQ67	1	1988
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	2	2000
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2004
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Hecatera dysodea</i>	insect - moth	Small Ranunculus	Essex Red Data List: Listed	Grays, Boscombe Ave	TQ6278	1	2000
Essex Field Club	<i>Hedychridium roseum</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1996
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	2	1996
Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008

Essex Field Club	<i>Hedychrum niemelai</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	7	2014
Essex Field Club	<i>Helianthemum nummularium</i>	flowering plant	Common Rock-rose	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Helianthemum nummularium</i>	flowering plant	Common Rock-rose	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland)	TQ608789	1	2008
Essex Field Club	<i>Helina maculipennis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Heliophobus reticulata</i>	insect - moth	Bordered Gothic	Essex Red Data List: Listed	Grays, High View Ave.	TQ6278	1	1987
Essex Field Club	<i>Helleborus foetidus</i>	flowering plant	Stinking Hellebore	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Helochares lividus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Helochares lividus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Helochares lividus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	1	2008
Essex Field Club	<i>Helophorus alternans</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Heriades truncorum</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	17	2013
Essex Field Club	<i>Herina frondescentiae</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Herina lugubris</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Herina lugubris</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Herina lugubris</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	3	2008

Essex Field Club	<i>Herina lugubris</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Herina nigrina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Herina nigrina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Herina nigrina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	2	2014
Essex Field Club	<i>Herina nigrina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Herina nigrina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6078	3	1985
Essex Field Club	<i>Herina nigrina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Heteromyza oculata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Heterostylodes pratensis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1996
Essex Field Club	<i>Hieracium salticola</i>	flowering plant	Bluish-leaved Hawkweed	Essex Red Data List: Listed	Grays Chalk Quarry N.R., sector EWT (2b)	TQ6078	1	2007
Essex Field Club	<i>Hilara brevistyla</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Hilara brevistyla</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Hilara galactoptera</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	4	1984
Essex Field Club	<i>Hilara galactoptera</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Wouldhams Quarry	TQ6079	1	1987
Essex Field Club	<i>Hilara longifurca</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ608791	1	1999

Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ606793	1	1999
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ67E	1	2000
Essex Field Club	<i>Hipparchia semele</i>	insect - butterfly	Grayling	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ608788	1	2001
Essex Field Club	<i>Hippophae rhamnoides</i>	flowering plant	Sea-buckthorn	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Homoneura thalhammeri</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Homoneura thalhammeri</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Homoneura thalhammeri</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	2	2014
Essex Field Club	<i>Homoneura thalhammeri</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Hoplia philanthus</i>	insect - beetle (Coleoptera)	Welsh Chafer	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Hoplitis claviventris</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Hoplitis claviventris</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Hoplitis claviventris</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Hoplitis claviventris</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Hydroglyphus geminus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994

Essex Field Club	<i>Hydrotaea albipuncta</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Hygrotus parallelogrammus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Hylaeus cornutus</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Hylaeus pectoralis</i>	insect - hymenopteran	a solitary bee	Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	2	2011
Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Essex Red Data List: Listed	Clockhouse Clifftop	TQ601791	1	2006
Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Essex Red Data List: Listed	Lt. Thurrock Marshes	TQ625773	1	1995
Essex Field Club	<i>Hylaeus signatus</i>	insect - hymenopteran	Large Yellow-faced Bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	4	1997
Essex Field Club	<i>Hylemya variata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1997
Essex Field Club	<i>Hypera fuscocinerea</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005

Essex Field Club	<i>Iassus scutellaris</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Inula conyzae</i>	flowering plant	Ploughman's-spike nard	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1g	TQ6178	1	2007
Essex Field Club	<i>Inula conyzae</i>	flowering plant	Ploughman's-spike nard	Essex Red Data List: Listed	Grays, Palmer's College area	TQ6378	1	2013
Essex Field Club	<i>Inula conyzae</i>	flowering plant	Ploughman's-spike nard	Essex Red Data List: Listed	Grays Chalk Quarry N.R., sector EWT (2b)	TQ6078	1	2007
Essex Field Club	<i>Inula conyzae</i>	flowering plant	Ploughman's-spike nard	Essex Red Data List: Listed	Thurrock A1089	TQ6377	1	2012
Essex Field Club	<i>Inula conyzae</i>	flowering plant	Ploughman's-spike nard	Essex Red Data List: Listed	Grays Chalk Quarry and sites nearby	TQ6079	1	2010
Essex Field Club	<i>Inula conyzae</i>	flowering plant	Ploughman's-spike nard	Essex Red Data List: Listed	Grays, Devonshire Road	TQ600781	1	2014
Essex Field Club	<i>Inula conyzae</i>	flowering plant	Ploughman's-spike nard	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Inula crithmoides</i>	flowering plant	Golden-samphire	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Kalcapion semivittatum</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1967
Essex Field Club	<i>Lamproscatella sibilans</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1977
Essex Field Club	<i>Lasioglossum brevicorne</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Lasioglossum cupromicans</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005

Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Lasioglossum pauperatum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Lasioglossum pauxillum</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Lasioglossum puncticolle</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1995
Essex Field Club	<i>Lasioglossum puncticolle</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Lasioglossum rufitarse</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995

Essex Field Club	<i>Lasioglossum rufitarse</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1996
Essex Field Club	<i>Lasioglossum xanthopus</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	1	2011
Essex Field Club	<i>Lasius brunneus</i>	insect - hymenopteran	an ant	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Lasius platythorax</i>	insect - hymenopteran	an ant	Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Lasius umbratus</i>	insect - hymenopteran	an ant	Essex Red Data List: pListed	Grays Thurrock, 32 Lodge Lane	TQ624793	1	1997
Essex Field Club	<i>Laspeyria flexula</i>	insect - moth	Beautiful Hook-tip	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Lathyrus aphaca</i>	flowering plant	Yellow Vetchling	Essex Red Data List: Listed	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Lathyrus aphaca</i>	flowering plant	Yellow Vetchling	Essex Red Data List: Listed	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Lathyrus aphaca</i>	flowering plant	Yellow Vetchling	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1d	TQ608791	1	2007
Essex Field Club	<i>Leiodes rugosa</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Lepidium latifolium</i>	flowering plant	Dittander	Essex Red Data List: Listed	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Lepidium latifolium</i>	flowering plant	Dittander	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Lepidium latifolium</i>	flowering plant	Dittander	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	6	2014
Essex Field Club	<i>Leptophloeus clematidis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Lestes dryas</i>	insect - dragonfly (Odonata)	Scarce Emerald Damselfly	Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010

Essex Field Club	<i>Leucophora cinerea</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Leucophora obtusa</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1996
Essex Field Club	<i>Leucophora personata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Leucozona glaucia</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Limonia maculipennis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Liriomyza richteri</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Lispe pygmaea</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Lispocephala falculata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Lomechusa emarginata</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	near Tilbury Fort	TQ67	1	1995
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1967
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	1	2009
Essex Field Club	<i>Longitarsus ballotae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Titan Works Quarry, sand faces	TQ613784	1	2015
Essex Field Club	<i>Longitarsus dorsalis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (front garden)	TQ624793	1	2006
Essex Field Club	<i>Longitarsus dorsalis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010

Essex Field Club	<i>Longitarsus ochroleucus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1978
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Longitarsus parvulus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Longitarsus quadriguttatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury	TQ67	1	1997
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Essex BAP: EBAP, Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2009
EFC Schemes	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Essex BAP: EBAP, Essex Red Data List: Listed	Hangman's Wood	TQ630793	1	2015
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Essex BAP: EBAP, Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Essex BAP: EBAP, Essex Red Data List: Listed	Grays, Lodge Lane	TQ624792	1	2012
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Essex BAP: EBAP, Essex Red Data List: Listed	Grays Thurrock, street	TQ623786	1	2002
Essex Field Club	<i>Lucanus cervus</i>	insect - beetle (Coleoptera)	Stag Beetle	Essex BAP: EBAP, Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Macaroeris nidicolens</i>	spider (Araneae)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008

Essex Field Club	<i>Macquartia tenebricosa</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Macquartia tenebricosa</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Macrocera stigma</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6078	1	1977
Essex Field Club	<i>Macrocera stigma</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Macrocera stigma</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Macrocera stigmoides</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	5	1984
Essex Field Club	<i>Madiza pachymera</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Malthinus balteatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Malthinus balteatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Mangora acalypha</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	3	2014
Essex Field Club	<i>Mangora acalypha</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Mangora acalypha</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Marrubium vulgare</i>	flowering plant	White Horehound	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	1	1997
Essex Field Club	<i>Marrubium vulgare</i>	flowering plant	White Horehound	Essex Red Data List: Listed	Tilbury, Ferry Fields	TQ6475	1	1995
Essex Field Club	<i>Megachile dorsalis</i>	insect - hymenopteran	Silvery Leaf-cutter Bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	2	1995

Essex Field Club	<i>Megalephyphantes collinus occidentalis</i>	spider (Araneae)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2012
Essex Field Club	<i>Megalephyphantes collinus occidentalis</i>	spider (Araneae)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (house)	TQ624793	4	2015
Essex Field Club	<i>Megalephyphantes nebulosus</i>	spider (Araneae)		Essex Red Data List: pListed	Grays Thurrock, 9 Kent Road	TQ622779	7	1990
Essex Field Club	<i>Megalephyphantes nebulosus</i>	spider (Araneae)		Essex Red Data List: pListed	Grays Thurrock,9 Kent Road	TQ622779	6	1990
Essex Field Club	<i>Megalonotus antennatus</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Megaselia melanocephala</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1982
Essex Field Club	<i>Megaselia pseudogiraudii</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1982
Essex Field Club	<i>Megaselia simulans</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1982
Essex Field Club	<i>Meioneta simplicitarsis</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2006
Essex Field Club	<i>Melanagromyza aeneoventris</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1984
Essex Field Club	<i>Melanargia galathea</i>	insect - butterfly	Marbled White	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ608788	1	1997
Essex Field Club	<i>Melanargia galathea</i>	insect - butterfly	Marbled White	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ6178	5	1992
Essex Field Club	<i>Melanargia galathea</i>	insect - butterfly	Marbled White	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ609788	3	1992
Essex Field Club	<i>Melanargia galathea</i>	insect - butterfly	Marbled White	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	3	1991
Essex Field Club	<i>Melanargia galathea</i>	insect - butterfly	Marbled White	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ611787	5	1993
Essex Field Club	<i>Melangyna umbellatarum</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Melangyna umbellatarum</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1981

Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ609786	TQ609786	8	1999
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ612795	TQ612795	7	2008
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ633782	TQ633782	5	2009
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ611786	TQ611786	5	2013
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	Grays Thurrock, Bradleigh Avenue	TQ619784	1	2015
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ631782	TQ631782	6	1996
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ608785	TQ608785	8	1997
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ638798	TQ638798	5	2011
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ611789	TQ611789	7	1997
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	Grays, Devonshire Road	TQ600781	1	2014
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TQ633772	TQ633772	4	1997
Essex Field Club	<i>Meligethes rotundicollis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Meligethes umbrosus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Meligethes umbrosus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, NW open area (regenerating scrub)	TQ608790	1	2008

Essex Field Club	<i>Meligethes umbrosus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Melitta haemorrhoidalis</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	20	2014
Essex Field Club	<i>Melitta leporina</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Melitta leporina</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Melitta leporina</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2014
Essex Field Club	<i>Melitta leporina</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1995
Essex Field Club	<i>Melitta leporina</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	3	1997
Essex Field Club	<i>Melitta leporina</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2004
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	2	1998
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2014
Essex Field Club	<i>Melitta tricincta</i>	insect - hymenopteran	a mining bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	2	1993
Essex Field Club	<i>Meoneura lacteipennis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Meromyza bohemica</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1996

Essex Field Club	<i>Meromyza bohemica</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Merrifieldia baliodactylus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	3	1987
Essex Field Club	<i>Merrifieldia baliodactylus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ608785	1	1980
Essex Field Club	<i>Merzomyia westermanni</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Merzomyia westermanni</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Merzomyia westermanni</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Meta menardi</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ608787	2	1988
Essex Field Club	<i>Meta menardi</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit (tunnel)	TQ608786	1	2011
Essex Field Club	<i>Metopina galeata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Metopomyza flavonotata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Micrargus apertus</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ6079	2	1986
Essex Field Club	<i>Micrargus apertus</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ6078	2	1986
Essex Field Club	<i>Microdynerus exilis</i>	insect - hymenopteran	a mason wasp	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Mimesa bruxellensis</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Mimesa lutarius</i>	insect - hymenopteran		Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Minettia plumicornis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Mompha sturnipennella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1981
Essex Field Club	<i>Monochroa palustrella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1981
Essex Field Club	<i>Mordellistena acuticollis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Mordellistena neuwaldeggiana</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Mosillus subsultans</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Muscina stabulans</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Mutilla europaea</i>	insect - hymenopteran	Large Velvet Ant	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Mycetophila curviseta</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	2	1981
Essex Field Club	<i>Mycomya cinerascens</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	2	1981
Essex Field Club	<i>Myosotis ramosissima</i>	flowering plant	Early Forget-me-not	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	Grays Deneholes SSSI	TQ631793	2	2014
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ630794	TQ630794	5	2006
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ608787	TQ608787	15	2014
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	Grays Chalk Quarries (Grays Tunnel)	TQ611787	8	2014
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ611787	TQ611787	35	2014
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	Grays Tunnel	TQ609788	1	2015

Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ631793	TQ631793	6	2004
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	Chafford Tunnel	TQ600786	2	2015
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ608788	TQ608788	8	2011
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	Grays Deneholes	TQ631793	1	2008
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ630793	TQ630793	8	2013
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ601781	TQ601781	8	1986
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	Grays, Deneholes, Hangmans Wood	TQ631793	2	2007
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ631794	TQ631794	13	2013
Essex Bat Group	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	Grays Chalk Quarries (Grays Bunker)	TQ608787	3	2014
Essex Field Club	<i>Myotis daubentonii</i>	terrestrial mammal	Daubenton's Bat	Essex Red Data List: Listed	TQ610788	TQ610788	7	2011
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Grays Tunnel	TQ609788	1	2015
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ611789	TQ611789	5	2013
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Chafford Tunnel	TQ600786	1	2015
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ601781	TQ601781	8	1987
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ631793	TQ631793	6	2004
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Grays Deneholes	TQ631793	1	2008
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ610788	TQ610788	7	2011

Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Grays, Deneholes, Hangmans Wood	TQ631793	3	2007
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ630793	TQ630793	8	2013
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Grays Chalk Quarries (Grays Bunker)	TQ608787	1	2011
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ608787	TQ608787	5	2011
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ631794	TQ631794	13	2013
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Grays Deneholes SSSI	TQ631793	2	2014
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ611787	TQ611787	30	2014
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ630794	TQ630794	5	2006
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Grays Chalk Quarries (Grays Tunnel)	TQ611787	7	2014
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TQ608788	TQ608788	16	2011
Essex Field Club	<i>Myrmica schencki</i>	insect - hymenopteran	an ant	Essex Red Data List: Listed	Grays Chalk Pit	TQ609789	4	1987
Essex Field Club	<i>Mythimna l-album</i>	insect - moth	L-album Wainscot	Essex Red Data List: Listed	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Nemophora fasciella</i>	insect - moth		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Neoascia interrupta</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	1	2008
Essex Field Club	<i>Neohaplegis glabra</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Neoitamus cyanurus</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Neoleria maritima</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Neottia nidus-avis</i>	flowering plant	Bird's-nest Orchid	Essex Red Data List: Listed	Grays Chalk Quarry and sites nearby	TQ6079	1	2010
Essex Field Club	<i>Neottia nidus-avis</i>	flowering plant	Bird's-nest Orchid	Essex Red Data List: Listed	Thurrock, Grays, Disused chalk quarry	TQ6078	1	2011
Essex Field Club	<i>Neottiophilum praeustum</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays, 32 Lodge Lane (house)	TQ624793	1	2003
Essex Field Club	<i>Neurigona pallida</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock, Finchley Road	TQ616779	1	1989
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock	TQ623783	2	1989
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	6	2015
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock, Finchley Road	TQ616779	1	1989
Essex Field Club	<i>Nigma walckenaeri</i>	spider (Araneae)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Nigrotipula nigra</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Nigrotipula nigra</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ6079	1	1987
Essex Field Club	<i>Nigrotipula nigra</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	2	1997
Essex Field Club	<i>Nitela lucens</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Grays Thurrock, 32 Lodge Lane	TQ624793	1	1998
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	3	2005
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	1993
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Nomada flavopicta</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	3	2011
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1996
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	2	1985
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	West Tilbury, Broom Hill	TQ6277	1	2010
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	2	1996
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	5	2014
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	2	1995
Essex Field Club	<i>Nomada fucata</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	2	1993
Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Chalk Pit	TQ6179	1	1993
Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	3	1995
Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Clockhouse Clifftop	TQ601791	1	2006

Essex Field Club	<i>Nomada fulvicornis</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2008
Essex Field Club	<i>Nomada sheppardana</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1997
Essex Field Club	<i>Notiophilus quadripunctatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Nyctalus leisleri</i>	terrestrial mammal	Leisler's Bat / Lesser Noctule Bat	Essex Red Data List: Listed	TQ611789	TQ611789	5	2013
Essex Field Club	<i>Nyctalus leisleri</i>	terrestrial mammal	Leisler's Bat / Lesser Noctule Bat	Essex Red Data List: Listed	TQ620780	TQ620780	7	1993
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Essex Red Data List: Listed	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Essex Red Data List: Listed	TQ603783	TQ603783	8	2004
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Essex Red Data List: Listed	TQ647763	TQ647763	2	1995
Essex Field Club	<i>Nysson trimaculatus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Nysson trimaculatus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Ochlerotatus caspius</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1984
Essex Field Club	<i>Ochsenheimeria urella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Ochthebius marinus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Odontomyia tigrina</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Odynerus melanocephalus</i>	insect - hymenopteran	Black Headed Mason Wasp	Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	1	2011

Essex Field Club	<i>Oegoconia caradjai</i>	insect - moth		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2012
Essex Field Club	<i>Oegoconia caradjai</i>	insect - moth		Essex Red Data List: Listed	Grays	TQ6178	1	1983
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	7	2014
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Little Thurrock Marshes (grassland)	TQ629773	1	2009
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Titan Works Quarry, south	TQ614783	1	2015
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	2	2008
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Belmont Road allotment site	TQ605780	1	2003
Essex Field Club	<i>Olibrus flavicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Omalium rugatum</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Oncocera semirubella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ6079	1	1982

Essex Field Club	<i>Oncocera semirubella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609788	1	2010
Essex Field Club	<i>Oncocera semirubella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Onthophagus vacca</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Oonops domesticus</i>	spider (Araneae)		Essex Red Data List: pListed	Grays Thurrock, 9 Kent Road	TQ622779	1	1992
Essex Field Club	<i>Oonops domesticus</i>	spider (Araneae)		Essex Red Data List: pListed	Grays Thurrock,9 Kent Road	TQ622779	1	1992
Essex Field Club	<i>Ophonus ardosiacus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Ophonus azureus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Ophonus puncticollis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1920
Essex Field Club	<i>Ophonus schaubergerianus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1J	TQ6178	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R., upper ledge EWT sector 1e	TQ6078	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1g	TQ6178	1	2007

Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. EWT sector (2e)	TQ6079	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge area, sector EWT 1c	TQ607790	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry, lower ledge NW (1a)	TQ605789	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1h	TQ6178	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. sector EWT2a	TQ6178	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R., sector EWT (2b)	TQ6078	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge EWT sector 1d	TQ608791	1	2007
Essex Field Club	<i>Origanum vulgare</i>	flowering plant	Wild Marjoram	Essex Red Data List: Listed	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Oropezella sphenoptera</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	5	1984
Essex Field Club	<i>Oropezella sphenoptera</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6078	1	1974
Essex Field Club	<i>Orthochaetes setiger</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Orthochaetes setiger</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Orthoperus brunripes</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995

Essex Field Club	<i>Otiorhynchus raucus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Otiorhynchus raucus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Ovendenia lienigianus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1981
Essex Field Club	<i>Ovendenia lienigianus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6078	1	1981
Essex Field Club	<i>Oxyna nebulosa</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Wouldhams Quarry	TQ6079	1	1987
Essex Field Club	<i>Oxyptilus parvidactylus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1981
Essex Field Club	<i>Oxyptilus parvidactylus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ608785	2	1980
Essex Field Club	<i>Oxyptilus parvidactylus</i>	insect - moth		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Pammene aurana</i>	insect - moth		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Pammene aurana</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Parapholis incurva</i>	flowering plant	Curved Hard-grass	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Paratalanta hyalinalis</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Paratalanta hyalinalis</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Pardosa agrestis</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ606790	3	1986
Essex Field Club	<i>Paregle audacula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1996
Essex Field Club	<i>Paregle audacula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014

Essex Field Club	<i>Paregle audacula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	3	1997
Essex Field Club	<i>Parochthiphila spectabilis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Parochthiphila spectabilis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1997
Essex Field Club	<i>Passaloecus clypealis</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	3	1995
Essex Field Club	<i>Pediasia contaminella</i>	insect - moth		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Pegomya bicolor</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Pegomya winthemi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Pelina aenea</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Pelomyiella mallochi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1981
Essex Field Club	<i>Pelomyiella mallochi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Pelomyiella mallochi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Pelomyiella mallochi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Pempelia formosa</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Phaonia trimaculata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Phaulernis dentella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986

Essex Field Club	<i>Phaulernis dentella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1985
Essex Field Club	<i>Pherbellia albocostata</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	3	1985
Essex Field Club	<i>Pherbellia albocostata</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	3	1984
Essex Field Club	<i>Pherbellia scutellaris</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Essex BAP: EBAP, Essex Red Data List: Listed	TQ612773	TQ612773	6	2007
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Essex BAP: EBAP, Essex Red Data List: Listed	TQ606772	TQ606772	7	2011
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Essex BAP: EBAP, Essex Red Data List: Listed	TQ612774	TQ612774	6	2001
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Essex BAP: EBAP, Essex Red Data List: Listed	TQ608774	TQ608774	7	2007
Essex Field Club	<i>Phocoena phocoena</i>	marine mammal	Harbour Porpoise	Essex BAP: EBAP, Essex Red Data List: Listed	TQ645755	TQ645755	2	2005
Essex Field Club	<i>Phora edentata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1982
Essex Field Club	<i>Phorbia fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Phorbia fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Warren Gorge, top of (WG) 1995	TQ600795	1	1995
Essex Field Club	<i>Phorbia fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Phorbia fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1982
Essex Field Club	<i>Phorbia fumigata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Phronia conformis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980

Essex Field Club	<i>Phyllonorycter dubitella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Phyllonorycter lantabella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Phyllonorycter lautella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Phyllonorycter salictella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Phyllonorycter ulicicolella</i>	insect - moth		Essex Red Data List: pListed	Orsett Heath	TQ6379	1	1990
Essex Field Club	<i>Phytoecia cylindrica</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Phytomyptera nigrina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	1995
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP, Essex Red Data List: Listed	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP, Essex Red Data List: Listed	TQ648764	TQ648764	2	1997
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP, Essex Red Data List: Listed	Tilbury	TQ647767	1	2010
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP, Essex Red Data List: Listed	TQ603783	TQ603783	8	2004
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP, Essex Red Data List: Listed	Chafford Tunnel	TQ600786	2	2015
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP, Essex Red Data List: Listed	TQ610788	TQ610788	7	2010
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP, Essex Red Data List: Listed	Grays, 15 Manor Way, RM17 6RN	TQ619773	1	2007
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	Grays	TQ619773	1	2007
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	Grays, 14 Moss Bank, Meesons Lane	TQ605784	1	2006
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	Titan Works, Hogg Lane, Grays	TQ612784	1	2014

Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	Grays	TQ605785	3	2006
Essex Field Club	<i>Pipiza lugubris</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: pListed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2004
Essex Field Club	<i>Pipiza luteitarsis</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	2	1978
Essex Field Club	<i>Pipizella virens</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Pipizella virens</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Pipizella virens</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Platycheirus immarginatus</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1997
Essex Field Club	<i>Platymya fimbriata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Platynaspis luteorubra</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Platypalpus albicornis</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1982
Essex Field Club	<i>Platypalpus albifacies</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Platypalpus albiseta</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Platypalpus albiseta</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ6078	1	2008
Essex Field Club	<i>Platypalpus annulatus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Platypalpus aristatus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	2	1982
Essex Field Club	<i>Platypalpus aristatus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005

Essex Field Club	<i>Platypalpus bilobatus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	4	1984
Essex Field Club	<i>Platypalpus candicans</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Platypalpus candicans</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Platypalpus caroli</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	2	1980
Essex Field Club	<i>Platypalpus cryptospina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, NW open area (regenerating scrub)	TQ608790	1	2008
Essex Field Club	<i>Platypalpus cryptospina</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Platypalpus leucothrix</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6078	1	1977
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TQ630794	TQ630794	5	2006
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	Grays Deneholes SSSI	TQ631793	2	2014
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TQ631794	TQ631794	6	2006
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	Grays Tunnel	TQ609788	1	2015
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	Grays Deneholes	TQ631793	2	2009
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	Grays, Deneholes, Hangmans Wood	TQ631793	1	2007
Essex Field Club	<i>Podagricus fuscicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2007
Essex Field Club	<i>Podagricus fuscicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010

Essex Field Club	<i>Podagrica fuscicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1953
Essex Field Club	<i>Podagrica fuscipes</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	2	2003
Essex Field Club	<i>Podagrica fuscipes</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2008
Essex Field Club	<i>Polygala vulgaris</i>	flowering plant	Common Milkwort	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Ponera coarctata</i>	insect - hymenopteran	an ant	Essex Red Data List: Listed	Grays, 32 Lodge Lane (house)	TQ624793	1	2006
Essex Field Club	<i>Ponera coarctata</i>	insect - hymenopteran	an ant	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Ponera coarctata</i>	insect - hymenopteran	an ant	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Prinerigone vagans</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Prinerigone vagans</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ603792	4	1986
Essex Field Club	<i>Prinerigone vagans</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ608790	5	1985
Essex Field Club	<i>Prinerigone vagans</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605792	1	1985
Essex Field Club	<i>Prinerigone vagans</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	2	2014
Essex Field Club	<i>Prinerigone vagans</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Prinerigone vagans</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry (MINERAL EXTR.)	TQ605792	1	1985
Essex Field Club	<i>Priocnemis cordivalvata</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005

Essex Field Club	<i>Priocnemis gracilis</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Priocnemis schioedtei</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1995
Essex Field Club	<i>Pseudomalus violaceus</i>	insect - hymenopteran	chrysidids & cuckoo wasps	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Pseudoperichaeta nigrolineata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Pseudospinolia neglecta</i>	insect - hymenopteran	a cuckoo wasp	Essex Red Data List: Listed	Clockhouse Clifftop	TQ601791	1	2006
Essex Field Club	<i>Psila fimetaria</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	2	1983
Essex Field Club	<i>Pteromicra glabricula</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1977
Essex Field Club	<i>Pteromicra glabricula</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	1	1984
Essex Field Club	<i>Pterostichus gracilis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1987
Essex Field Club	<i>Pterostichus gracilis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Pyrgus malvae</i>	insect - butterfly	Grizzled Skipper	Essex Red Data List: Listed	Chafford Gorges EWT: Grays Chalk Quarry	TQ6079	1	1991
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Essex Red Data List: Listed	Grays Chalk Quarry N.R. sector EWT2a	TQ6178	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Essex Red Data List: Listed	Grays Chalk Quarry, lower ledge NW (1a)	TQ605789	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Essex Red Data List: Listed	Grays Chalk Quarry, sector EWT (2d)	TQ6078	1	2007
Essex Field Club	<i>Pyrola rotundifolia subsp. rotundifolia</i>	flowering plant		Essex Red Data List: Listed	Grays Chalk Quarry N.R. sector EWT 2c	TQ6079	1	2007

Essex Field Club	<i>Pyrola rotundifolia</i> <i>subsp. rotundifolia</i>	flowering plant		Essex Red Data List: Listed	Grays Chalk Quarry N.R., sector EWT (2b)	TQ6078	1	2007
Essex Field Club	<i>Quedius longicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Raglius alboacuminatus</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	7	2010
Essex Field Club	<i>Rattus rattus</i>	terrestrial mammal	Ship Rat	Essex Red Data List: Listed	TQ631781	TQ631781	4	1940
Essex Field Club	<i>Rattus rattus</i>	terrestrial mammal	Ship Rat	Essex Red Data List: Listed	TQ627765	TQ627765	4	1996
Essex Field Club	<i>Rhagonycha lutea</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Rhagonycha lutea</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Rhyacia simulans</i>	insect - moth	Dotted Rustic	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Ribes nigrum</i>	flowering plant	Black Currant	Essex Red Data List: Listed	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Rumex pulcher</i>	flowering plant	Fiddle Dock	Essex Red Data List: Listed	Chadwell St Mary	TQ6478	1	2013
Essex Field Club	<i>Saarioa firma</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	4	1986
Essex Field Club	<i>Sagina maritima</i>	flowering plant	Sea Pearlwort	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Saldula opacula</i>	insect - true bug (Hemiptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Salix aurita</i>	flowering plant	Eared Willow	Essex Red Data List: Listed	Grays Chalk Quarry, lower ledge NW (1a)	TQ605789	1	2007
Essex Field Club	<i>Salix aurita</i>	flowering plant	Eared Willow	Essex Red Data List: Listed	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Salticus zebraneus</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2010

Essex Field Club	<i>Salticus zebraneus</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit, small pond (edge)	TQ608790	2	2014
Essex Field Club	<i>Salvia verbenaca</i>	flowering plant	Wild Clary	Essex Red Data List: Listed	Chadwell-St-Mary Churchyard	TQ645784	1	2009
Essex Field Club	<i>Salvia verbenaca</i>	flowering plant	Wild Clary	Essex Red Data List: Listed	Tilbury Fort (fort bank)	TQ649752	2	2010
Essex Field Club	<i>Sapromyza hyalinata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Sapromyza hyalinata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Sapromyza hyalinata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Sarcophaga albiceps</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	1	2008
Essex Field Club	<i>Sarcophaga albiceps</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Sarcophaga hirticrus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2005
Essex Field Club	<i>Sarcophaga subulata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Scabiosa columbaria</i>	flowering plant	Small Scabious	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Scabiosa columbaria</i>	flowering plant	Small Scabious	Essex Red Data List: Listed	Grays, amenity grassland	TQ602791	1	2007
Essex Field Club	<i>Schwenckfeldina carbonaria</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Sciapus wiedemanni</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980

Essex Field Club	<i>Sciocoris cursitans</i>	insect - true bug (Hemiptera)	Sand-runner Shieldbug	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Scotopteryx bipunctaria</i>	insect - moth	Chalk Carpet	Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	2011
Essex Field Club	<i>Scotopteryx bipunctaria</i>	insect - moth	Chalk Carpet	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Scrobipalpa atriplicella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Sesia bembeciformis</i>	insect - moth	Lunar Hornet Moth	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Sibinia arenariae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Silis ruficollis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014
Essex Field Club	<i>Sitona macularius</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1967
Essex Field Club	<i>Sitona macularius</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	1	1985
Essex Field Club	<i>Smicromyrme rufipes</i>	insect - hymenopteran	a velvet ant	Essex Red Data List: Listed	The Sand Martin pub cliff	TQ607792	1	2006
Essex Field Club	<i>Smicromyrme rufipes</i>	insect - hymenopteran	a velvet ant	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Smicromyrme rufipes</i>	insect - hymenopteran	a velvet ant	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1985
Essex Field Club	<i>Solieria fenestrata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Solieria pacifica</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Spaelotis ravida</i>	insect - moth	Stout Dart	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995

Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	4	2005
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Sphecodes crassus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Sphecodes reticulatus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1994
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge, Lion Gorge Sand Faces	TQ600787	1	1997
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	The Sand Martin pub cliff	TQ607792	1	2006
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Sphecodes rubicundus</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	1	1995
Essex Field Club	<i>Squamapion flavimanum</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Steatoda grossa</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (house)	TQ624793	2	2013
Essex Field Club	<i>Stelis punctulatissima</i>	insect - hymenopteran	a cuckoo bee	Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1996

Essex Field Club	<i>Stellaria pallida</i>	flowering plant	Lesser Chickweed	Essex Red Data List: Listed	Little Thurrock, Woodside School area	TQ6379	1	2013
Essex Field Club	<i>Stellaria pallida</i>	flowering plant	Lesser Chickweed	Essex Red Data List: Listed	Thurrock, Chadwell St. Mary	TQ6479	1	2013
Essex Field Club	<i>Stellaria pallida</i>	flowering plant	Lesser Chickweed	Essex Red Data List: Listed	Grays, east of Rectory Road	TQ6278	1	2013
Essex Field Club	<i>Stellaria pallida</i>	flowering plant	Lesser Chickweed	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Stenolophus teutonius</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2005
Essex Field Club	<i>Stenoptilia zophodactylus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1982
Essex Field Club	<i>Stenoptilia zophodactylus</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ608785	1	1987
Essex Field Club	<i>Stenus carbonarius</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Stephensia brunnichella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	2	1993
Essex Field Club	<i>Stigmella betulicola</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Stigmella splendidissimella</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Stigmella suberivora</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1993
Essex Field Club	<i>Stratiomys singularior</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Tilbury Fort	TQ6475	1	2003
Essex Field Club	<i>Subhylemyia longula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Syedra gracilis</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ6079	2	1986
Essex Field Club	<i>Symmorphus gracilis</i>	insect - hymenopteran	a mason wasp	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	3	2015
Essex Field Club	<i>Sympetrum sanguineum</i>	insect - dragonfly (Odonata)	Ruddy Darter	Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010

Essex Field Club	<i>Sympetrum sanguineum</i>	insect - dragonfly (Odonata)	Ruddy Darter	Essex Red Data List: Listed	Essex	TQ609790	1	2000
Essex Field Club	<i>Synanthedon andrenaeformis</i>	insect - moth	Orange-tailed Clearwing	Essex Red Data List: Listed	Grays Chalk Pit	TQ6178	1	2003
Essex Field Club	<i>Syncopacma taeniolella</i>	insect - moth		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Tilbury Riverside: Area A, Ferry Fields (centroid)	TQ646756	1	1994
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1980
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605790	2	1987
Essex Field Club	<i>Tachinus flavolimbatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	1	1985
Essex Field Club	<i>Tachydromia connexa</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1983
Essex Field Club	<i>Tachydromia smithi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2008
Essex Field Club	<i>Tanymecus palliatus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays	TQ67	1	1955
Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ606789	2	1986
Essex Field Club	<i>Tetragnatha pinicola</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6179	2	1986
Essex Field Club	<i>Tettigonia viridissima</i>	insect - orthopteran	Great Green Bush Cricket	Essex Red Data List: Listed	Tilbury Fort	TQ6475	3	2004
Essex Field Club	<i>Thelaira solivaga</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005

Essex Field Club	<i>Theridion blackwalli</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (house)	TQ624793	1	2006
Essex Field Club	<i>Theridion blackwalli</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	3	2011
Essex Field Club	<i>Thiotricha subocellea</i>	insect - moth		Essex Red Data List: pListed	Grays Chalk Pit	TQ6079	1	1982
Essex Field Club	<i>Tilia platyphyllos</i>	flowering plant	Large-leaved Lime	Essex Red Data List: Listed	Tilbury approach A126	TQ6477	1	2012
Essex Field Club	<i>Tinea columbariella</i>	insect - moth		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Tiphia minuta</i>	insect - hymenopteran	The Small Tiphia	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	1	1995
Essex Field Club	<i>Tipula peliostigma</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	2005
Essex Field Club	<i>Tipula scripta</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Tomosvaryella kuthyi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	2	1997
Essex Field Club	<i>Tomosvaryella kuthyi</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1997
Essex Field Club	<i>Trachysiphonella scutellata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A) 1995-7	TQ606793	3	1997
Essex Field Club	<i>Trachysiphonella scutellata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Quarry (GQ)	TQ604788	1	1995
Essex Field Club	<i>Trachysiphonella scutellata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Lion Gorge (LG)	TQ600787	2	1996
Essex Field Club	<i>Trachyzelotes pedestris</i>	spider (Araneae)		Essex Red Data List: Listed	Tilbury Marshes	TQ6377	1	2011
Essex Field Club	<i>Trichina opaca</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Pit	TQ6078	1	1977
Essex Field Club	<i>Trifolium glomeratum</i>	flowering plant	Clustered Clover	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015

Essex Field Club	<i>Trifolium resupinatum</i>	flowering plant	Reversed Clover	Essex Red Data List: Listed	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Triglyphus primus</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Triglyphus primus</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Tychius pusillus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1984
Essex Field Club	<i>Typhochrestus digitatus</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ606790	2	1987
Essex Field Club	<i>Urophora solstitialis</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, NW open area (regenerating scrub)	TQ608790	1	2008
Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	4	2014
Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, W open area (regenerating scrub)	TQ607789	4	2008
Essex Field Club	<i>Variimorda villosa</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	2	2008
Essex Field Club	<i>Verbena officinalis</i>	flowering plant	Vervain	Essex Red Data List: Listed	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Viscum album</i>	flowering plant	Mistletoe	Essex Red Data List: Listed	Thurrock College grounds	TQ636787	1	2009
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	6	2011
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	2	1987
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Town Wharf, Grays	TQ614773	1	2003

Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2014
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Quarry	TQ607791	1	1987
Essex Field Club	<i>Volucella inanis</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Ferry Fields, Tilbury	TQ6475	2	1994
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Quarry	TQ607791	2	1987
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	2	2014
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	4	1987
Essex Field Club	<i>Volucella zonaria</i>	insect - true fly (Diptera)	a hoverfly	Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	8	2009
Essex Field Club	<i>Xanthia gilvago</i>	insect - moth	Dusky-lemon Sallow	Essex Red Data List: Listed	Grays	TQ6177	1	1980
Essex Field Club	<i>Xanthia ocellaris</i>	insect - moth	Pale-lemon Sallow	Essex Red Data List: Listed	Grays	TQ6177	1	1980
Essex Field Club	<i>Xanthochlorus galbanus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	1	2005
Essex Field Club	<i>Xanthochlorus galbanus</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Xestia baja</i>	insect - moth	Dotted Clay	Essex Red Data List: Listed	Grays Chalk Pit	TQ607788	1	1986
Essex Field Club	<i>Xylocleptes bispinus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ607791	8	2014
Essex Field Club	<i>Xylocleptes bispinus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	2	2014
Essex Field Club	<i>Xylocleptes bispinus</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014

Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2014
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1988
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6078	2	1986
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ609789	1	2008
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	1	1988
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ608791	2	1985
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ6078	2	2008
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Lion Gorge (LG)	TQ600787	1	2005
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	1	2012
Essex Field Club	<i>Zilla diodia</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit, lower pit, (sallow carr)	TQ609790	1	2008
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ607790	3	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock (POSTINDUSTRIAL)	TQ620776	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605793	1	1986

Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ610790	7	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock,9 Kent Road	TQ622779	3	1991
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ606790	5	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Ferry Fields, Tilbury: Pitfall 1,2,3, R Path	TQ6475	1	1995
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ602792	3	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ609789	2	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock, 32 Lodge Lane	TQ624793	2	2000
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ605794	5	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	2	2014
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ6177	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (front garden)	TQ624793	1	2008
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry (MINERAL EXTR.)	TQ604791	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Ferry Fields,Tilbury: Pitfall 1,2,3,R Path	TQ6475	1	1995
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock	TQ620776	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ604791	2	1986

Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit	TQ609790	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Thurrock, 9 Kent Road	TQ622779	3	1991
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Wouldhams Quarry	TQ606789	5	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Chafford Hundred, Warren Farm Quarry	TQ600790	1	1985
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays Chalk Pit (CARR/SWAMP)	TQ609790	1	1986
Essex Field Club	<i>Zodarion italicum</i>	spider (Araneae)		Essex Red Data List: Listed	Grays, 32 Lodge Lane (garden)	TQ624793	2	2006
Essex Field Club	<i>Zodion cinereum</i>	insect - true fly (Diptera)		Essex Red Data List: Listed	Grays Chalk Quarry	TQ609789	1	1980
Essex Field Club	<i>Zophomyia temula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	1	2008
Essex Field Club	<i>Zophomyia temula</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	1	2014

21. Invasive Species

Information about invasive species

Invasive species may threaten habitats and species with biodiversity and nature conservation value. Where invasive species are present, action may or may not be appropriate to control their spread or to eliminate them from sites and habitats.

Invasive Species Action Plans are used to help coordinate the response to key invasive non-native species across England, Scotland and Wales. The plans provide a short and strategic overview identifying the key aims, objectives and actions. They can be seen on the Defra website at <https://secure.fera.defra.gov.uk/nonnativespecies/index.cfm?sectionid=92>

Action on invasive species

The appropriate response to the presence of an invasive species will vary depending on the species and the degree to which it is or may in the future cause damage to the ecology at the location.

Identification of invasive species

Identification of invasive non-native species is an essential part of invasive species management and guidance can be found on the Defra website at <https://secure.fera.defra.gov.uk/nonnativespecies/index.cfm?sectionid=47>

Invasive species records

Most existing records of invasive species in Essex are made during general recording, although there are plans to encourage targeted recording of these species in the future.

Where you have records of invasive species for the search area, please submit them to us by email to datasearch@essexfieldclub.org.uk or via our website at www.essexfieldclub.org.uk

Where invasive species have been recorded, their records are summarised in the following table.

Invasive Species

Source	Taxon	Group	Vernacular	Location	Position	Records	Latest
Essex Field Club	<i>Drosophila suzukii</i>	flies (other)	Spotted-wing drosophila	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
Essex Field Club	<i>Drosophila suzukii</i>	flies (other)	Spotted-wing drosophila	Grays, 32 Lodge Lane (garden)	TQ624793	1	2014
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Grays, Devonshire Road	TQ60047819	1	2014
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Thurrock:Grays: ARWallace home and garden	TQ617785	1	2015
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Grays, Thurrock Park Estate	TQ6277	1	2013
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Thurrock, Tilbury	TQ6475	1	2009
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Grays, east of Rectory Road	TQ6278	1	2013
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Tilbury Fort and World's End area	TQ6475	1	2011
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Thurrock A1089	TQ6377	1	2012
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Grays, Sockett's Heath	TQ6279	1	2013
Essex Field Club	<i>Fallopia baldschuanica</i>	flowering plant	Russian-vine	Thurrock, Grays	TQ6077	1	2009
Essex Field Club	<i>Fallopia japonica</i>	flowering plant	Japanese Knotweed	Thurrock, Tilbury	TQ6276	1	2010
Essex Field Club	<i>Fallopia japonica</i>	flowering plant	Japanese Knotweed	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Fallopia japonica</i>	flowering plant	Japanese Knotweed	Grays, Thurrock Park Estate	TQ6277	1	2013
Essex Field Club	<i>Fallopia japonica</i>	flowering plant	Japanese Knotweed	Thurrock, Tilbury	TQ6376	1	2014
Essex Field Club	<i>Fallopia japonica</i>	flowering plant	Japanese Knotweed	Thurrock A1089	TQ6377	1	2012
Essex Field Club	<i>Fallopia japonica</i>	flowering plant	Japanese Knotweed	Tilbury Fort and World's End area	TQ6475	1	1997
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Grays Beach area	TQ6177	1	2010
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Thurrock, Tilbury	TQ6475	1	2009
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Grays Chalk Quarry, lower ledge NW (1a)	TQ605789	1	2007
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Tilbury Fort and World's End area	TQ6475	1	2011

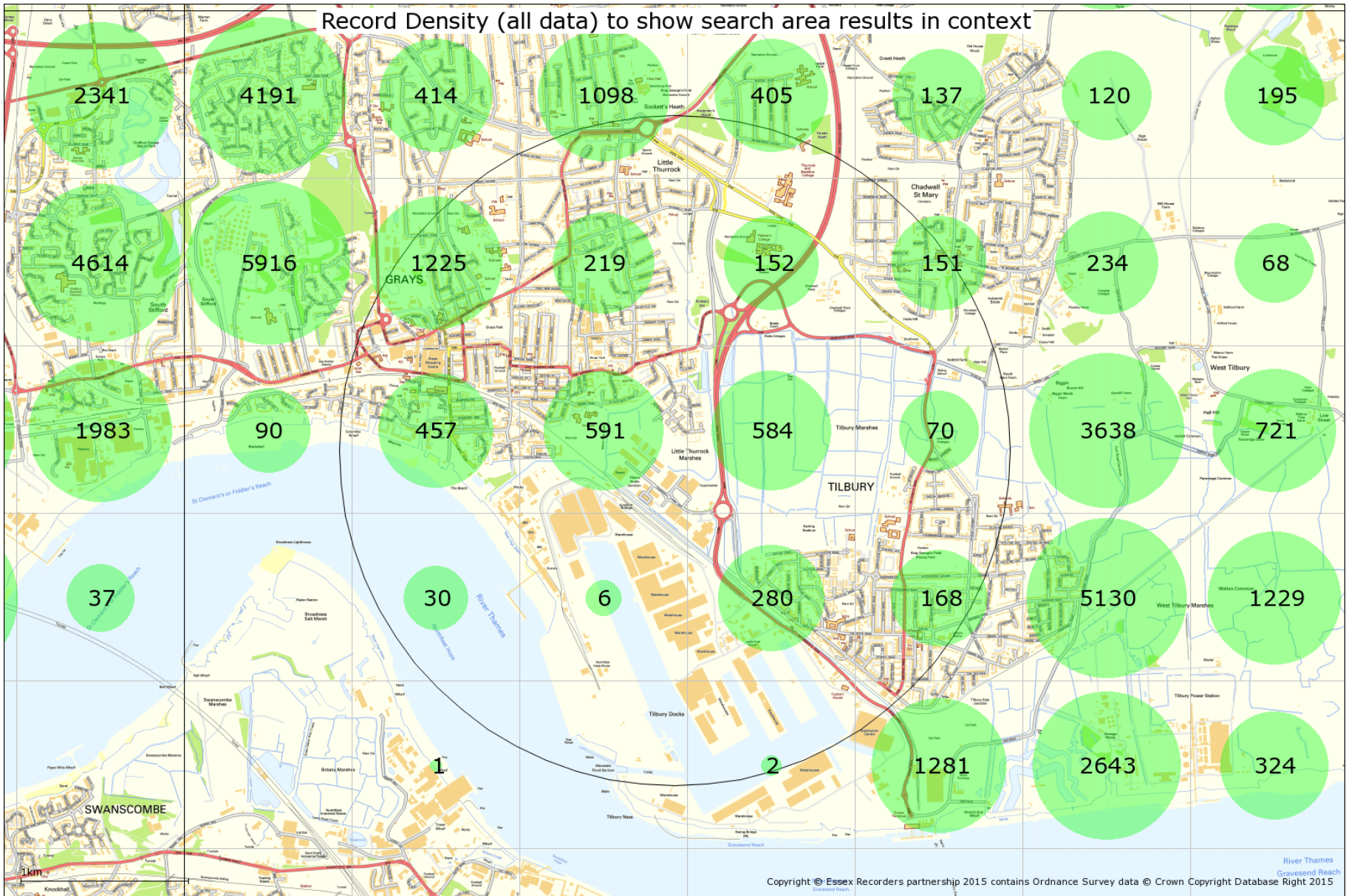
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Thurrock A1089	TQ6377	1	2012
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Thurrock, Tilbury, town	TQ6376	1	2009
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Grays beach area	TQ6176	1	2010
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Thurrock, Grays, churchyard	TQ6177	1	2009
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Grays Chalk Quarry N.R. upper ledge area, sector EWT 1c	TQ607790	1	2007
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Grays, Devonshire Road	TQ60047819	1	2014
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Grays Chalk Pit, lower pit, NW open area (regenerating scrub)	TQ608790	1	2008
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Chafford Hundred, Grays Chalk Pit NW extension (grassland/scrub)	TQ604789	3	2014
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Hillside, Grays, Former Bluecircle Sports Ground (centroid)	TQ601781	1	2014
EFC Schemes	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Grays, Thameside Complex	TQ615781	1	2009
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Grays Chalk Pit, lower pit, Atypus area (grassland/reg.scrub)	TQ60907896	1	2008
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Grays Chalk Quarry	TQ6078	1	2008
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Chafford Hundred, Grays Chalk Pit, lower pit	TQ6078	1	2014

Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Tilbury Marshes, site with Karting Stadium (centroid)	TQ636770	1	2010
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Grays Chalk Pit, lower pit, Atypus area (scrub)	TQ609789	1	2008
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Chafford Hundred Grays Chalk Pit NW extension (Cp 3)	TQ606789	4	2014
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Grays, 32 Lodge Lane (garden)	TQ624793	4	2012
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Chafford Hundred, Sand Martin PH Sand Cliff (A)	TQ60747919	3	2014
Essex Field Club	<i>Harmonia axyridis</i>	insect - beetle (Coleoptera)	Harlequin Ladybird	Titan Works Quarry (centroid)	TQ612786	1	2014
Essex Field Club	<i>Heracleum mantegazzianum</i>	flowering plant	Giant Hogweed	Thurrock, Tilbury, town	TQ6376	1	2009
Essex Field Club	<i>Hyacinthoides hispanica</i>	flowering plant	Spanish Bluebell	Thurrock, Chadwell St. Mary	TQ6479	1	2013
Essex Field Club	<i>Psittacula krameri</i>	bird	Rose-ringed Parakeet	Grays, 32 Lodge Lane (garden)	TQ624793	3	2013
Essex Field Club	<i>Quercus cerris</i>	flowering plant	Turkey Oak	Grays, Sockett's Heath	TQ6279	1	2013
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R. upper ledge EWT sector 1g	TQ6178	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays, Hogg Lane and Lenthall Avenue	TQ6179	1	2013
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry (EWT) and entry bank from S	TQ67	1	2005
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R., upper ledge EWT sector 1e	TQ6078	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Thurrock A1089	TQ6377	1	2012
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R. upper ledge area 1b. NW of pit.	TQ6078	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Thurrock: Grays South	TQ6178	1	2015

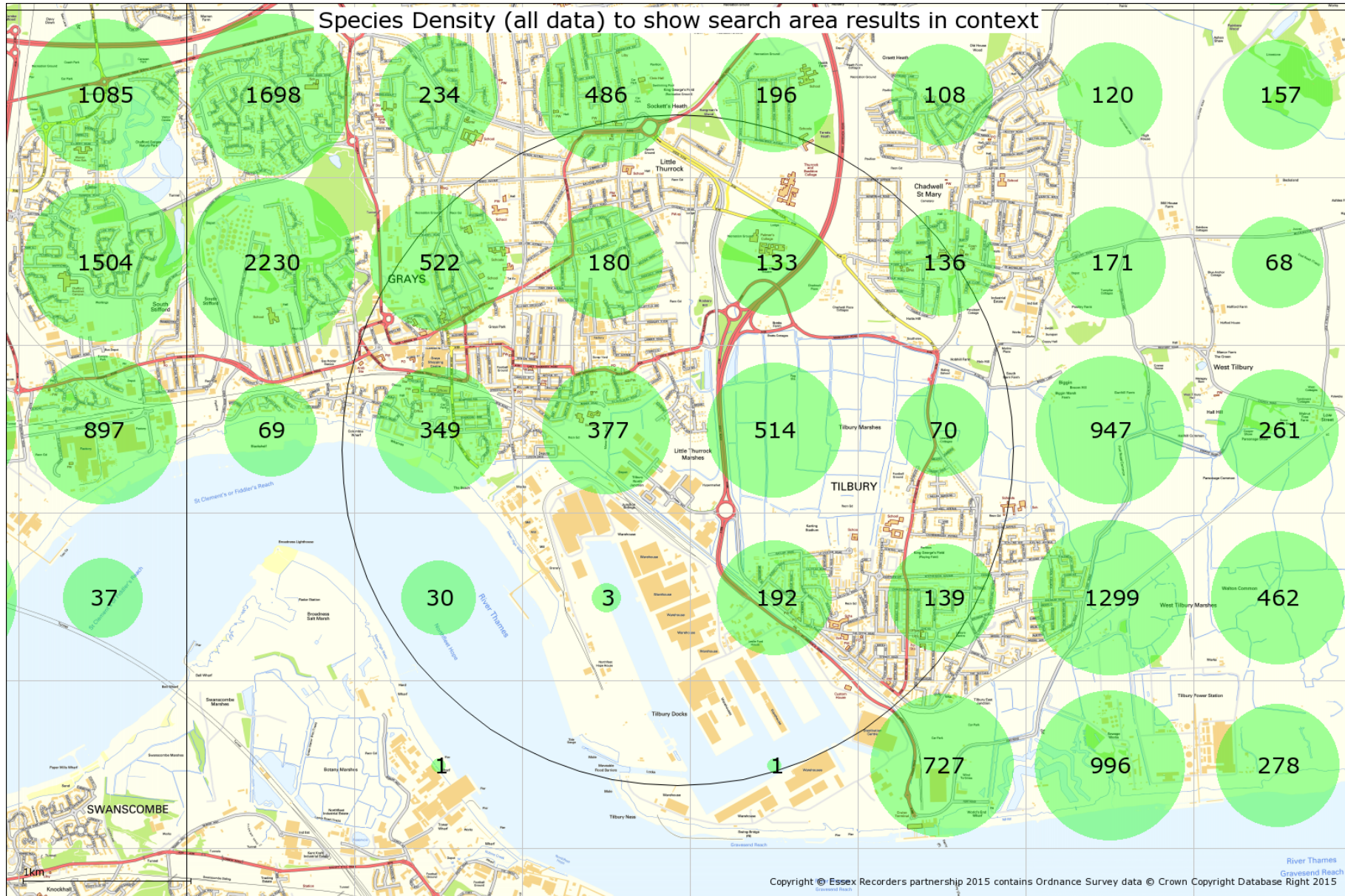
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R. upper ledges, EWT sector 1f	TQ6078	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays, Palmer's College area	TQ6378	1	2013
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R. sector EWT 2c	TQ6079	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry, lower ledge NW (1a)	TQ605789	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R. upper ledge EWT sector 1d	TQ608791	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays, east of Rectory Road	TQ6278	1	2013
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Titan Works, Hogg Lane, Grays	TQ612784	1	2014
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R., sector EWT (2b)	TQ6078	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays, Thurrock Park Estate	TQ6277	1	2013
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry N.R. sector EWT2a	TQ6178	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Grays Chalk Quarry, sector EWT (2g)	TQ6078	1	2007
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Thurrock: Chafford Hundred S	TQ6078	1	2012
Essex Field Club	<i>Rhododendron ponticum</i>	flowering plant	Rhododendron	Grays, east of Rectory Road	TQ6278	1	2013
Essex Field Club	<i>Robinia pseudoacacia</i>	flowering plant	False Acacia	Grays, Thurrock Park Estate	TQ6277	1	2013
Essex Field Club	<i>Robinia pseudoacacia</i>	flowering plant	False Acacia	Grays, Devonshire Road	TQ60047819	1	2014
Essex Field Club	<i>Robinia pseudoacacia</i>	flowering plant	False Acacia	Thurrock: Grays South	TQ6178	1	2015
Essex Field Club	<i>Robinia pseudoacacia</i>	flowering plant	False Acacia	Grays, Pier Lodge, Argent Street	TQ614774	1	2014
Essex Field Club	<i>Rosa rugosa</i>	flowering plant	Japanese Rose	Thurrock: Chafford Hundred	TQ6079	1	2015
Essex Field Club	<i>Rosa rugosa</i>	flowering plant	Japanese Rose	Grays Beach area	TQ6177	1	2010
Essex Field Club	<i>Rosa rugosa</i>	flowering plant	Japanese Rose	Tilbury Town	TQ6476	1	2012
Essex Field Club	<i>Rosa rugosa</i>	flowering plant	Japanese Rose	Thurrock, Grays	TQ6077	1	2009
Essex Field Club	<i>Rosa rugosa</i>	flowering plant	Japanese Rose	Chadwell St Mary	TQ6478	1	2012
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Grays, east of Rectory Road	TQ6278	1	2013

Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock, Little Thurrock, churchyard	TQ6277	1	2010
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Grays, Thurrock Park Estate	TQ6277	1	2013
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock: Chafford Hundred	TQ6079	1	2014
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock, Grays	TQ6077	1	2010
EFC Schemes	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Grays, Chadwell Road	TQ625786	1	2013
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Grays, Palmer's College area	TQ6378	1	2013
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock, Tilbury	TQ6276	1	2010
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Little Thurrock, Woodside School area	TQ6379	1	2013
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock:Grays: ARWallace home and garden	TQ617785	1	2015
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Grays	TQ6177	1	2009
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock, Grays	TQ6278	1	2009
EFC Schemes	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Grays, Lodge Lane	TQ624792	1	2013
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Grays, Sockett's Heath	TQ6279	1	2013
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock, Tilbury	TQ6376	1	2010
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Thurrock A1089	TQ6377	1	2012
Essex Field Club	<i>Smyrnium olusatrum</i>	flowering plant	Alexanders	Tilbury, St. Andrews Road	TQ6376	1	2013
Essex Field Club	<i>Solidago canadensis</i>	flowering plant	Canadian Goldenrod	Grays Chalk Quarry N.R. upper ledge EWT sectort 1J	TQ6178	1	2007
Essex Field Club	<i>Solidago canadensis</i>	flowering plant	Canadian Goldenrod	Grays Gorge	TQ67	1	2011
Essex Field Club	<i>Solidago canadensis</i>	flowering plant	Canadian Goldenrod	Grays Chalk Quarry N.R. upper ledge EWT sector 1d	TQ608791	1	2007

Record Density (all data) to show search area results in context



Species Density (all data) to show search area results in context



Summary of Species Record Counts

Records of Scheduled Species

Records in scheduled categories as detailed in this report are enumerated below.

Protected Species Records	505
Priority / NERC S41 Species Records	373
Global & National Red List and Scarce Species Records	1216
Essex Red Data List Species Records	2042
Invasive Species Records	112

Records used in preparing this report

Counts below are for all records within the designated search area used in the preparation of this report. This table is for your information only and is intended to show the relative contribution from each taxonomic group, even if excluded from the results by the desk study criteria requested.

Essex Bat Group	54
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Essex Field Club County Recorder counts

Aculeata	1447
Aculeata: Apinae	231
Aculeata: Formicidae	166
Amphibians and reptiles	19
Araneae	2903
Auchenorrhyncha	243
Bats	290
Coleoptera	1831
Diptera: Larger Brachycera	218
Diptera: other groups	1881
Diptera: Syrphidae	568
Fungi	85
Heteroptera	466
Hymenoptera: other groups	36
Isopoda	73
Lepidoptera: butterflies	745
Lepidoptera: macromoths	625
Lepidoptera: micromoths	701
Lichens	0
Mammals	299
Mollusca	6
Myriapoda	46
Non-vascular plants	211
Odonata	49
Opiliones	72
Orthoptera group	155
Pseudoscorpiones	1
Slime moulds	0
Vascular plants	4442

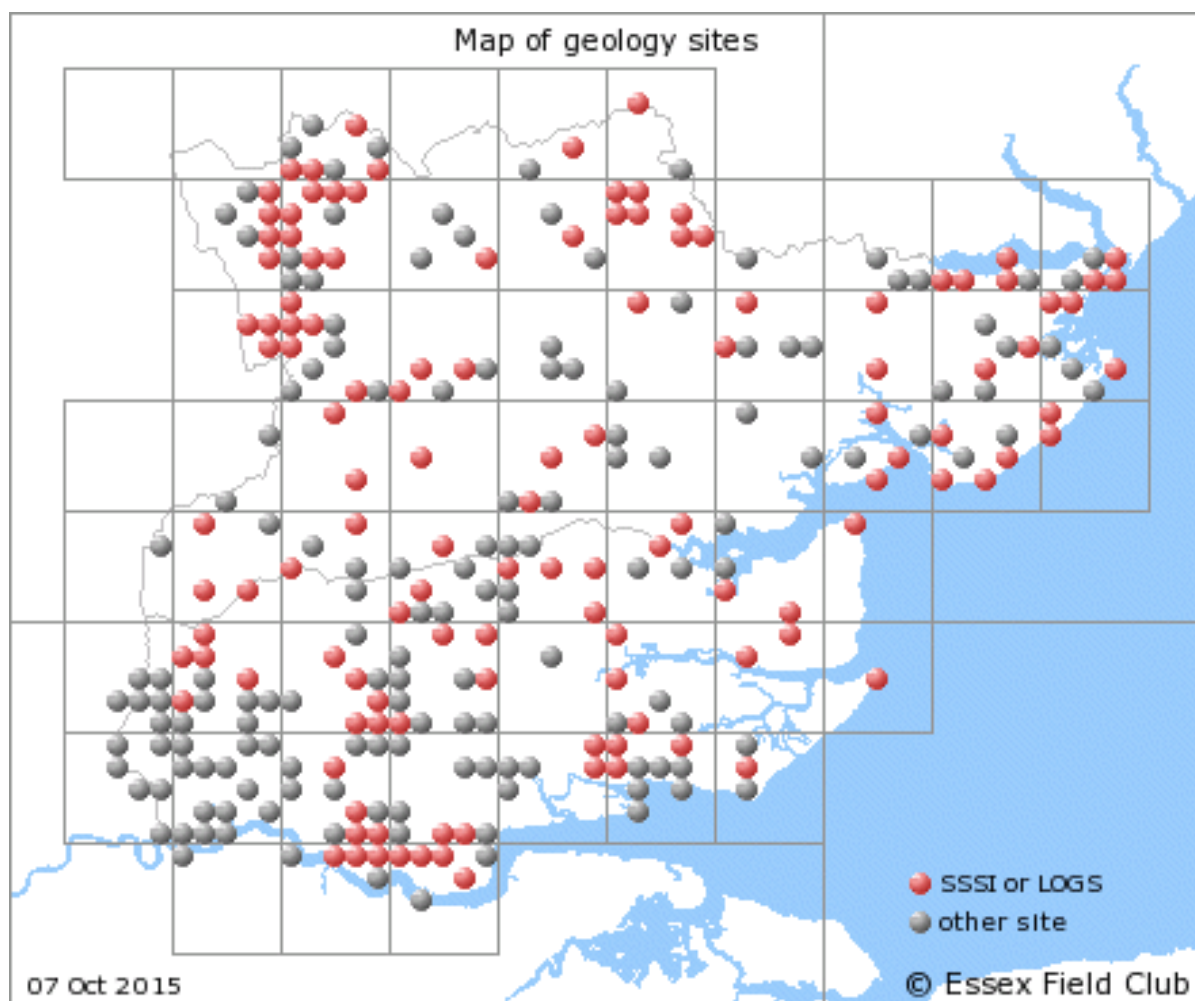
Geological Site Information

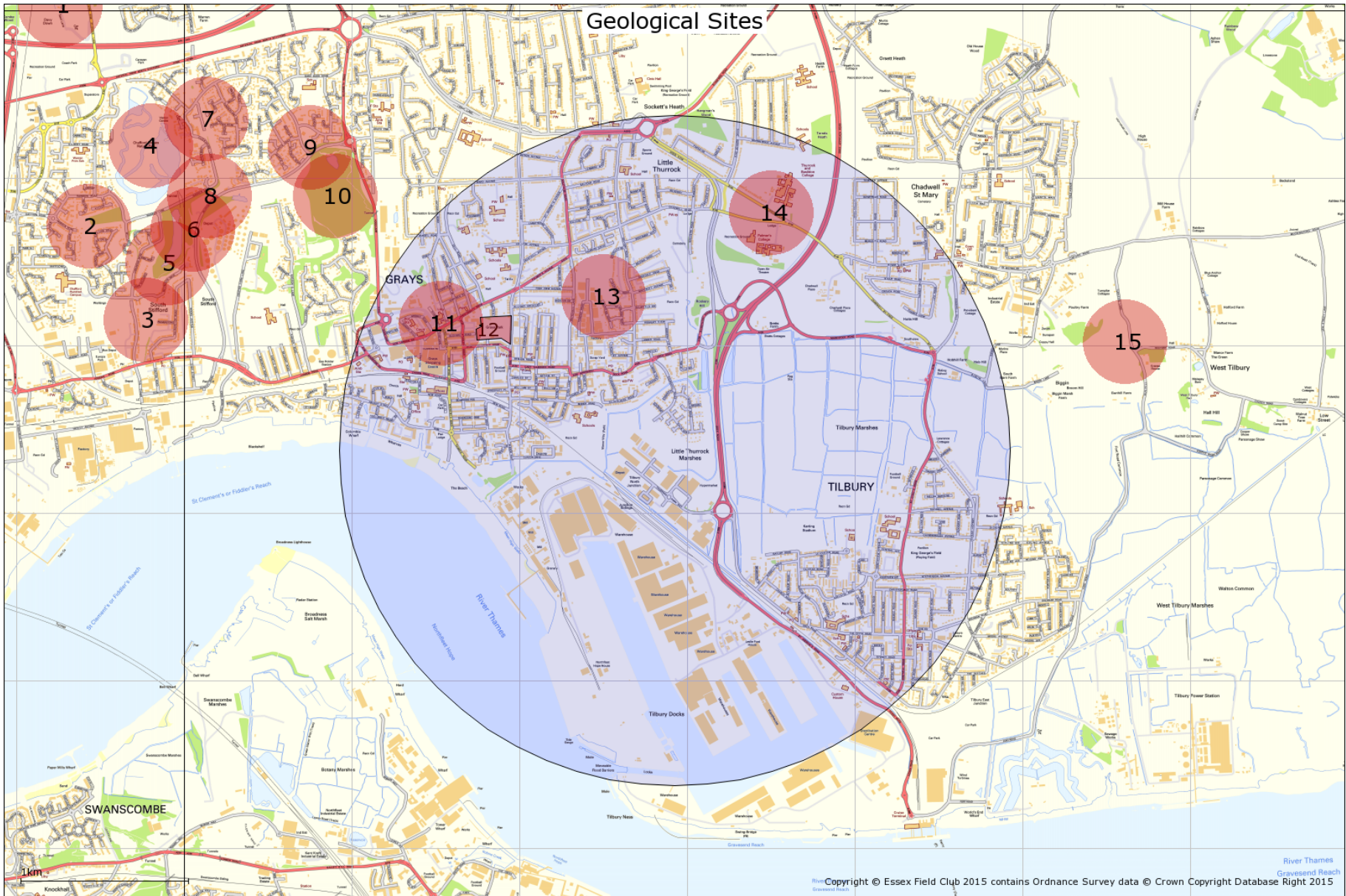
The geological site database includes and describes geological sites which are of regional or local importance for their scientific, historical and/or educational value unlike the strictly scientific criteria applied to the SSSIs (Sites of Special Scientific Interest) which are of national importance. These are not 'second tier' sites but sites of regional and local value in their own right.

Some of these sites are being designated as Local Geological Sites (LOGS), formerly called Regionally Important Geological Sites, or have the potential to be so designated, and these sites are marked as such. Existing SSSIs which have been designated for their geological importance are also included in this database.

Note: Some of the sites in the geological site database are solely of historical interest as a record of an important or interesting discovery. There are also sites which are not strictly geological but nevertheless have a geological connection, for example buildings constructed of local stone. These sites have not been included in this report.

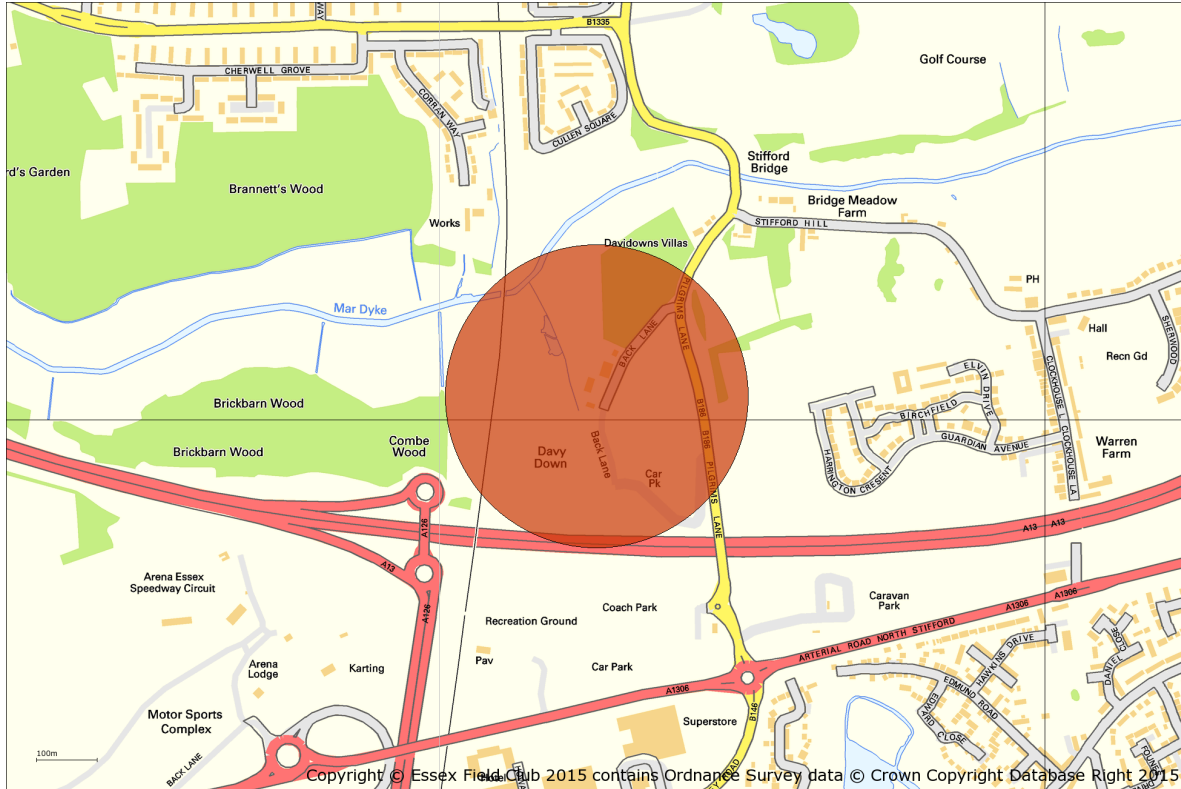
Although many of the sites listed are publicly accessible, inclusion of a site in this database does not imply any rights of access. Permission to visit must always be obtained from the relevant landowner.





Geological Site Information

1. Davy Down Riverside Park Sarsen Stone, Potential Local Geological Site, TQ59268004



Outside the pumping station at Davy Down Riverside Park is a remarkable sarsen stone probably the finest example in Essex. The sarsen is 1.6 metres square and has fine mammillated surfaces. It formerly stood outside Marleys works on the south side of Stifford Road, South Ockendon and is understood to have been found in the gravel pit south of the works.

Davy Down Riverside Park forms part of the Mar Dyke Valley, a delightful valley with steep, wooded sides and a grazed floor that can be seen from the M25 motorway (see below).

Also of interest at Davy Down is the pumping station, built in 1928 with a 50 metre deep borehole down into the Chalk. It is still used today for pumping water for use in the local area.

Davy Down Riverside Park is open at all times but the pumping station and the sarsen stone are only accessible during opening hours when the warden is present.

The formation of the Mar Dyke Valley

The Mar Dyke valley runs along the northern side of the Purfleet Anticline, an east-west trending ridge of chalk between Purfleet and Grays. However, the Mar Dyke river that occupies this valley appears to be much too small to have cut this wide valley.

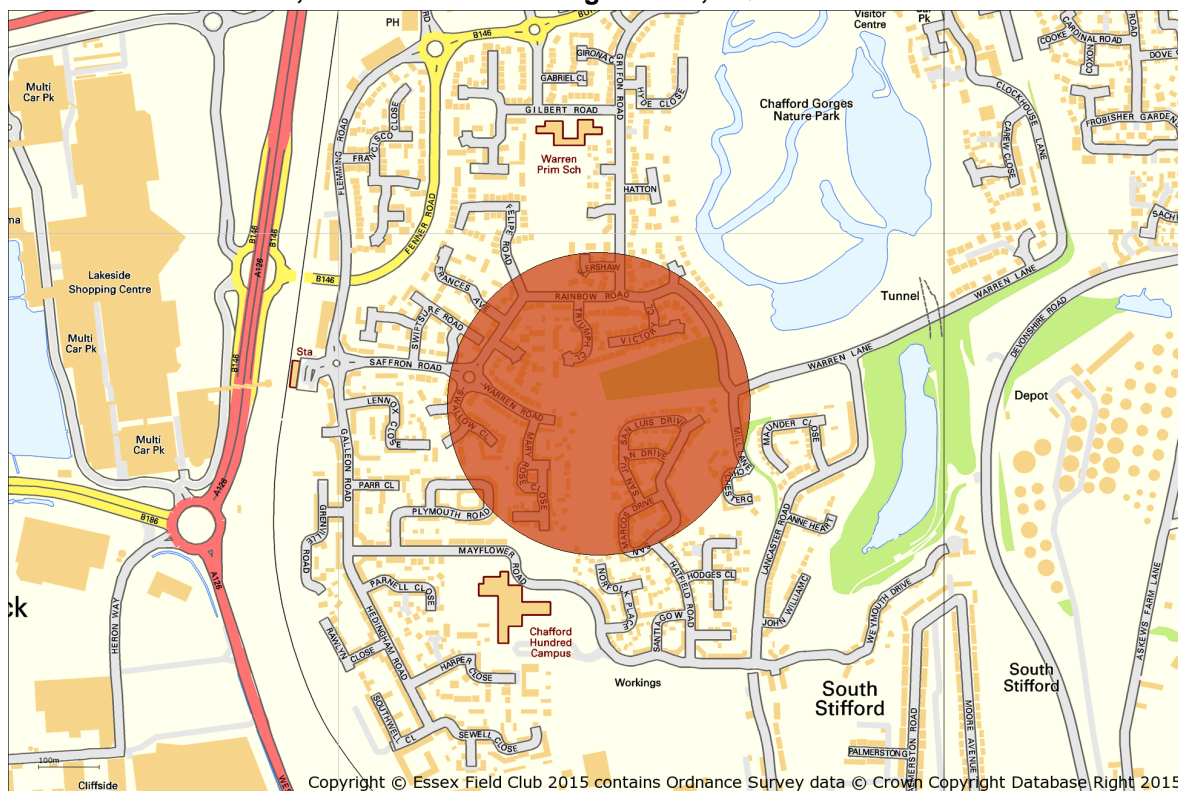
A clue to solving this puzzle was an ancient gravel called Corbets Tey Gravel, which lines the Mar Dyke valley but also occurs between Ilford and South Ockendon and is without doubt a Thames terrace deposit. Geologists have therefore now concluded that, this valley was, remarkably, originally formed by the Thames when it was flowing in a south-westerly direction. It appears that the Thames, some 300,000 years ago, was flowing eastwards from what is now London when it turned

sharply south-westwards in the South Ockendon area because of the higher ground of the Purfleet Anticline. It then flowed through what is now the Mar Dyke valley to Purfleet and then swung southwards through a narrow gap in the chalk ridge to resume its eastward course. The modern Mar Dyke has therefore adopted an abandoned part of the old Thames valley. This picture has been built up by painstaking examination of gravels which not only tell the source of the river that deposited them but also the direction of the current at the time.

The sarsen stone at Davy Down. Photo © G. Lucy.



2. Mill Wood Sand Cliff, Potential Local Geological Site, TQ59437872



Site of geological interest with potential for geological education. Part of Chafford Gorges Nature Park.

Site description

In 1872 Gibbs and Company Ltd established a cement works west of Mill Lane. This was one of the first cement works on the Essex side of the Thames and is notable for the experimental use, in 1887, of the rotary kiln that was subsequently used successfully in cement works around the world. The quarry was called Mill Wood Pit or Gibbs Pit but it was also known as Thames Works Quarry. It produced many fine fossils to generations of collectors, mostly sea urchins or echinoids exquisitely preserved in flint. In common with other quarries in the area, the chalk of Mill Wood Pit is capped with a thickness of Thanet Sand and, at the very top, a layer of Orsett Heath Gravel laid down by the early Thames.

After closure of the cement works the quarry became a haven for wildlife for many decades, particularly for a number of nationally rare invertebrates. Despite this biodiversity the quarry was sadly lost to housing but there is still a small amount of geological interest remaining at the north end of the quarry in the form of a cliff of Thanet Sand. This can be accessed from Saffron Road, or from Mill Lane via the footpath between the top of the cliff and Mill Wood and then down a flight of steps to a grassed area at the bottom of the cliff. The cliff provides an excellent opportunity to examine the Thanet Sand, sand that accumulated on the edge of a shallow sea some 60 million years ago. Scientific examination of the sand grains has shown that most of the sand originates in Scotland and has been brought south, over several million years, by coastal currents. At the very base of the cliff is the junction with the underlying Chalk but it has been obscured by fallen sand.

At the top of the cliff are occasional glimpses of the gravels of an ancient route of the Thames, which appear to have been channelled down into the Thanet Sand by the action of running water. The

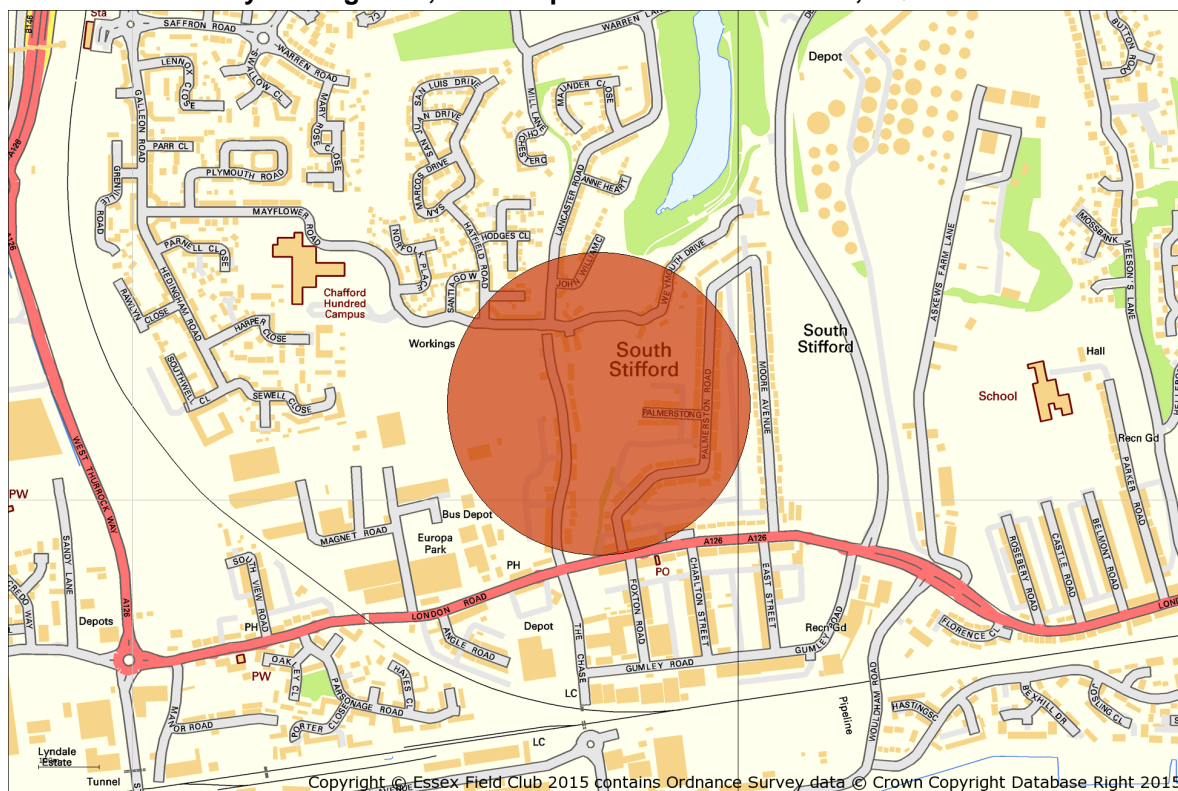
gravel is easily visible from the wooden steps. It is known as Orsett Heath Gravel and is now about 30 metres (100 feet) higher than the present river. It is from the highest and oldest of the Thames terraces and is about 380,000 years old.

This cliff section forms part of Chafford Gorges Nature Park and is managed by the Essex Wildlife Trust. Elsewhere in the park similar sections can be seen in Lion Pit, at the south end of Warren Pit and at the Sandmartin Cliff.

Thanet Sand overlain by iron-stained Thames gravel (Orsett Heath Gravel) at Mill Wood Sand Cliff. Photo © G. Lucy



3. Lion Pit Tramway Cutting SSSI, Site of Special Scientific Interest, TQ59777816



Site of Special Scientific Interest designated for the importance of its geology. Situated within Chafford Gorges Nature Park.

Site description

This site, part of an old tramway cutting created in the nineteenth century to transport chalk from Lion Pit to the riverside wharves, has been a Site of Special Scientific Interest (SSSI) since 1953. Although overgrown, an excellent section through Ice Age sediments is present which are banked up at the northern end against an ancient chalk cliff that existed here about 200,000 years ago. The deposits form part of the Mucking Formation which is the downstream equivalent of the Taplow terrace of the Thames. At that time the site was situated at the northern edge of the Thames flood-plain.

These river deposits span a period of deposition from one glacial stage through to the next (Marine Isotope Stages 8 to 6) which includes the intervening interglacial stage (Marine Iso-tope Stage 7), at the beginning of which there were early humans here, making stone tools on the gravel beach below the cliff.

The interglacial deposits comprise silt, sand and clay which is associated with the famous Grays brickearth that was exploited by numerous brick pits in Grays in the early nineteenth century (see above). They contain fossil molluscs and pollen that can provide valuable evidence of the climate and vegetation at this time. Evidence of human occupation has been flint knapping debris in the lower gravel which is undisturbed. Remarkably it has actually been possible to refit some flakes together which proves that humans were actually manufacturing stone tools here. The humans occupying the site were Neanderthals and the tools they left behind are a distinctive type known as Levallois, named after the Paris suburb where it was first recognised. Characterised by tortoise cores and flakes with faceted striking platforms this technique was prominent in Britain only during a

relatively brief period of the Ice Age (see box). Another notable Levallois site is Purfleet (see entry under Purfleet Chalk Pits).

The tramway cutting has also produced the fossil bones of several species of mammals such as brown bear, rhinoceros, bison, mammoth and straight-tusked elephant. One of the earliest records of fossils from here was in 1890 when a partial elephant skeleton was found, on top of which was a layer of crushed ivory several metres long. Of particular interest were the cut marks on the pelvis of a rhinoceros which could only have been produced by a sharp stone tool. These marks suggest that the animal was deliberately butchered here by early humans.

To summarise, here in the Lion Gorge tramway cutting we can combine geology and archaeology to reconstruct a vivid picture of Neanderthals sitting on a stony beach of the Thames, at the base of chalk cliff, making beautiful stone tools and using them to butcher rhino bones. Neanderthals were actually at this spot 200,000 years ago going about their everyday business. This is a very evocative reconstruction and one that underlines the uniqueness of this site.

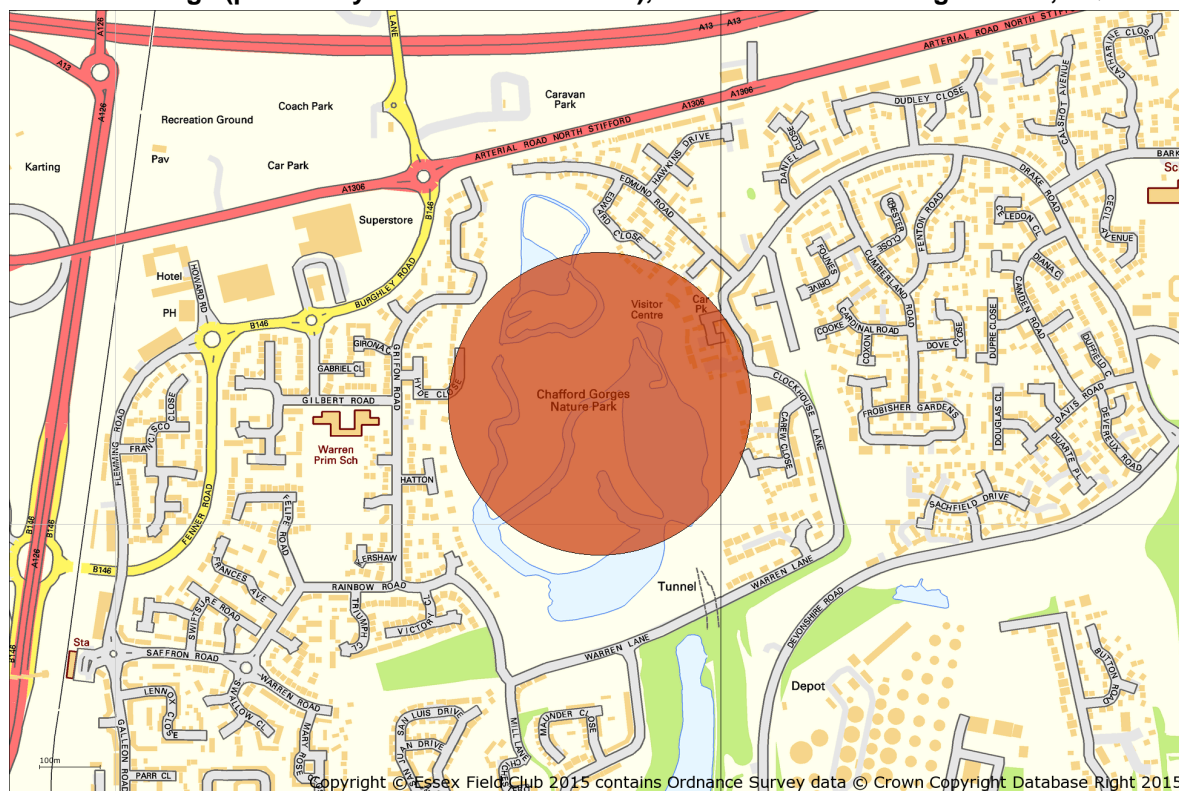
The site is south of the embankment, which carries Philip Sydney Road across the cutting. The cutting is the route of a public footpath but the deposits are not easily visible due to landslips and the growth of vegetation. As this is an SSSI no collecting or excavation of any kind is permitted.

Lion Pit Tramway Cutting is part of Chafford Gorges Nature Park and is managed by the Essex Wildlife Trust.

Lion Pit Tramway Cutting. Photo:G.Lucy



4. Warren Gorge (previously known as Warren Pit), Potential Local Geological Site, TQ598792



Site of geological interest showing rare periglacial features in the cliffs. Part of Chafford Gorges Nature Park. Geological interest is easily obscured by the growth of vegetation and should be controlled.

Site description

Warren Pit has now been renamed Warren Gorge. A path leads down into the pit from Essex Wildlife Trusts new visitor centre which was opened in 2006. The centre provides information on the wildlife and geology of the area. The chalk cliffs are largely obscured by vegetation but a reasonable section through the Upper Chalk, capped by Thanet Sand, can be seen from the edge of the lake at the southern end of the quarry. Warren Gorge is linked to Lion Gorge, to the south, by a tunnel (now gated) under Warren Lane. Thames gravel can also be seen at the very top of the cliff. This is the 380,000 year old Orsett Heath Gravel which forms the highest and oldest of the terraces of the modern River Thames, now about 30 metres (100 feet) higher than the present river. In Chafford Hundred this gravel is also visible on the other side of Mill lane in Lion Pit, at the Sand Martin Cliff and in Mill Wood Sand Cliff.

At the north end of the pit is a fine exposure of coombe rock. This rock is evidence of the severe climate that existed in Essex towards the end of the last glacial stage, between 10,000 and 20,000 years ago, when the ground was permanently frozen (permafrost) with only the top metre or so thawing during each brief summer and freezing again the next autumn. Here, the Chalk was close to the surface and the constant freezing and thawing turned the top layer into a mass of saturated chalk rubble which was capable of slowly flowing down a slope like thick porridge to accumulate in valley bottoms. Now hardened into what is known as coombe rock it can be seen at the top of the cliffs beneath a layer of Thames gravel. The junction between the two is undulating and has been clearly affected by this freeze/thaw process. Unfortunately, at the time of writing (2007), this fine geological section is being rapidly obscured by the growth of vegetation, particularly Buddleia.

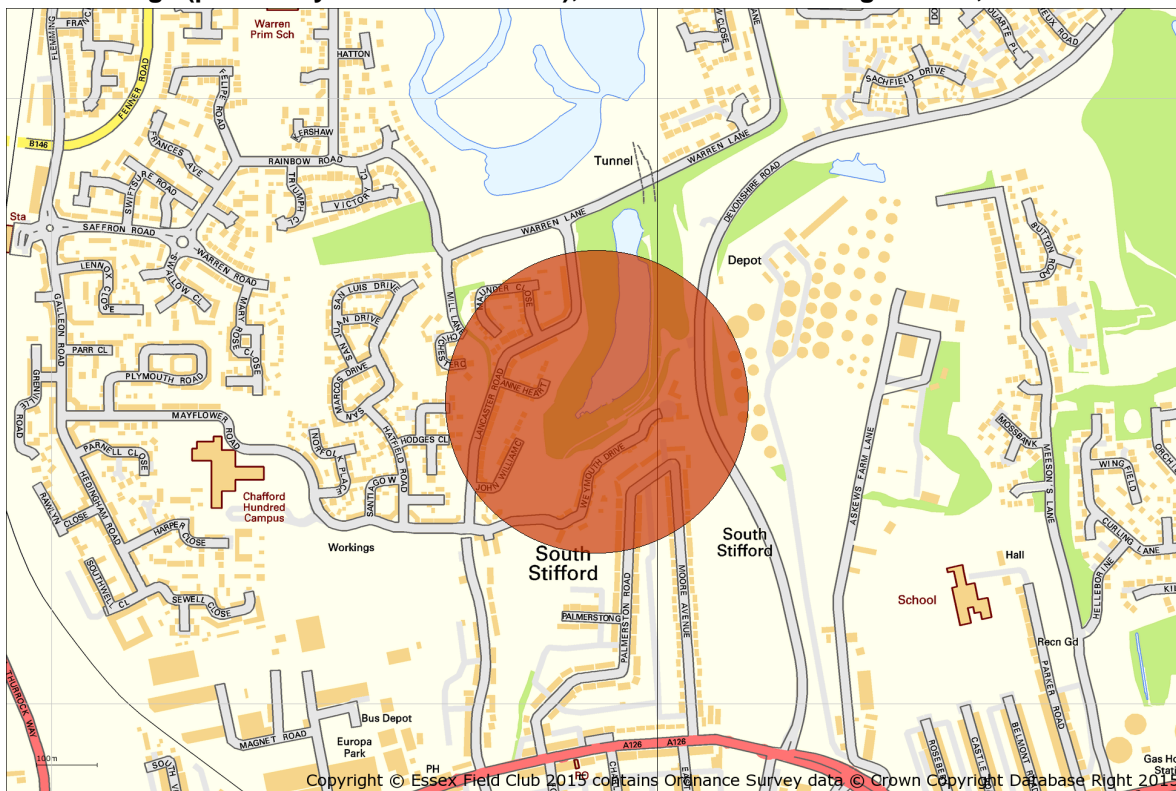
The Thames gravel at the north end of the pit is called Corbets Tey Gravel and at about 280,000 years old is from a middle terrace of the river and therefore younger than the Orsett Heath Gravel capping the cliffs at the south end of the pit. Very interestingly, both these gravels relate to a time when, locally, the Thames flowed westwards (see separate site entry for Davy Down Riverside Park, South Ockendon).

Warren Gorge is part of Chafford Gorges Nature Park and is managed by Essex Wildlife Trust.

Coombe rock overlain by Thames gravel (Corbets Tey Gravel) at the north end of Warren Gorge. Photo © G. Lucy



5. Lion Gorge (previously known as Lion Pit), Potential Local Geological Site, TQ599785



Site of geological interest with potential for promoting geology. Part of Chafford Gorges Nature Park. Any significant excavations in the reserve should be recorded.

Site description

The large flooded chalk quarry to the south of Warren Lane, South Stifford, was formerly the Lion Cement Works. The works opened in 1874 and in 1900 became part of the adjacent Wouldham Works (see above) when the two quarries were linked together by a gap in the chalk cliff. Lion Pit is also linked to the adjacent Warren Pit to the north by a tunnel (now gated) under Warren Lane. Clay, the other essential ingredient of Portland cement, was originally brought to the works by river but from 1930 London Clay was piped here as a slurry from South Ockendon. By 1976 all quarrying had ceased at Wouldham and the works were closed.

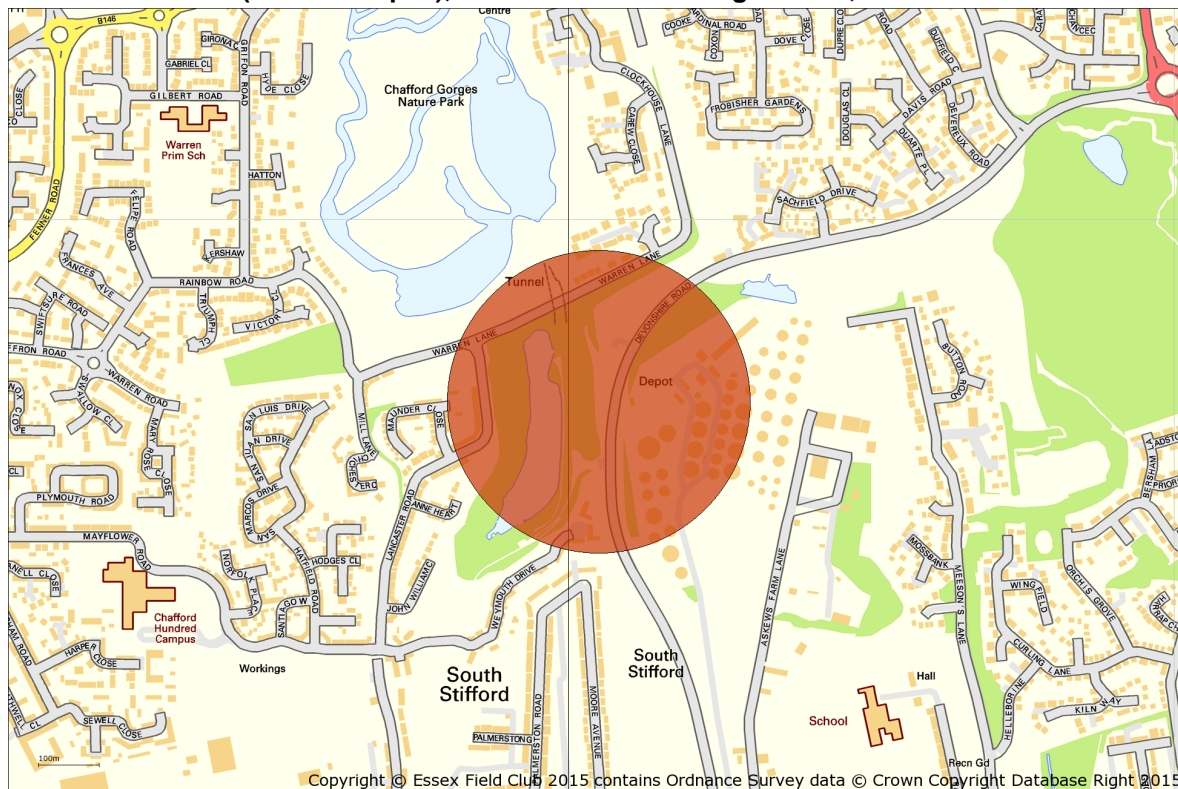
The quarry now contains a fishing lake and is much overgrown with vegetation but the original benches where chalk was worked by hand and with steam shovels can still be seen. The quarry is now part of the Chafford Gorges Nature Park which is managed by the Essex Wildlife Trust. A path runs through the quarry from the old Wouldham pit south to Philip Sydney Road. At the southern end of quarry is the Lion Pit Tramway Cutting (see separate site record) which is an important geological site in its own right.

Lion Pit has now been renamed Lion Gorge. It is part of Chafford Gorges Nature Park and is managed by the Essex Wildlife Trust.

View of Lion Gorge from the embankment on Philip Sydney Road. Photo: G.Lucy



6. Wouldham Cliff (Solution Pipes), Potential Local Geological Site, TQ60057870



Site of geological interest with potential for promoting geology. Part of Chafford Gorges Nature Park.

Site description

The east-facing chalk cliff adjacent to Devonshire Road has a steeply sloping path leading all the way up to Warren Lane. The cliff face here displays a superb series of chalk pipes filled with Thanet Sand. Although pipes like this were once a common sight in many chalk quarries there are now very few left which makes these examples of great importance. Chalk pipes are a real geological curiosity and they are all the more interesting because there is no scientific agreement on their exact origin. In places the sides of the pipes are almost vertical and the Bullhead Bed (see box) is continuous around each one.

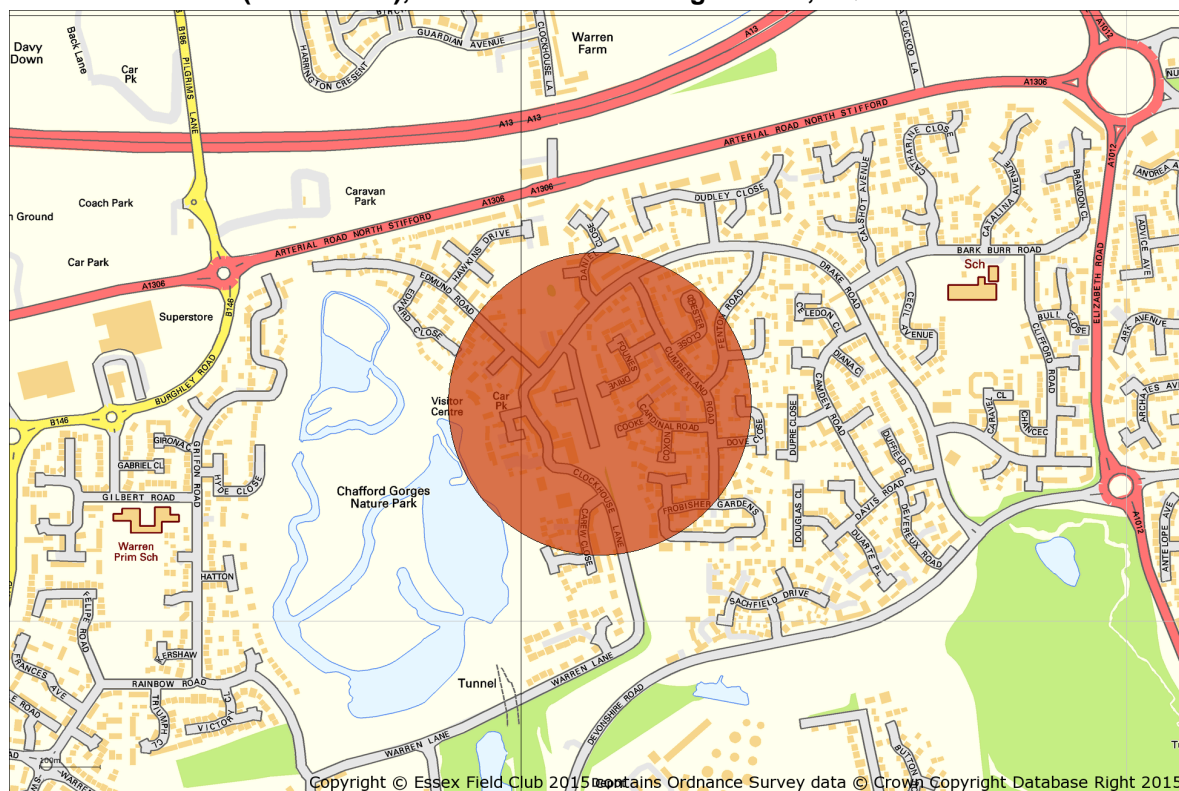
The best explanation for the formation of these pipes is groundwater percolating down through the sand, probably in a hot climate many millions of years ago, that has very slowly dissolved the chalk along joints. As the chalk has been removed millimetre by millimetre the sand has sagged down into each pipe but so slowly that the bedding is retained.

This cliff section forms part of Chafford Gorges Nature Park and is managed by the Essex Wildlife Trust.

Solution pipes, infilled with Thanet Sand, in the east-facing section of Wouldham Cliff. Photo © G.Lucy



7. Wouldham Cliff (Involutions), Potential Local Geological Site, TQ60137936



Rare periglacial features can be seen in the low section of cliff adjacent to Merlin Close. Part of Chafford Gorges Nature Park. Geological interest is easily obscured by the growth of vegetation and should be controlled.

Site description

At the north end of Wouldham Cliff is clear evidence of the climate that existed in Essex to-wards the end of the last glacial stage, between 10,000 and 20,000 years ago, when the ground was permanently frozen (permafrost) with only the top metre or so thawing during each brief summer and freezing again in the autumn. Where the Chalk was close to the surface this process turned the top layer of chalk into a mass of saturated chalk rubble which is now known as coombe rock (this type of rock is well displayed in Warren Pit - see separate site record).

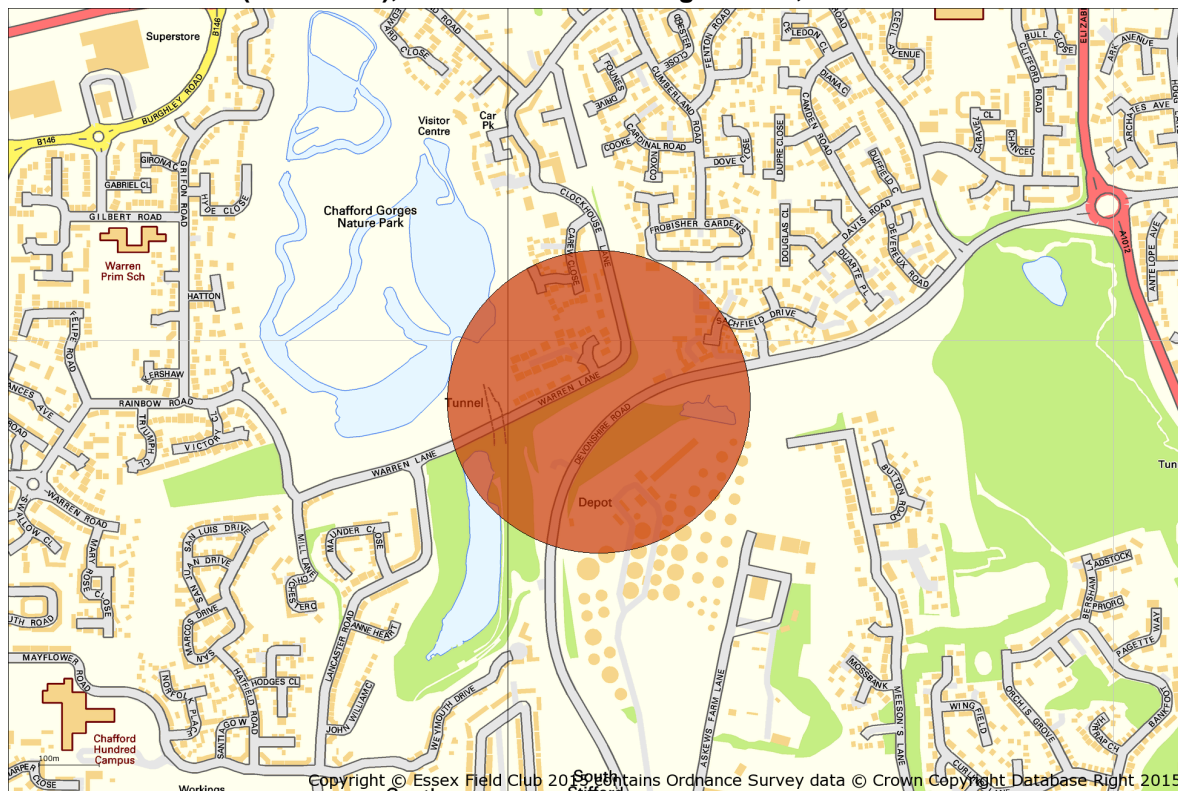
Here at Wouldham Cliff a thin layer of Thanet Sand overlies the Chalk and in places it has sunk into the shattered chalk creating curious festoon-like structures. Scientists know how these structures, called involutions, have been formed because the same processes are going on in the arctic today. At the end of the period of permafrost the ground thawed out completely and the saturated sand was too heavy for the shattered and equally saturated chalk to bear and the sand slowly sank into the chalk. Visible here and there are not only rounded masses of sunken sand but also mushroom-shaped masses of chalk injected upwards as it was displaced. Further proof that these structures were formed in this way is the fact that they are only seen where the Thanet Sand is thin, indicating that the patterns must have formed close to the ground surface at that time.

This cliff section forms part of Chafford Gorges Nature Park and is managed by the Essex Wildlife Trust.

Evidence of an extremely cold climate in the form of involutions at the north end of Wouldham Cliff. Photo © G. Lucy.



8. Wouldham Cliff (Chalk Cliff), Potential Local Geological Site, TQ60157890



Site of geological interest with potential for promoting geology. Part of Chafford Gorges Nature Park. The highest part of the chalk cliff extends from TQ 6003 7885 to TQ 6025 7897.

Site description

An 800 metre long chalk cliff to the east of Clockhouse Lane and south of Warren Lane is the edge of a giant chalk quarry formerly known as Wouldham Cement Works. The cliffs provide an excellent exposure of Upper Chalk which is about 85 million years old and forms the upper part of the Micraster coranguinum zone. A conspicuous flint band (Whitakers Three Inch Band) occurs about two thirds of the way up the 25 metre (80 foot) high cliff. This band can be traced around the most of southern England and is conspicuous in the Chalk cliffs of the Kent coast.

In 1900 the Wouldham Cement Company took over the adjacent quarry to the west that was originally operated by the Lion Cement Company (see separate site entry for Lion Gorge). The two quarries are linked by a gap in the chalk cliff. In 1912 the company became part of what eventually became known as Blue Circle Industries and it finally closed in 1976.

The Wouldham Cement Quarry has produced many spectacular fossils over the course of its long working life. Reports of two visits by the Geologists Association as far apart as 1915 and 1959 describe many of the fossils found which not only consisted of the numerous shellfish that occupied the tropical chalk sea but also the teeth of several species of shark. The most famous fossil from the Wouldham Cement Quarry is a set of 32 beautifully preserved teeth of the shark *Ptychodus*, the majority of which were embedded in three flint nodules. These were discovered about the time of the First World War and described and illustrated in the Proceedings of the Geologists Association in 1918.

Much of the quarry floor is now occupied by housing and an oil storage depot. The quarry is

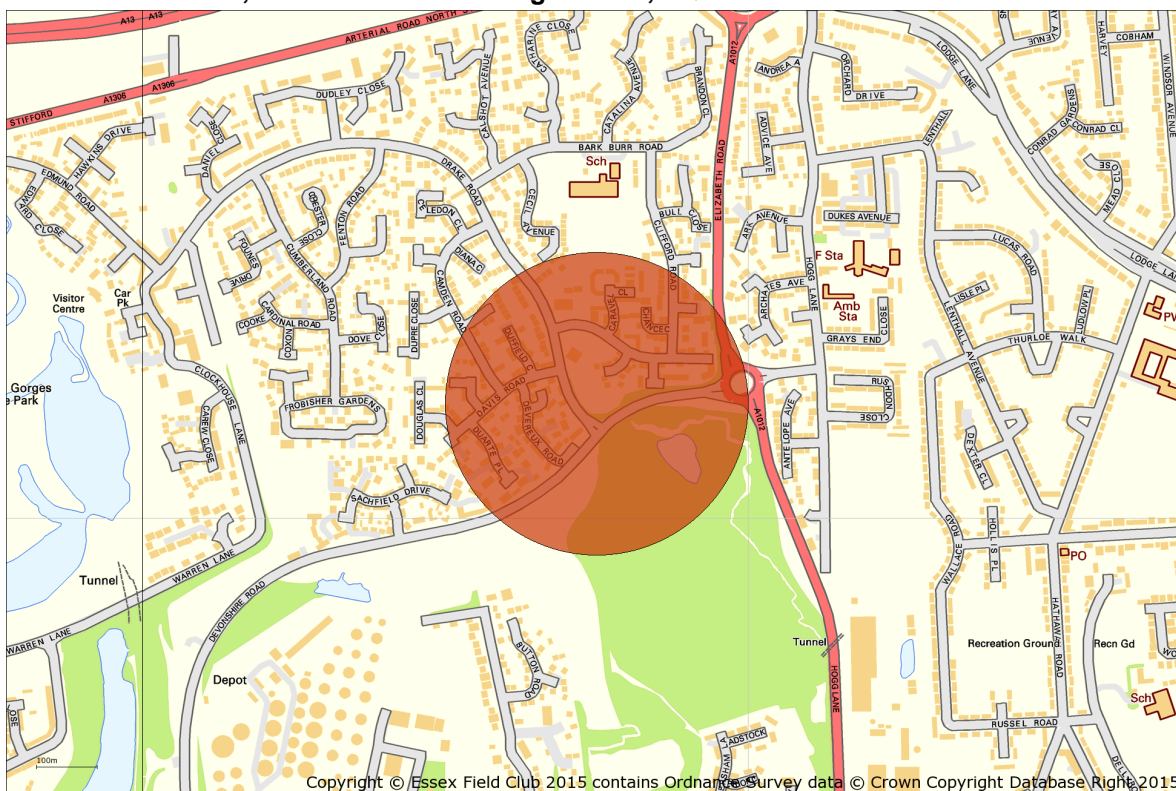
connected to the adjacent Lion Pit (see above) by a gap in the cliff. To the north the cliff decreases in height and the topmost chalk and gravel shows extensive deformation (see separate site record for Merlin Close Involutions).

All the cliffs now form part of Chafford Gorges Nature Park which is managed by the Essex Wildlife Trust.

Wouldham Chalk Cliff from Devonshire Road. The cliff consists of Upper Chalk overlain by Thanet Sand. Photo © G. Lucy.



9. Sandmartin Cliff, Potential Local Geological Site, TQ60757919



Site of geological interest with potential for promoting geology. Part of Chafford Gorges Nature Park.

Site description

Just north of Grays Chalk Quarry SSSI (on the other side of the road), a fine cliff of Thanet Sand can be seen on the corner of Drake Road and Devonshire Road next to the Sandmartin public house. At the base of the Sandmartin Cliff is the junction with the underlying Upper Chalk, the junction being marked by the characteristic Bullhead Bed (see below). The flint nodules from the Bullhead Bed still have their spiky protrusions (bullheads) and they are coated with the dark green mineral glauconite making them instantly recognisable. This junction is called an unconformity and it represents a missing time interval of several million years. This interval includes the Cretaceous/Tertiary boundary (also called the K/T boundary), a time of mass extinction around the world which witnessed the end of the dinosaurs and over 60% of all species on Earth at the time. At the time of writing this junction is unfortunately obscured by sand that has accumulated at the base of the cliff and the growth of vegetation.

At the top of the cliff there is Orsett Heath Gravel laid down as the highest and oldest terrace of the modern Thames. The height of the gravel, around 30 metres (100 feet) higher than the present river, proves that the Thames originally flowed at this altitude some 380,000 years ago. The land in front of the cliff is a nature reserve owned by Essex Wildlife Trust and forms part of Chafford Gorges Nature Park. The gate to the reserve is normally locked; a the key is available from the Chafford Gorges Nature Park Visitor Centre.

The Bullhead Bed

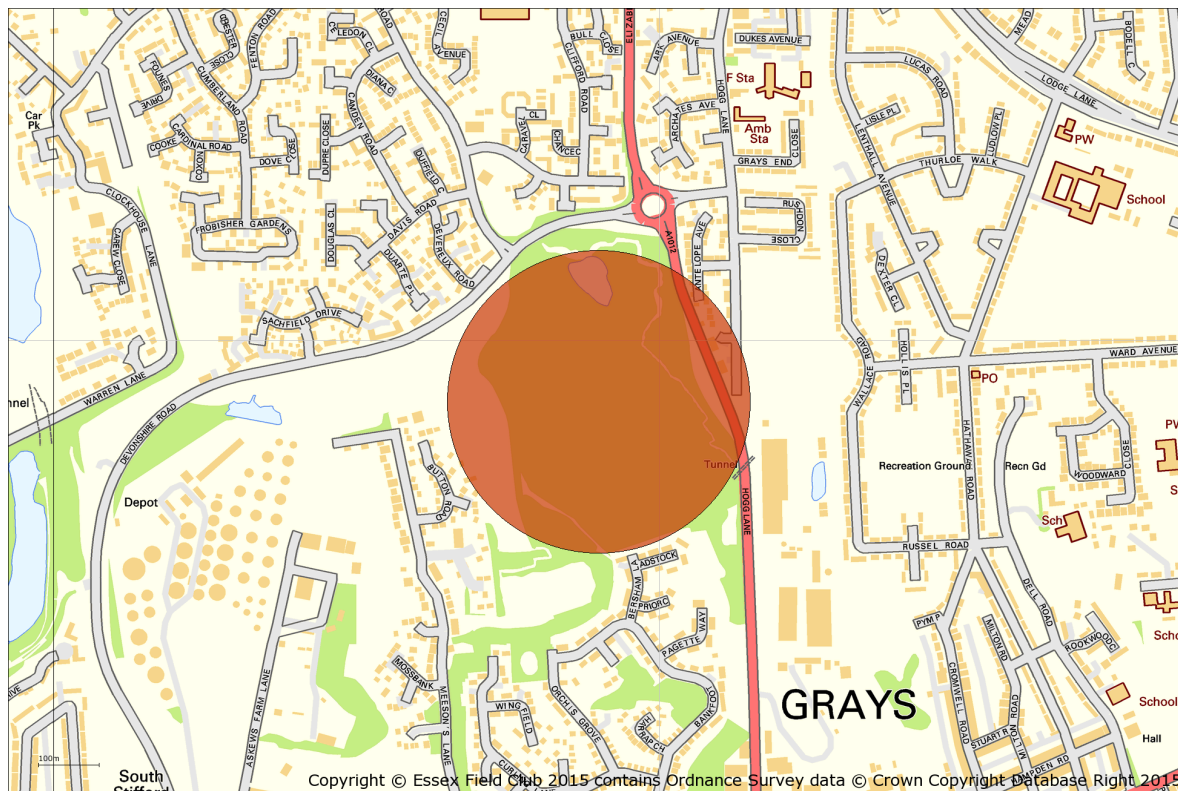
At the junction of the Thanet Sand and the Chalk is a layer of unworn flint nodules and rounded flint pebbles in a sandy clay. The junction is often undulating and in some places the layer continues down to line the sides of solution pipes in the Chalk. This layer is the residue left behind after a thickness of chalk has completely dissolved and this may have happened after the Thanet Sand was deposited. The flint nodules from the Bullhead Bed still have their spiky protrusions (bullheads) and are coated with the dark green mineral glauconite (a potassium and iron silicate) which is formed in shallow seas. These odd coloured flint nodules are certainly unusual. In the Sudbury district, where the Bullhead Bed is also exposed, the nineteenth century quarrymen referred to them, rather unflatteringly, as Devils dung.

Often the flints are fractured and broken and some have neatly-chipped edges which show a remarkable resemblance to artificially worked stone tools. However, humans cannot have worked these flints as this layer is about 50 million years old. The fractures must be entirely due to the fact that the stones are touching and as the chalk below was slowly dissolved they were crushed together as the bed subsided. Kenneth Oakley in his book *Man the Tool-maker* (pages 7 and 12) illustrates two flints from the Bullhead Bed of Grays and uses them as examples of naturally flaked stones that, if seen out of their geological context, could easily be mistaken for human workmanship. The argument about the difference between natural and man-made flaking of flint was at the heart of the Eolith controversy in the early twentieth century and Essex amateur geologist Samuel Hazzeldine Warren used Bullhead Bed flints from Thurrock as a powerful argument against eoliths being produced by humans.

The Chafford Hundred Sandmartin cliff in 1996. The important junction with the Chalk is visible here at the base of the cliff but it has subsequently been obscured by the growth of vegetation. Photo © G.Lucy



10. Grays Gorge (previously known as Grays Chalk Quarry), Potential Local Geological Site, TQ609789



Site name: Grays Gorge (previously known as Grays Chalk Quarry)

Grid reference: TQ 609 789

Brief description of site:

Large, historic chalk quarry with good exposures of Upper Chalk. Around the rim of the quarry are fine sarsen stones, exhumed from the overlying sand and gravel as quarrying proceeded. The quarry is a biological SSSI and of great value for promoting geology. Part of Chafford Gorges Nature Park.

Details

The history of Grays Chalk Quarry can be traced back to at least 1801 when a quarry here known as Duvals Pit was owned by a man named Zachariah Button although chalk excavation for lime burning had taken place in the vicinity since the seventeenth century. Much of Buttons estate passed to John Meeson who by 1843 was working not only the Grays Chalk Quarry but also the adjacent Titan Quarry. By 1866 the quarry had passed to his son, Richard Meeson (1814-1871), who linked the two quarries by a tunnel under Hogg Lane. By this time the company was known as Grays Chalk Quarries Company Ltd. and was one of the biggest producers of whiting in Britain. Whiting had many household uses as well as being used for the manufacture of paint, putty and chemicals. In 1929 their works covered over 250 acres with 20 miles of railway and a 300 foot jetty on the Thames.

Grays Chalk Quarry, or Grays Pit as it was frequently called, has produced a considerable number of fossils over the years, many with the help of Richard Meeson. Meeson was a fellow of the Geological Society and was apparently an acute observer and gave his workmen encouragement to

save any fossils they came across. When the tunnel to Titan Quarry was dug under Hogg Lane the under-surface of a bed of chalk was found to be covered with the impressions of magnificent entire shells of *Inoceramus*, a giant fossil clam. Meeson had the surface cleared and a number of casts taken. Meeson was also a brick-maker in Grays and was involved in the saving of many important fossil mammals (see site entry for Grays Brick Pits). The quarry has received several visits from the Geologists Association over the years. The account of one of these visits, in 1871, reports the finding of numerous fossil shark teeth, sea urchins and molluscs and describes a spectacular section through the Chalk with its horizontal layers of flint nodules, the overlying Thanet Sand and the Thames gravels at the very top of the cliff.

Around the rim of the quarry are a number of fine sarsen stones, all with unweathered mammillated surfaces. The stones, up to 2 metres (6 feet) long and around 50 million years old, were found at the base of the Thames terrace gravels overlying the Thanet Sand and were exhumed as quarrying proceeded. Sarsens were first recorded at Grays Chalk Quarry by geologists in 1867 and their curious shapes and possible origins have been commented on by numerous authors ever since. Of particular interest is a paper in the *Essex Naturalist* by T.V.Holmes in 1903 which includes photographs of stones that are almost identical to those that can be seen today, indicating that they have been here for more than a century.

The Grays Chalk Quarry played its part in the birth of another Essex industry. In the 1860s the water that was constantly flooding the pits was analysed and found to be of high quality and so the South Essex Waterworks Company was formed to sell the water to East London. This was the origin of the Essex Water Company (now Essex and Suffolk Water) which now supplies most of Essex.

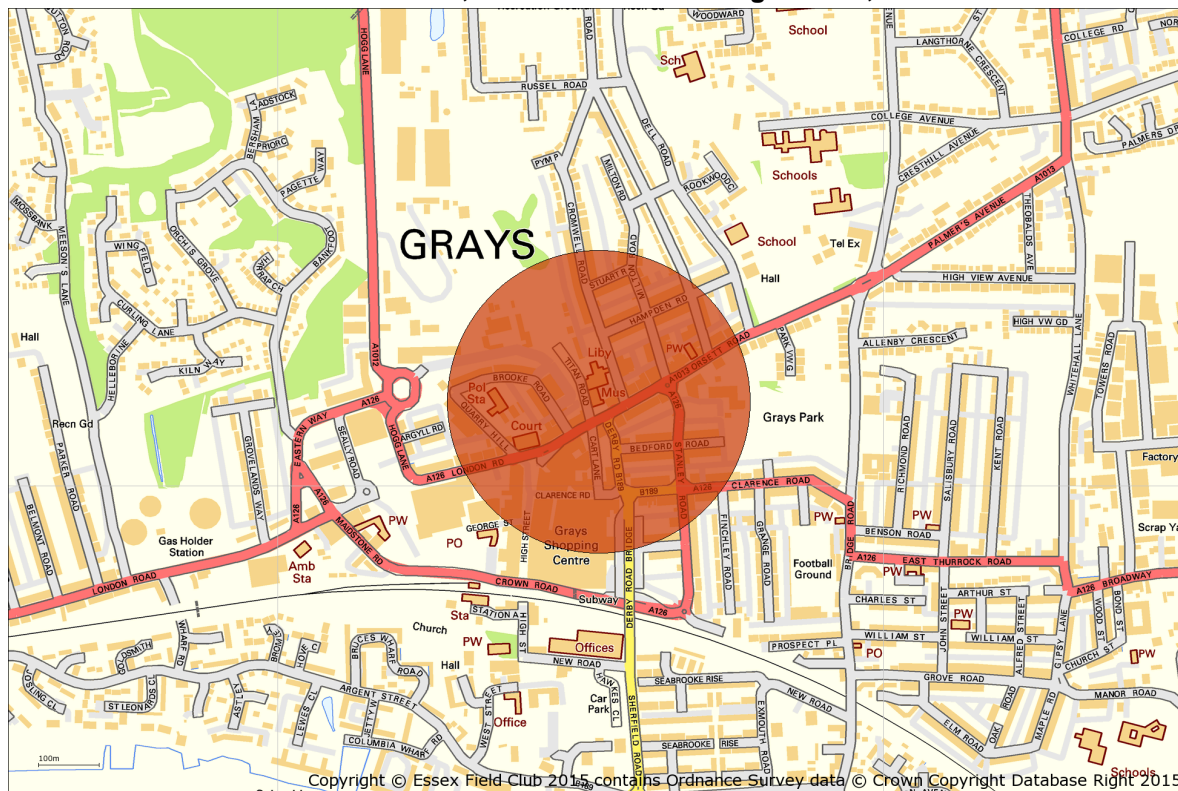
The Grays Chalk Quarries Co, was dissolved in 1954 and the abandoned workings became a haven for wildlife. The quarry is now a Site of Special Scientific Interest (SSSI) because of the wealth of chalk-loving plants. It now forms part of Chafford Gorges Nature Park and is managed by Essex Wildlife Trust.

The stratigraphy of the Chalk here, and elsewhere in the area, has been described in detail in Mortimore et al 2011.

Grays Chalk Quarry. Photo: C. Gibson



11. Thurrock Museum Sarsen Stone, Potential Local Geological Site, TQ61537814



Sarsen stone in the grounds of Thurrock Museum.

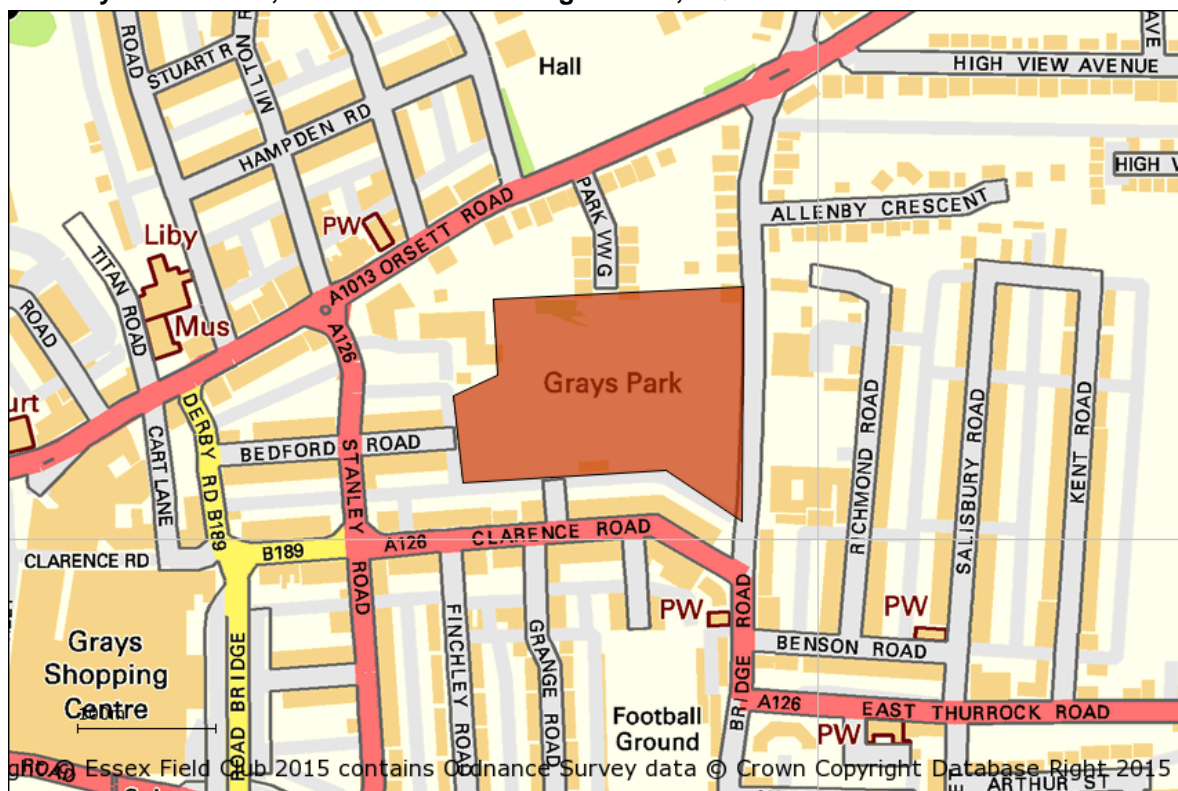
Site description

The report of a visit by the Geologists Association to Globe Pit in Whitehall lane in September 1959 records the finding of a large sarsen stone, described as six feet long and four feet wide at the southern end of the pit. This stone, which is a fine example of a sarsen stone, is now in the grounds of the library and museum in Orsett Road. In 2005 the stone was situated on the paving round the side of the museum and out of sight to the public. The curator was trying to move it to the front of the building so that it could be incorporated into a proposed landscaping scheme.

Large sarsen stones are not only encountered by quarry workers and road builders. In 1869 the journal of the Geological Society of London reported that a very large sarsen many tons in weight was found in the gravel when excavating for a cellar near Grays Church. What became of it was not stated.

Thurrock Museum contains a number of interesting fossils from the local neighbourhood including the Boatman collection, a small but historically important Victorian fossil collection which was donated to the museum in 1964. Boatman was a jeweller and watchmaker in the old Grays High Street, south of the present railway crossing.

12. Grays Town Park, Potential Local Geological Site, TQ618781



The sunken ground of Grays Town Park is a good example of a disused brick pit. The Grays brickearth was famous for the remarkable abundance of Ice Age fossil mammals which can now be seen in the Natural History Museum collections.

The Grays brickearth

The town of Grays developed around the brick-making industry which was once of great economic importance to the area. The undulating ground in various parts of Grays is the only evidence today of this industry. The sunken ground of Grays Town Park, a disused brick pit purchased by Grays Town Council in 1898, is a good example of this.

In 1804 there is a record of 500 men being employed in Grays making bricks to be shipped down the Thames for the construction of Martello towers. Seventy three of these giant towers were then being built on the south coast to resist the threat of Napoleonic invasion, each one needing half a million bricks.

The Grays brickearth was first brought to the attention of the scientific world in a paper in the 1830s (Morris 1836). The term brickearth is used here to describe the various layers of sand, silt and clay blown by the wind or deposited by the Thames during the Ice Age. It yielded a large number of spectacular fossil mammals to the workers in the Grays brick pits, which, in early Victorian times, made the town of Grays internationally famous among collectors of fossils. Fortunately one of the brick-makers was the Grays Chalk Quarries Company whose owner, Richard Meeson (1814-1871), was a fellow of the Geological Society and responsible for many of the fossils being recovered. He is commemorated by the road name of Meesons Lane in Grays.

The Grays brickearth was worked by hand and so there was the opportunity for fossils to be collected complete and undamaged. However, this often did not happen as is vividly illustrated by the

following extract from A History of British Fossil Mammals and Birds by leading Victorian palaeontologist and zoologist Richard Owen (Owen 1846 pages 249-253):

"About three years ago, the workmen in a brick-ground near the village of Grays in Essex, disinterred a quantity of bones of an enormous mammoth, which they broke up as they were discovered, and sold the fragments for three-halfpence a pound to a dealer in old bones. This traffic went on weekly for more than half a year, and accidentally came to the knowledge of Mr. R. Ball, F.G.S., a sedulous collector of fossil remains, who recovered from the workmen some magnificent bones of the fore foot, with portions of the scapula and ribs. I had the account from Mr. Ball, to whom I am indebted for casts of the bones which he was so fortunate as to rescue from the destruction that awaited them.

Most of the fossils collected from the brick pits are now preserved in the Natural history Museum in London, including the bones referred to by Owen (which turned out to be from a straight-tusked elephant). In addition to mammoth and straight-tusked elephant there are bones of lion, wolf, brown bear, hyena, rhinoceros, monkey, bison, beaver and wild boar. The fossils are thought to be from the Purfleet interglacial (Marine Isotope Stage 9) and therefore about 300,000 years old.

The spread of brickearth was almost 5.5 kilometres (4 miles) long and extended from West Thurrock to Little Thurrock but it has been almost entirely quarried away. The largest brick-pit was probably the Orsett Road Pit, the northern edge of which can be seen as a steep bank from the allotments in Whitehall Lane (TQ 623 782) west to Grays Town Park. Part of this bank is the site of the Orsett Road Section (TQ 620 782) which was a geological SSSI until it was denotified as part of the Geological Conservation Review in the late 1980s. This section contained a highly fossiliferous bed of sand yielding abundant remains of molluscs and small vertebrates (Hinton and Kennard 1898). A map of the brick pits in Grays can be found in Tylor (1869 plate VII). Other important sites in the Grays brickearth were Globe Pit SSSI and the former Tunnel Cement Works Quarry, West Thurrock (see separate site entries).

Cutmarks on bones from the brickearth pro-vides evidence that humans were living in the area at the same time as these animals. No flint tools are represented in these collections probably because the pit diggers and fossil collectors did not notice them. However, gravel associated with the brickearth in Globe Pit has produced Clactonian flint chopping tools.

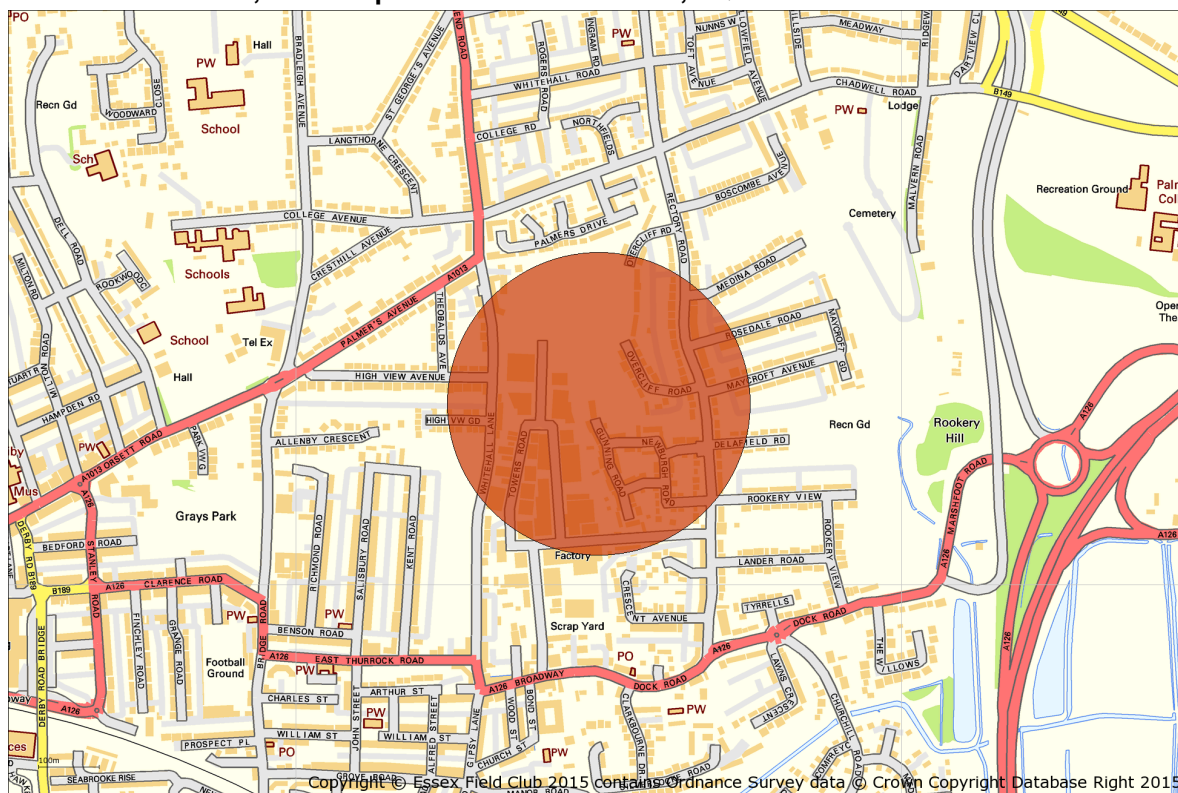
Photo:

A section through the Grays brickearth in a pit south of Orsett Road. The photograph was taken in 1901, probably during the Geologists Association field visit to Grays on 18th April of that year (Hinton 1901). By the time this photograph was taken the Grays brick industry was a thing of the past and this cliff, known as the Orsett Road Section, was one of the very last exposures of the famous Grays brickearth.

Photo © British Geological Survey (P239410).



13. Globe Pit SSSI , Site of Special Scientific Interest, TQ625783



Site of Special Scientific Interest designated for the importance of its geology.

Site description

Globe Pit in Whitehall Lane is situated to the south east of Grays town centre at Little Thurrock. Originally known as Globe Works, this old brickfield was possibly the last brickworks in Grays to close, probably around 1906. At some time it was extended and became a chalk quarry and after the First World War the old quarry floor was used as an industrial estate. The site was later used for the manufacture of concrete blocks and became known as Celcon Works. It is of geological importance because of the occurrence, on the eastern side of the pit, of Corbets Tey Lower Gravel containing abundant Palaeolithic flint tools, above which is a brickearth that was formerly very fossiliferous. The gravel and the brickearth were deposited by the River Thames (the Lynch Hill terrace) when it flowed through here about 350,000 years ago.

These Thames deposits sit on top of the Thanet Sand which in turn lies on top of the Chalk which is exposed on the floor of the quarry. The report of a visit by the Geologists Association to Globe Pit in September 1959 records the finding of a large sarsen stone, described as six feet long and four feet wide at the southern end of the pit. This stone can now be seen in the grounds of the library and museum in Orsett Road (see entry under Thurrock Museum).

The flint tools in the gravel are known as Clactonian and represent an industry that was first recognised in the cliffs at Clacton and that is based on flint flakes and cores rather than hand-axes. The occurrence of these worked flint flakes at Globe Pit, which were very numerous (up to 60 per cubic metre) and mostly in sharp or mint condition, has been the subject of considerable interest and controversy for many years. This is because Clactonian tools were considered to be primitive and therefore earlier than the more advanced industries that produced hand-axes but the position of the Globe Pit gravel in the terrace sequence meant that it was clearly younger than other gravels that

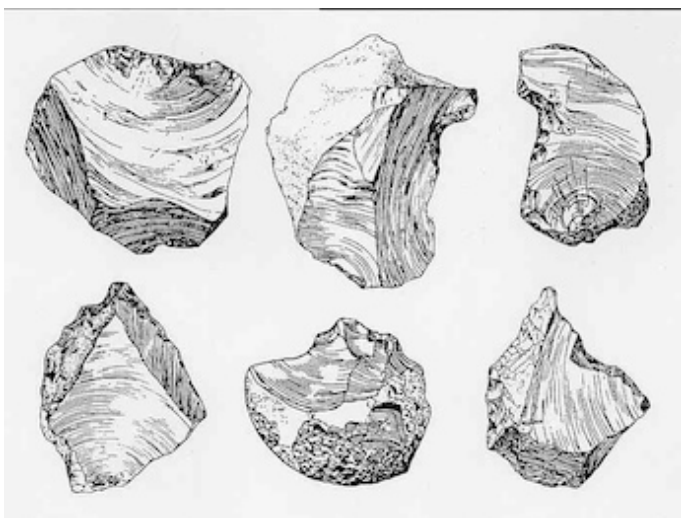
contained hand-axes (e.g. Swanscombe in Kent). As a result of the evidence from Globe Pit we now know that the Clactonian flint knap-ping tradition is not restricted to a particular period of time and the early humans that embraced this method of working flint must have colonised Britain from continental Europe several times, and were followed on each occasion by humans from other parts of Europe with different traditions.

Globe Pit is also important because the brickearth is virtually all that remains of the celebrated Grays brickearth which was extensively dug between here and Grays station during the eighteenth and nineteenth centuries for the manufacture of bricks (see separate site entry). The Grays brickearth, a fine grained silt containing fossil shells, was a rich source of spectacular Ice Age fossil mammals due to the pits being worked by hand. Surviving remnants of this deposit are valuable as no modern studies of its small vertebrate fossils has ever been carried out, studies which could yield much information about the fauna and climate of this little understood period of the Ice Age.

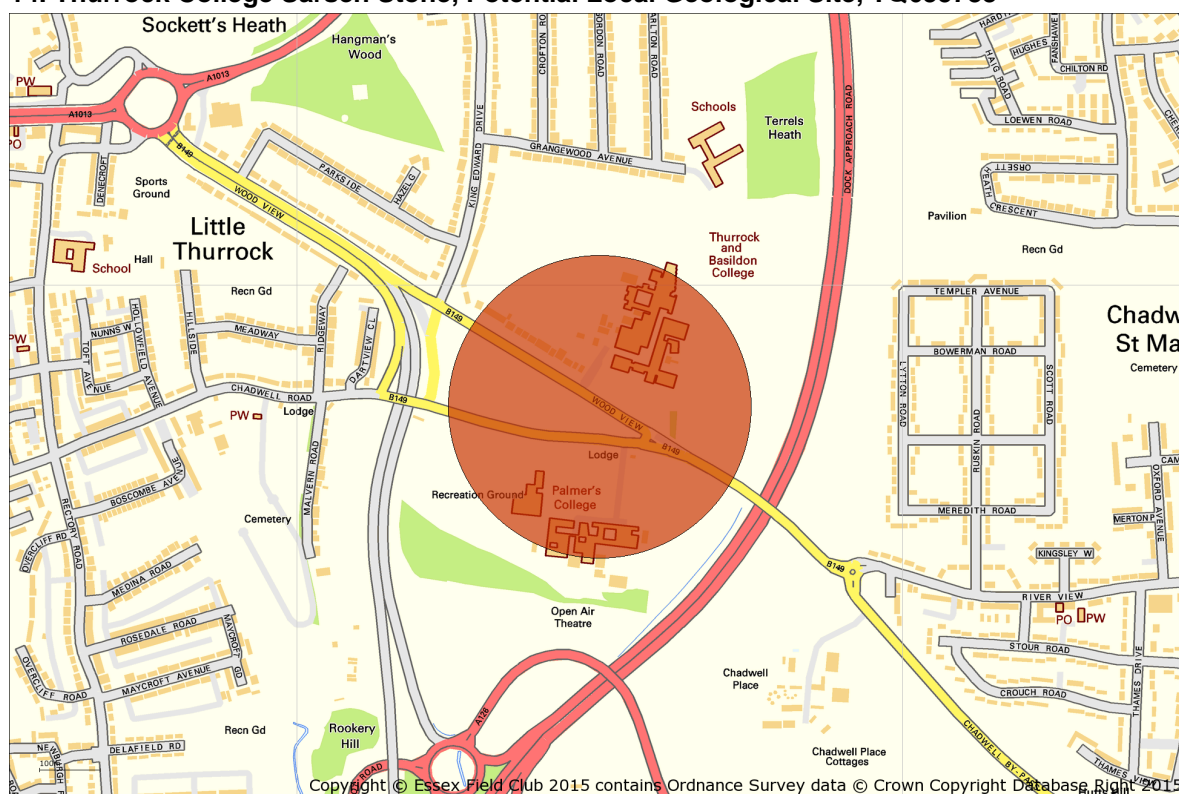
Globe Pit was first notified as a Site of Special Scientific Interest (SSSI) in 1953 and the already finite deposits were therefore given the highest level of statutory protection. Remarkably, this has made little difference and the subsequent history of this site is not a happy one. By 1980 the company occupying the quarry floor had cut back the sections to increase their storage space which resulted in the complete destruction of the remaining fossiliferous brickearth; the work being carried out without reference to the Nature Conservancy (now Natural England) despite the SSSI status. A feather edge of sterile brickearth is all that now survives above the gravel. The situation has been made worse in recent years when housing was constructed on the quarry floor with insufficient space left between the private gardens and the quarry face to allow visual and physical access to the sections, a situation created by a lack of consultation between the planning authority and Natural England.

Despite its history Globe Pit remains an important site and there is still some scope for limited excavation of the tiny reserve of implement-yielding gravel. There is no access to the site for casual visitors but visits are sometimes arranged for organised groups.

Flint tools from the brickearth at Globe Pit that were produced by human workmanship about 200,000 years ago.
Illustrations © J. Wymer



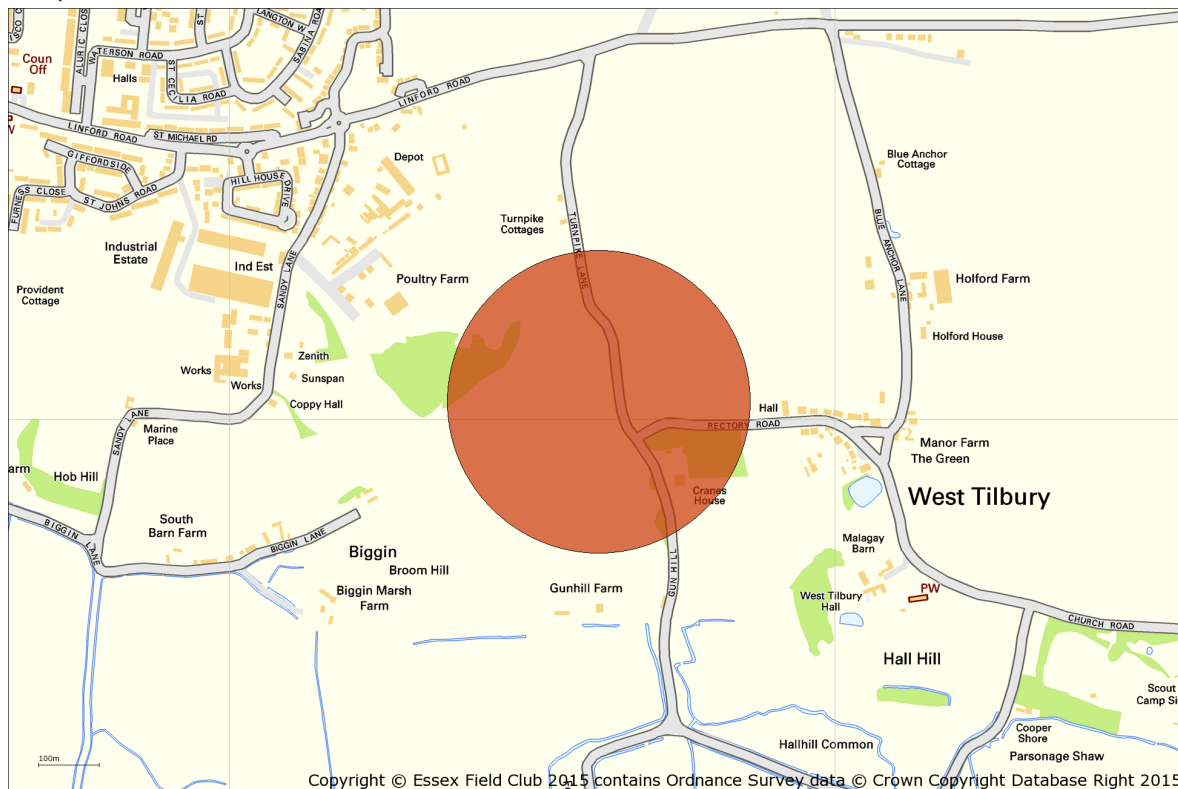
14. Thurrock College Sarsen Stone, Potential Local Geological Site, TQ635788



A fine sarsen stone (1.3 metres by 1.1 metres in size) is standing upright on the grass in front of Thurrock College. Until recently, the stone was lying flat on the paving by the college entrance. According to a former lecturer at the college it was found during nearby road construction work in the late 1960s. The stone has fine mammillated surfaces on both sides.

The stone is on land owned by Thurrock College and therefore, for security reasons, permission to examine the stone should be obtained from the college reception.

15. Gun Hill Gravel Pit, West Tilbury (also known as Broom Hill), Potential Local Geological Site, TQ65617803



Site of geological interest with potential for geological education.

Site description

The ridge of high ground between West Tilbury and Chadwell St. Mary is a high terrace of the present Thames and to the south the land falls steeply down to the Tilbury Marshes. On this ridge, at the high point known as Gun Hill (also known as Broom Hill) is a disused gravel pit with exposures of Orsett Heath Gravel, the oldest and highest of the Thames terraces.

The layers of sand and gravel were laid down by the River Thames some 380,000 years ago in the middle of the Ice Age. Close examination of the gravel reveals much about the ancient Thames and past climates. Up to 2 metres of sand and gravel is visible in the sections in various places, some showing current bedding. Some layers of pebbles show an 'imbricate' structure with the pebbles leaning in the direction of the current. Some pebbles show signs of 'frost-pitting', which indicates burial near the surface in exceptional cold, glacial conditions.

The gravel is now some 25 metres above the level of the present Thames, an excellent example of the erosion that has taken place over this period of time. This is demonstrated by the fine view that can be had from here across the Tilbury Marshes to the modern river. The site is, in effect, a fossil cliff line and is well placed to explain the loop of the Thames around Tilbury.

Four Palaeolithic hand-axes have been found on Gun Hill but it is not clear whether they came from the Orsett Heath Gravel.

The pit is part of Broom Hill Local Wildlife Site.

Additional geological Site Information

The following general geological sites have also been identified. Further information is available from www.essexfieldclub.org.uk/portal/p/A-Z+Geological+Site+Index

Hangmans Wood Deneholes
Chadwell St Mary Sarsen Stone

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