

A47 North Tuddenham to Easton Dualling

Scheme Number: TR010038

6.3 Environmental Statement Appendices
Appendix 8.3 - Terrestrial Invertebrate Survey
Report

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

March 2021



Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

The A47 North Tuddenham to Easton Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT APPENDICES Appendix 8.3 - Terrestrial Invertebrate Survey Report

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WILD FRONTIER ECOLOGY

A47 North Tuddenham to Easton



Terrestrial Invertebrate Survey Report

December 2019



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The data which we have prepared and provided is accurate, and has been prepared and provided in accordance with the CIEEM's Code of Professional Conduct. We confirm that any opinions expressed are our best and professional bona fide opinions.





This report conforms to the British Standard 42020:2013 Biodiversity - Code of practice for planning and development.



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1. Non-technical Summary

Wild Frontier Ecology was commissioned to undertake terrestrial invertebrate surveys on a proposed re-routing and dualling of the A47 trunk road between North Tuddenham and Easton.

Areas for survey were selected following a botanical survey of the proposed route corridor, which also collected some casual invertebrate records. Selected areas included those with an apparently high insect diversity, high plant diversity, and consequently good sources of nectar and pollen.

Surveys were carried out using a variety of methods, including vacuum sampling, sweep netting, lightweight butterfly net and beating tray. Samples were taken and preserved in alcohol, with identification being carried out offsite. Expert help was enlisted where necessary (spiders and some flies and parasitica).

A total of 384 species of invertebrate were located along the route, with ten species of elevated conservation status being identified. Three areas of district value for invertebrates were identified - off Church Lane, East Tuddenham (Unit TU), south of Hall Farm, Honingham (Hall Farm Meadows), and off Mattishall Road, Hockering (Unit 88). A further area, Easton Church fields, is considered to be of local value.

Only one area is advised for further survey - Units K,L and RY1, which could not be accessed for survey during 2019 because of continuous livestock presence.

The impacts on each of these areas is considered. Impacts are thought to be possible to either mitigate or compensate for - however, the mitigation for Hall Farm, Honingham may require some offsite ecological compensation.

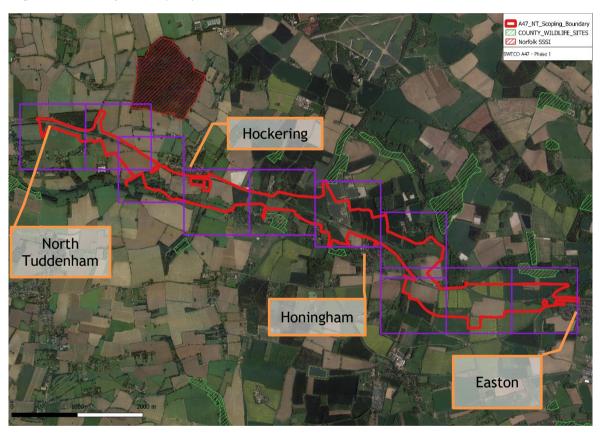


2. Background

Wild Frontier Ecology was commissioned in late June 2019 to undertake terrestrial invertebrate surveys on a proposed re-routing and dualling of the A47 trunk road between North Tuddenham and Easton, Norfolk. The route is shown in Figure 1.

There was a previous study completed in 2017¹ - however this study was limited to the western end of the route (where the survey boundary had changed), and was constrained by the late season (September) and poor weather. Therefore, a revised survey method was proposed which encompassed more of the route, at an optimum time of year.

Figure 1. Survey Area (red).



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¹ AMEY, (2017). A47 Tuddenham, Norfolk. Terrestrial Invertebrate Survey (interim).



3. Relevant Legislation and Policy

3.1 Statutory and Non-statutory Site Designations

3.1.1 International (European) Site Designations

The European Council Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora (92/43/EEC) as amended directs the designation of important wildlife sites through the European Community as Special Areas of Conservation (SACs), and gives statutory protection to habitats and species listed in the Directive as being threatened or of community interest. Sites identified as candidate SAC (cSAC) are provided with the same level of protection as SAC.

Annex I of 92/43/EEC as amended lists habitat types which are regarded as being of European importance. Included within these are a number of 'priority habitat types' which are habitats regarded as being in danger of disappearance and whose natural range falls broadly within the European Union. This European law had been transposed into UK legislation by The Conservation (Natural Habitats) & Regulations 1994, now replaced by The Conservation of Habitats and Species Regulations 2017.

Habitats of European-wide importance for birds are listed under the EC Wild Birds Directive (79/409/EEC) as amended. Habitats designated under this Directive are notified as Special Protection Areas (SPAs) and are identified for holding populations > 1% of the reference population as defined in Appendix 4 of the SPA review of bird species listed in Annex 1 of the same Council Directive. Sites identified as potential SPA (pSPA) are provided with the same level of protection as SPA.

Wetlands of International Importance are designated under the Ramsar Convention.

3.1.2 National (UK) Site Designations

National ecological designations, such as Sites of Special Scientific Interest (SSSIs) and National Nature Reserves (NNRs) are also afforded statutory protection. SSSIs are notified and protected under the jurisdiction of the Wildlife and Countryside Act 1981 (WCA 1981) as amended. SSSIs are notified based on specific criteria, including the general condition and rarity of the site and of the species or habitats supported by it.

3.1.3 Non-Statutory County Site Designations

Local authorities may designate certain areas as being of local conservation interest. The criteria for inclusion may vary between areas. Most individual counties have a similar scheme, within Norfolk such sites are designated as County Wildlife Sites (CWS). Designation of such sites does not itself confer statutory protection, but they are a material consideration when planning applications are being determined.

3.2 Species Designation and Protection

Over the past thirty years, numerous lists of conservation status have been produced: Red Lists, Biodiversity Action Plan Priority Lists, species listed on European Directives, species listed on the Schedules of the Wildlife & Countryside Act, together with lists of



rare and scarce species. There is considerable overlap between these and some species appear on several of them.

Some inverterbrate species are afforded legal protection under the Wildlife and Countryside Act 1981. Nine of these species occur in Norfolk. These are:

Chalkhill Blue Butterfly
 Silver-studded Blue Butterfly
 Purple Emperor Butterfly
 Apatura iris

White Letter Hairstreak Butterfly Stymonida w-album
 Swallowtail Butterfly Papilio machaon

White-clawed Crayfish Austropotamobius pallipes

Norfolk Hawker Dragonfly
 Aeshna isosceles

Fairy Shrimp Chirocephalus diaphanus
 Fen Raft Spider Dolomedes plantarius

There are species listed on Section 41 of the NERC Act 2006, known as Priority Species, which require specific consideration in the planning process. See section 3.3 below.

Other species have been afforded conservation status because of their rarity, local distribution or lack of knowledge of the species. Status at this level is not legal, but requires consideration within ecological impact assessment. Categories are as follows:

- Red Data Book category 1 (RDB 1) Endangered. Definition. Taxa in danger of extinction in Great Britain and whose survival is unlikely if the causal factors continue operating. Included are those taxa whose numbers have been reduced to a critical level or whose habitats have been so dramatically reduced that they are deemed to be in immediate danger of extinction. Also included are some taxa that are possibly extinct. Criteria. Species which are known or believed to occur as only a single population within one 10 km square of the National Grid. Species which only occur in habitats known to be especially vulnerable. Species which have shown a rapid or continuous decline over the last twenty years and are now estimated to exist in five or fewer 10 km squares Species which are possibly extinct but have been recorded this century and if rediscovered would need protection.
- Red Data Book category 2 (RDB 2) Vulnerable. Definition. Taxa believed likely to move into the endangered category in the near future if the causal factors continue operating. Included are taxa of which most or all of the populations are decreasing because of over-exploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously depleted and whose ultimate security is not yet assured; and taxa with populations that are still abundant but are under threat from serious adverse factors throughout their range. Criteria. Species declining throughout their range. Species in vulnerable habitats.
- Red Data Book category 3 (RDB 3) Rare. Definition. Taxa with small populations in Great Britain that are not at present endangered or vulnerable, but are at risk. These taxa are usually localised within restricted geographical areas or habitats or are thinly scattered over a more extensive range. Criterion. Species which are estimated to exist in only fifteen or fewer 10 km squares. This criterion may be relaxed where populations are likely to exist in over fifteen 10 km squares but occupy small areas of especially vulnerable habitat.
- Red Data Book category 4 (RDB 4) Out of Danger. Definition. Taxa formerly
 meeting the criteria of one of the above categories, but which are now considered



- relatively secure because effective conservation measures have been taken or the previous threat to their survival in Great Britain has been removed.
- Red Data Book category 5 (RDB 5) Endemic. Definition. Taxa which are not known to occur naturally outside Great Britain. Taxa within this category may also be in any of the other RDB categories or not threatened at all.
- Red Data Book Appendix (RDB app.) Extinct. Definition. Taxa which were formerly native to Great Britain but have not been recorded since 1900.
- Red Data Book category I (RDB I) Indeterminate. Definition. Taxa considered to be Endangered Vulnerable or Rare in Great Britain but where there is not enough information to say which of the three categories (RDB 1 to 3) is appropriate.
- Red Data Book category K (RDB K) Insufficiently Known. Definition. Taxa in Great Britain that are suspected but not definitely known, to belong to any of the above categories, because of lack of information.
- Nationally Rare is conventionally defined as species which are found in 15 or fewer hectads.
- Nationally Scarce (also termed Nationally Notable) relates to species which are found in between 16 and 100 hectads. This category is subdivided into Nationally Scarce (Nationally Notable) A—species found in 16 to 30 hectads, and Nationally Scarce (Nationally Notable) B—species found in between 31 and 100 hectads.
- A status of **Local** is also sometimes used, referring to species found in between 101 and 300 hectads.

3.3 Priority Species and Habitats

Other priority species and habitats which are a consideration under the National Planning Policy Framework (NPPF) 2019, placing responsibility on Local Planning Authorities to aim to conserve and enhance biodiversity and to encourage biodiversity in and around developments. There is a general biodiversity duty in the Natural Environment and Rural Communities (NERC) Act 2006 (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'. Biodiversity, as covered by the Section 40 duty, includes all biodiversity, not just the Habitats and Species of Principal Importance.

Section 41 of the NERC Act lists a number of species and habitats as being Species/Habitats of Principal Importance. These are species/habitats in England (also known as Priority Habitats/ Species) which had been identified as requiring action under the UK BAP, and which continue to be regarded as conservation priorities under the UK Post-2010 Biodiversity Framework. The protection of either Priority Species or Habitats is not statutory, but "specific consideration" should be afforded by Local Planning Authorities when dealing with them in relation to planning and development control. Also, there is an expectation that public bodies would refer to the Section 41 list when complying with the Section 40 duty.

Widespread Priority Invertebrate Species in East Anglia (which have no specific legal protection) include:

- Small heath butterfly Coenonympha pamphilus
- Wall butterfly Lasiommata megera

http://www.naturalengland.org.uk/ourwork/conservation/biodiversity/protectandmanage/habs and species importance.aspx

Terrestrial Invertebrate Survey Report

² JNCC (2015) UK BAP priority species and habitats



• Cinnabar moth *Tyria jacobaeae*



3.4 Policy

The overarching policy guidance for biodiversity is included within the National Planning Policy Framework (NPPF³). Section 15 of this document (Conserving and Enhancing the Natural Environment) outlines the approach that Local Authorities should adopt when considering ecological issues within the planning framework, including the principles of the Mitigation Hierarchy. This espouses that in addressing impacts on valued features, avoidance should be the first option considered, followed by mitigation (minimising negative impacts). Where avoidance and mitigation are not possible, compensation for loss of features can be used as a last resort. Paragraphs 170, 174 and 175 of the NPPF give policy support to the provision of measurable **net gains** in biodiversity. Paragraph 174 specifies that plans should identify, map and safeguard components of local wildliferich habitats and wider ecological networks, including locally designated sites (such as CWS); and promote the conservation, restoration and enhancement of priority habitats and ecological networks and the protection and recovery of priority species.

The National Policy Statement for National Networks (2014) states "development should avoid significant harm to biodiversity and geological conservation interests, including through mitigation and consideration of reasonable alternatives. The applicant may also wish to make use of biodiversity offsetting in devising compensation proposals to counteract any impacts on biodiversity which cannot be avoided or mitigated. Where significant harm cannot be avoided or mitigated, as a last resort, appropriate compensation measures should be sought."

³ MHCLG (2019). National Planning Policy Framework. UK Government.

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4. Methods

4.1 Report Objectives

The objectives of this report are to identify habitats within the survey boundary which are important for terrestrial invertebrate populations, and whether any of the assemblages or taxa were of ecological value; which will then ultimately feed into an impact assessment for the proposed scheme, but may also help at this stage in deciding on the precise scheme design.

4.2 Desk Study

No desk study was requested to support this study. It is assumed that a data search will be undertaken as part of the impact assessment at a later stage.

4.3 Field Survey

Survey work was commenced as soon as possible after commission in late June 2019. An initial walkover of the survey area was undertaken by Robert Yaxley BSc CEcol CEnv MCIEEM and Adam Stickler BSc MSc on 16 17 July 2019. This survey concentrated on botanical features, but casual records of invertebrates were collected during the survey, and it gave the surveyors an opportunity to evaluate likely invertebrate-rich habitats within the survey area. Aside from botanical diversity, other structural and hydrological features were also considered, such the presence of dead wood, ephemeral hydrological features and habitat mosaics. The following three visits were subsequently made by R. Yaxley and A. Stickler to selected areas to undertake intensive invertebrate sampling:

- 22 July 2019 Unit TU (East Tuddenham) and Unit 88 south (Hockering). 09.30 to 16.00. Dry with a light SW breeze, 20-28°C, cloud cover 50% to 0.
- 7 August 2019 -Hall Farm Meadows, Honingham. 09.00 to 13.30. light winds, 22-25°C, 50-100% cloud cover.
- 5 September 2019 Easton Church fields and Unit 88 north (Hockering).

Sampling methods included vacuum sampling (McCulloch Partner GBV325 Garden Vacuum), sweep net, lightweight butterfly net, and beating tray. Samples were collected, and placed in 100% alcohol on site, and then preserved until sorted and identified. Photographs were taken on site, and also of selected specimens for identification.

Identifications were largely made by R.Yaxley using current literature and online resources. Where identifications could not be made by R.Yaxley, they were sent to external specialists for confirmation - Richard Wilson CEnv MCIEEM Mem.RES for spiders, and Dr Tony Irwin (Norfolk insect recorder) for flies.

4.4 Constraints and Limitations of Survey

The surveys suffered no particular constraint due to land access, except that the presence of livestock limited safe survey access to the wet meadows at Hall Farm Meadows in August.

The surveys are not, and were never designed to be, a complete inventory of invertebrates on the sites; they simply provide an indication of the site's value.

The first survey point in late July would have been too late to record many early-season species, and thus the results are limited by a time constraint. The third survey was



undertaken in early September, when even in favourable weather, invertebrate populations are tailing off. However, in view of the data and species accumulated, it is considered that early season surveys would be unlikely to alter the evaluation of each site's ecological value to invertebrates. Further surveys are therefore not advised.



5. Results

5.1 Site Survey

Five sites were selected for intensive survey were located by the walkover on 16^{th} / 17^{th} July 2019.

The survey is not intended to be exhaustive but sufficient to enable an evaluation of a site (or compartment's) nature conservation value (or words to this effect). Focus was on those groups (beetles, bugs, flies etc) that can be reliably identified to species level, have up to date species' status, and good understanding of their distribution in Britain and their ecologies etc.

The targeted and walkover surveys combined identified 384 species of invertebrate overall within the survey area. Full results are given in Appendix 1. The habitats surveyed were mainly grasslands and the adjacent hedgerows, with the following variation and invertebrate diversity:

Table 1. Sampled sites - Results

Site	Habitat	Number species record	es	Conservation status species
Unit TU	Calcareous sandy grassland with high plant diversity and some structural variation	153		A flea beetle Longitarsus ganglbaueri (Nationally Scarce) A ground bug Graptopeltus lynceus (Nationally Scarce Nb) Breckland Plume Moth Oxyptilus distans (Nationally Scarce Nb) Five-banded Weevil-wasp Cerceris quinquefasciata (RDB3, Priority Species)
Unit 88 South	Scrub and rabbit-grazed grassland on brownfield site	78	139 species Unit 88 overall	Adonis Ladybird <i>Hippodamia variegata</i> (Nationally Scarce Nb) Oak Pinhole Borer beetle <i>Platypus</i> cylindrus (Nationally Scarce Nb)
Unit 88 North	Tall grassland and gorse/ bramble scrub	77		A Ground bug Graptopeltus lynceus (Nationally Scarce Nb) A weevil Apion rubiginosum (RDB3) An opomyzid fly Geomyza majuscula (Nationally Scarce Nb) An opomyzid fly Geomyza subnigra (Nationally Scarce Nb)
Hall Farm Meadows	River bank and damp meadows transitioning to drier grassland and scrub	143		A weevil Acalyptus carpini (Nationally Scarce Nb) A rove beetle Sepedophilus nigripennis (Nationally Scarce Nb)
Easton Church Fields	Small neglected pastures with mature hedgerows	93		None

In addition to the species given above, the priority species Cinnabar moth *Tyria jacobaeae* was also recorded. This is listed as a Priority Species, along with other common



moth species, for research purposes, but does not have equivalent conservation value to nationally scarce or rare species.

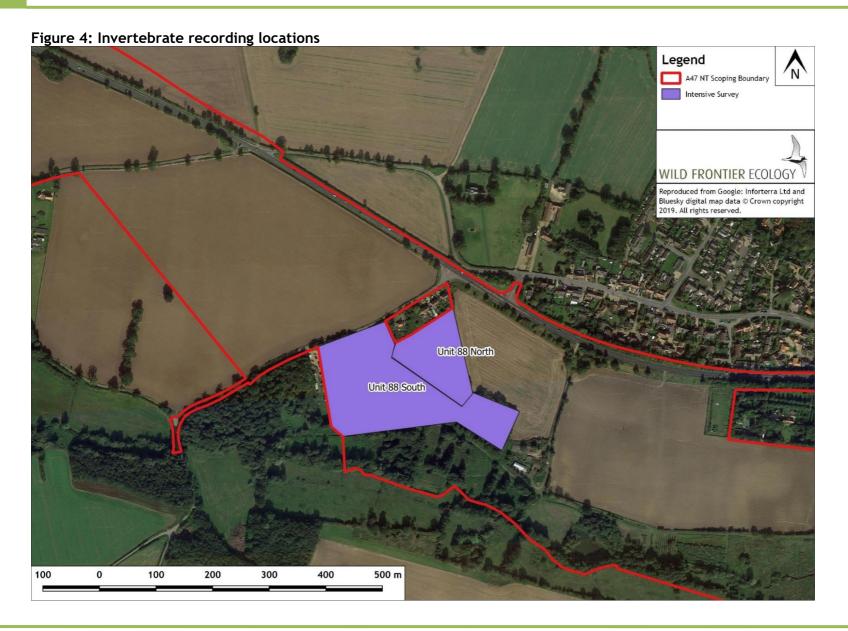
5.2 Casual Records

The casual records (made during the botanical walkover on 16-17 July 2019) included 99 records of 48 species. None of these had any elevated conservation status, but included indicator species for good quality invertebrate habitat, such as brown argus butterfly *Aricia agestis*.

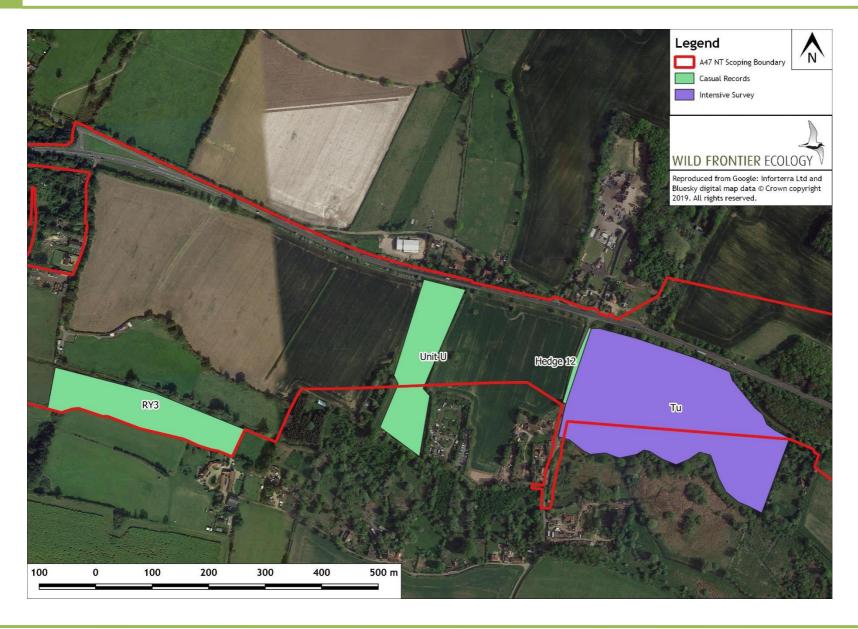
5.2.3 Protected and valued species potential

Of the protected species in Norfolk, most are habitat specialists which would be very unlikely to occur within the survey area. The two exceptions are white letter hairstreak, which could occur in any tall hedgerows with elm, its foodplant; and Norfolk hawker, which is expanding its range and could occur in wetland ditches such as those at Hall Farm Meadows.

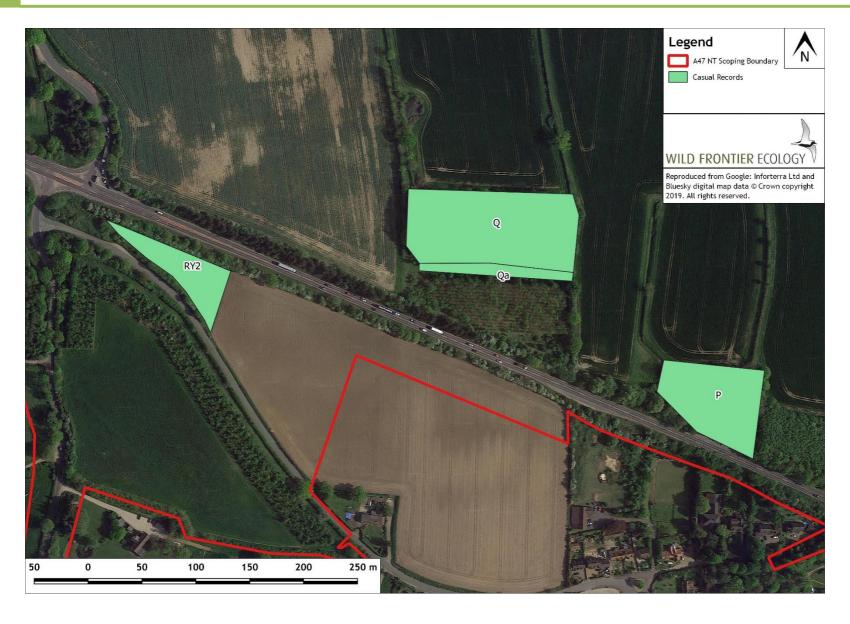




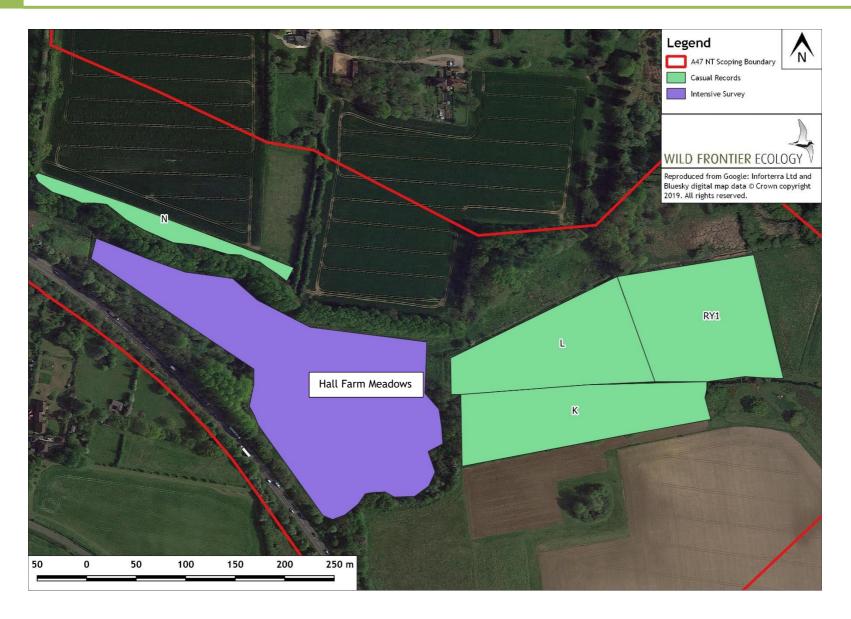


















6. Site Evaluation

Italicised words are used in the technical sense defined within the CIEEM guidance⁴. This refers to the geographical context of the impact or effect. Hence, the following geographical frame of reference will be used to describe the ecological impacts and effects, or adapted to suit local circumstances:

- International and European
- National
- Regional
- County
- District*
- Local

*District level is not listed in the EcIA guidance, but is included within WFE reports as it is a useful and readily identifiable geographic unit.

The local/parish geographical context for the proposal site is defined here as the collective civil parishes of North Tuddenham, Hockering, East Tuddenham and Easton. The district context is defined as the catchment of the River Tud, in which the site is situated. The county context is Norfolk, and the region is East Anglia.

The surveyed habitats of Unit TU and Unit 88 are relatively frequent in the local landscape, and of recent origin. Both were cultivated land until quite recently (see botanical report) and the grassland and scrub habitat contains no scarce or long-established plant species. Easton Hall Farm is a longer-established floodplain grassland, but the habitat is found in floodplains in upper river valleys throughout East Anglia. The fields around Easton church are a relatively common semi-improved neutral grassland type.

Using the Pantheon analysis tool⁵ it is clear that none of the invertebrate assemblages are close to predicted favourable conservation status threshold for the habitat types concerned.

The presence of several species of elevated conservation status at both Unit TU and Unit 88 indicates that they both have some value as habitats for invertebrates, suggested at the geographic reference level of **district** value. Hall Farm Meadows has high potential diversity, and supports a couple of notable species, so is also rated at **district** value. Easton Church fields also have some value, although it is considered that their value will be at a lower level (**local**) than the other three sites.

6.1 Further Survey Requirements

Some areas which were identified as being of potential value for invertebrates during the walkover were not intensively surveyed. These included the extensive wet meadows east of the surveyed area at Hall Farm Meadows (units K, L and RY1), which were grazed by cattle throughout the survey period and could not be effectively surveyed for that reason. It is advised that ideally these areas should be further investigated - however, this would have to be done at a time when no livestock were present.

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⁴ CIEEM (2018) Guidelines for Ecological Impact Assessment in the UK and Ireland: 3rd edition. Chartered Institute of Ecology and Environmental Management, Winchester

⁵ https://www.brc.ac.uk/pantheon



Apart from these areas, no further surveys are advised at this stage; however, it may be that certain areas become more critical through the site selection process, and further investigations are required. Such investigations could include an expansion of invertebrate sampling techniques, or surveys by experts who specialise in particular invertebrate groups.



7. Impacts Overview

The EcIA guidelines espouse a quantification of impact/effect magnitude where possible. Where this is not available or uncertain, impact magnitude categories and criteria are defined based on Byron (2000)⁶. These categories are often also used as shorthand to summarise magnitude.

- Major negative that which has a harmful effect on the integrity of a conservation site or the conservation status of a population of a species within a defined geographical area; e.g., fundamentally reduces the capacity to support wildlife for the entirety of a conservation site, or compromises the persistence of a species' population at a defined locality.
- Intermediate negative that which has no adverse effect on the integrity of a conservation site or the conservation status of a species' population, but does have an important adverse effect in terms of achieving certain ecological objectives; e.g., sustaining target habitat conditions and levels of wildlife for a conservation site, or maintaining population growth for a species.
- *Minor negative* some minor detrimental effect is evident, but not to the extent of the above.
- Neutral that which has no predictable effect.

7.1 Unit TU

The north-west corner of this area is currently due to be taken up with the proposed route of the A47. This would represent an **intermediate negative** impact on this invertebrate habitat valued at district level, and will therefore require mitigation. Ideally the habitat could be avoided by adjusting the road route. If some incursion is unavoidable, this is a habitat with a level of replaceability, as the field was in cultivation until at least 2006 (from aerial imagery). Provided the majority of the existing habitat was retained, replacement habitat could be found in the area, perhaps in field areas cut off by the re-routing, perhaps supplemented by grassland management in the new road cutting. If the overall area of species-rich calcareous sandy grassland was increased through mitigation, this could result in a biodiversity net gain. Remaining areas should be managed in order to provide continuity of invertebrate habitat.

7.2 Unit 88

This is due to be bisected by the proposed route of the A47. This would represent a **major negative** impact on this invertebrate habitat valued at district level, and will therefore require mitigation. Ideally the habitat could be avoided by adjusting the road route.

From aerial photographs it is apparent that this habitat has been grassland since at least 1999, and possibly as far back as 1988, although it was arable cultivation in 1946⁷. The southern part and central track shows some evidence of having been disturbed since 1988, or had material placed within it. There appears to have been little or no management of the site since 1999. Overall it looks to be moderately replaceable, and the scrub and neutral grassland is not an unusual habitat in a district/ county context. However it will require mitigation, and as with Unit TU the area of habitat lost should be

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⁶ Byron H. (2000) Biodiversity Impact - Biodiversity and environmental impact assessment: a good practice guide for road schemes. The RSPB, WWF-UK, English Nature and the Wildlife Trusts, Sandy ⁷ http://www.historic-maps.norfolk.gov.uk/mapexplorer/



replaced by creation of new invertebrate habitat of a similar type in the area, preferably close to the existing habitat. Remaining areas should be managed in order to provide continuity of invertebrate habitat.

7.3 Hall Farm Meadows

The meadows are due to be bisected by the new route of the A47, which will also cross the River Tud. This would represent a **major negative** impact on this invertebrate habitat, valued at district level, and will therefore require mitigation. Impacts may depend on the means of crossing the area, but are likely to envelop some of the invertebrate habitat present. The habitats might be more challenging to mitigate, as they are less replaceable than the drier grasslands, and may require offsite compensation. Remaining areas should be managed in order to provide continuity of invertebrate habitat.

7.4 Easton Church fields

The northern boundary may be affected by the new route of the A47. However the bulk of the site will remain intact, and given its lower value for invertebrates, no invertebrate-related mitigation is anticipated for this area.



9. Conclusions

Most of the effects on invertebrate habitats of district importance should be straightforwardly mitigated, with the exception of the Unit at Hall Farm Meadows (cross refer to botanical report, Unit RYW and Unit L).

Clearly the results are somewhat limited by the restricted season of survey, but it is considered that they provide a good representation of both the most valued areas and the relative diversity thereof.



Appendix 1. Invertebrate Species List

		English name (where		Conservation
Order	Species	present)	Location	Status
Arachnida	Araneus marmoreus	Spider	EHF	
Arachnida	Araneus quadratus	Spider	ECF	
Arachnida	Enoplognatha latimana	Spider	Unit TU	
Arachnida	Eratigena agrestis	Spider	ECF	
Arachnida	Floronia bucculenta	Spider	88/2	
Arachnida	Heliophanus flavipes	Spider	Unit TU	
Arachnida	Mangora acalypha	Spider	Unit TU	
Arachnida	Microlinyphia pusilla	Spider	EHF	
Arachnida	Neriene clathrata	Spider	EHF	
Arachnida	Ozyptila brevipes	Spider	88/2	
Arachnida	Pachygnatha clercki	Spider	EHF	
Arachnida	Pardosa amentata	Spider	Unit TU	
Arachnida	Pardosa pullata	Spider	EHF	
Arachnida	Pardosa pullata	Spider	Unit TU	
Arachnida	Pisaura mirabilis	Nursery web spider	Hedgerow 12	
Arachnida	Pisaura mirabilis	Nursery web spider	RY3	
Arachnida	Pisaura mirabilis	Nursery web spider	Unit TU	
Arachnida	Platnickina tincta	Spider	Unit TU	
Arachnida	Tenuiphantes tenuis	Spider	EHF	
Arachnida	Xysticus cristatus	Spider	Unit TU	
Arachnida	Xysticus cristatus	Spider	88/2	
Arachnida	Xysticus ulmi	Spider	ECF	
Arachnida	Zora spinimana	Spider	88/2	
Coleoptera	Acalyptus carpini	Weevil	EHF	Nb
Coleoptera	Amara apricaria	Ground beetle	EHF	
Coleoptera	Anotylus complanatus	Rove beetle	EHF	
Coleoptera	Anotylus rugosus	Rove beetle	ECF	
Coleoptera	Apion frumentarium	Weevil	ECF	
Coleoptera	Apion rubiginosum	Weevil	88/2	RDB3
Coleoptera	Bembidion biguttatum	Ground beetle	ECF	
Coleoptera	Bembidion biguttatum	Ground beetle	EHF	
Coleoptera	Bembidion quadrimaculatum	Ground beetle	88/2	
Coleoptera	Bradycellus harpalinus	Ground beetle	EHF	
Coleoptera	Bruchus rufimanus	Bean seed beetle	88/2	
Coleoptera	Cantharis nigra	Soldier beetle	Unit P	
Coleoptera	Cartodere bifasciata	Mould beetle	ECF	
Coleoptera	Cassida flaveola	Tortoise beetle	88/1	
Coleoptera	Cassida flaveola	Tortoise beetle	Unit TU	
Coleoptera	Cassida vibex	Tortoise beetle	88/1	
Coleoptera	Cassida vittata	Tortoise beetle	Unit TU	



		English name (where		Conservation
Order	Species	present)	Location	Status
Coleoptera	Ceratapion carduorum	Weevil	88/2	
Coleoptera	Ceratapion gibbirostre	Weevil	ECF	
Coleoptera	Ceutorhynchus obstrictus	Cabbage flea weevil	88/1	
Coleoptera	Ceutorhynchus pallidactylus	Weevil	88/1	
Coleoptera	Ceutorhynchus pallidactylus	Weevil	EHF	
Coleoptera	Ceutorhynchus pallidactylus	Cabbage stem weevil	Unit TU	
Coleoptera	Ceutorhynchus typhae	Weevil	EHF	
Coleoptera	Chrysolina herbacea	Mint leaf beetle	Unit RY1	
Coleoptera	Coccidula rufa	Ladybird	Unit TU	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	88/1	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	88/2	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	ECF	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	EHF	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	RY2	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	Unit Qa	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	Unit RY1	
Coleoptera	Coccinella septempunctata	Seven spot ladybird	Unit TU	
Coleoptera	Corticaria sp	Beetle, poss longicornis	EHF	
Coleoptera	Crepidodera aurata	Willow flea beetle	ECF	
Coleoptera	Cryptocephalus pusillus	Leaf beetle	EHF	
Coleoptera	Cryptocephalus pusillus	Leaf beetle	Unit TU	
Coleoptera	Curculio glandium	Weevil	88/2	
Coleoptera	Demetrias atricapillus	Ground beetle	88/2	
Coleoptera	Demetrias atricapillus	Ground beetle	ECF	
Coleoptera	Eutrichapion vorax	Weevil	ECF	
Coleoptera	Glocianus punctiger	Weevil	ECF	
Coleoptera	Harmonia axyridis	Harlequin ladybird	88/1	
Coleoptera	Harmonia axyridis	Harlequin ladybird	EHF	
Coleoptera	Hippodamia variegata	Adonis ladybird	88/1	Nb
Coleoptera	Hypera pollux	Weevil	EHF	
Coleoptera	Hypera venusta	Weevil	Unit TU	
Coleoptera	Lagria hirta	Hairy beetle	88/1	
Coleoptera	Lema cyanella	Leaf beetle	Unit TU	
Coleoptera	Longitarsus flavicornis	Flea beetle	88/1	
Coleoptera	Longitarsus flavicornis	Flea beetle	88/2	
Coleoptera	Longitarsus flavicornis	Flea beetle	EHF	
Coleoptera	Longitarsus flavicornis	Flea beetle	Unit TU	
Coleoptera	Longitarsus ganglbaueri	Flea beetle	Unit TU	LC:NS
Coleoptera	Malachius bipustulatus	Malachite beetle	Unit TU	
Coleoptera	Meligethes sp	Pollen beetle	EHF	
Coleoptera	Mogulones asperifoliarum	Weevil	ECF	
Coleoptera	Nedyus quadrimaculatus	Weevil	Unit TU	



		English name (where		Conservation
Order	Species	present)	Location	Status
Coleoptera	Neocrepidodera transversa	Flea beetle	Unit TU	
Coleoptera	Nephus redtenbacheri	Ladybird	Unit TU	
Coleoptera	Oedemera lurida	Flower beetle	88/1	
Coleoptera	Oedemera lurida	Beetle	EHF	
Coleoptera	Oedemera lurida	Beetle	Unit TU	
		Thick legged flower		
Coleoptera	Oedemera nobilis	beetle	88/1	
		Thick legged flower		
Coleoptera	Oedemera nobilis	beetle	EHF	
Coleoptera	Oedemera nobilis	Thick-legged flower beetle	Unit RY1	
Coleoptera	Oulema melanopus/	beetie	OHICKTI	
Coleoptera	rufocyanea	Cereal leaf beetle	Unit TU	
Coleoptera	Oulema sp	Leaf beetle	88/2	
Coleoptera	Oulema sp	Leaf beetle	ECF	
Coleoptera	Oulema sp	Leaf beetle	EHF	
Coleoptera	Paradromius linearis	Ground beetle	88/1	
Coleoptera	Paradromius linearis	Ground beetle	88/2	
Coleoptera	Paradromius linearis	Ground beetle	Unit TU	
Coleoptera	Paradromius Iongiceps	Ground beetle	ECF	
Coleoptera	Phaedon cochleariae	Watercress beetle	EHF	
Coleoptera	Phyllotreta diademata	Flea beetle	EHF	
Coleoptera	Phyllotreta undulata	Small striped flea beetle	EHF	
Coleoptera	Platypus cylindrus	Oak pinhole borer	88/1	Nb
Сотеортега	Propylea Propylea	Oak pilliole borer	00/1	IND
Coleoptera	quatuordecimpunctata	14 spot ladybird	88/1	
- CONCERPOONE	Propylea			
Coleoptera	quatuordecimpunctata	14 spot ladybird	Unit TU	
		White clover seed		
Coleoptera	Protapion fulvipes	weevil	88/1	
Coleoptera	Protapion fulvipes	Weevil	EHF	
		White clover seed		
Coleoptera	Protapion fulvipes	weevil	Unit TU	
Coleoptera	Protapion trifolii	Weevil	ECF	
Coleoptera	Psammoecus bipunctatus	Silvanid beetle	ECF	
Coleoptera	Psylliodes affinis	Flea beetle	ECF	
Coleoptera	Psylliodes affinis	Flea beetle	EHF	
Coleoptera	Psylliodes affinis	Potato flea beetle	Unit TU	
Coleoptera	Psylliodes napi	Flea beetle	88/1	
Coleoptera	Psylliodes napi	Flea beetle	88/2	
Coleoptera	Psylliodes napi	Flea beetle	ECF	
Coleoptera	Psylliodes napi	Flea beetle	EHF	
Coleoptera	Psylliodes napi/ laticollis	Flea beetle	Unit TU	
Coleoptera	Psylliodes sp	Flea beetle	88/2	



		English name (where		Conservation
Order	Species	present)	Location	Status
Coleoptera	Psyllobora vigintiduopunctata	22 spot ladybird	ECF	
Coleoptera	Psyllobora vigintiduopunctata	22 spot ladybird	Unit TU	
Coleoptera	Rhagonycha fulva	Soldier beetle	88/1	
Coleoptera	Rhagonycha fulva	Soldier beetle	EHF	
Coleoptera	Rhagonycha fulva	Soldier beetle	RY3	
Coleoptera	Rhagonycha fulva	Soldier beetle	Unit L	
Coleoptera	Rhagonycha fulva	Soldier beetle	Unit TU	
Coleoptera	Rhinoncus castor	Weevil	Unit TU	
Coleoptera	Rhyzobius chrysomeloides	Ladybird	88/2	
Coleoptera	Rutpela maculata	Longhorn beetle	K	
Coleoptera	Scymnus suturalis	Ladybird	88/2	
Coleoptera	Sepedophilus nigripennis	Rove beetle	EHF	Nb
Coleoptera	Sitona lineatus	Weevil	88/1	
Coleoptera	Sitona lineatus	Weevil	88/2	
Coleoptera	Sitona lineatus	Weevil	ECF	
Coleoptera	Sitona lineatus	Weevil	EHF	
Coleoptera	Sitona lineatus	Broad-nosed weevil	Unit TU	
Coleoptera	Sphaeroderma rubidum	Flea beetle	ECF	
Coleoptera	Stenus cicindeloides	Rove beetle	EHF	
Coleoptera	Stenus clavicornis	Rove beetle	Unit TU	
Coleoptera	Stenus geniculatus	Rove beetle	ECF	
Coleoptera	Stenus sp	Rove beetle	88/2	
Coleoptera	Stenus sp	Rove beetle	Unit TU	
Coleoptera	Stictolepta rubra	Red longhorn beetle	88/1	
Coleoptera	Stilbus testaceus	Phalacrid beetle	ECF	
	Subcoccinella			
Coleoptera	vigintiquatuorpunctata	24 spot ladybird	88/1	
Calacata	Subcoccinella	24	00/2	
Coleoptera	vigintiquatuorpunctata Subcoccinella	24 spot ladybird	88/2	
Coleoptera	vigintiquatuorpunctata	24 spot ladybird	ECF	
Coicoptera	Subcoccinella	24 Spot ladybild	Lei	
Coleoptera	vigintiquatuorpunctata	24 spot ladybird	EHF	
·	Subcoccinella			
Coleoptera	vigintiquatuorpunctata	24 spot ladybird	Unit TU	
Coleoptera	Syntomus foveatus	Ground beetle	Unit TU	
Coleoptera	Tachyporus hypnorum	Rove beetle	ECF	
Coleoptera	Tachyporus hypnorum	Rove beetle	Unit TU	
Coleoptera	Tachyporus obtusus	Rove beetle	88/2	
Coleoptera	Tachyporus obtusus	Rove beetle	ECF	
Coleoptera	Tachyporus obtusus	Rove beetle	EHF	
Coleoptera	Tachyporus obtusus	Rove beetle	Unit TU	
Coleoptera	Tachyporus solutus	Rove beetle	EHF	



		English name (where		Conservation
Order	Species	present)	Location	Status
Coleoptera	Taeniapion urticarium	Weevil	88/2	
Coleoptera	Tychius stephensi	Red clover weevil	88/1	
Collembola	Orchesa villosa	Springtail	88/2	
Collembola	Orchesa villosa	Springtail	ECF	
Collembola	Orchesella cincta	Springtail	ECF	
Collembola	Orchesella villosa	Springtail	Unit TU	
Collembola	Tomocerus sp	Springtail	88/2	
Collembola	Tomocerus sp	Springtail	ECF	
Dermaptera	Forficula auricularia	Earwig	88/1	
Dermaptera	Forficula auricularia	Earwig	88/2	
Dermaptera	Forficula auricularia	Earwig	ECF	
Dermaptera	Forficula auricularia	Earwig	EHF	
Dermaptera	Forficula auriculata	Earwig	Unit TU	
Diptera	Agromyzidae sp	Fly	ECF	
Diptera	Anthomyza collini	anthomyzid flies	Unit TU	
Diptera	Beris vallata	Soldierfly	EHF	
Diptera	Bicellaria vana	dance flies	Unit TU	
Diptera	Calliopum aeneum	lauxaniid flies	88/2	
Diptera	Cheilosia sp	Hoverfly	EHF	
Diptera	Chloromyia formosa	Broad centurion	Unit TU	
		Dull four-spined		
Diptera	Chorisops tibialis	legionnaire	88/1	
Diptera	Chryopilus asiliformis	snipe flies	Unit TU	
Diptera	Chrysops sp	Deer fly	Unit L	
Diptera	Chrysops sp	Deer fly	Unit Qa	
Diptera	Chrysops sp	Deer fly	Unit RY1	
Diptera	Chrysotus laesus	long-legged flies	Unit TU	
Diptera	Coenosia tigrina	house flies	Unit TU	
Diptera	Coremacera marginata	Snail-killing fly	88/1	
Diptera	Coremacera marginata	Snail killing fly	EHF	
Diptera	Culiseta annulata	Spotted mosquito	Unit P	
Diptera	Delia platura	anthomyiid flies	88/2	
Diptera	Dioctria baumhaueri	Robber fly	Unit RY1	
Diptera	Dolichopus sp	Dolichopodid fly	Unit TU	
Diptera	Dolichopus trivialis	long-legged flies	Unit TU	
Diptera	Elachiptera cornuta	grass flies	88/2	
Diptera	Elachiptera cornuta	grass flies	Unit TU	
Diptera	Elachiptera tuberculifera	grass flies	Unit TU	
Diptera	Episyrphus balteatus	Marmalade hoverfly	88/1	
Diptera	Episyrphus balteatus	Marmalade hoverfly	H9/10	
Diptera	Episyrphus balteatus	Marmalade hoverfly	К	
Diptera	Episyrphus balteatus	Marmalade hoverfly	Unit Qa	



0 1		English name (where		Conservation
Order	Species	present)	Location	Status
Diptera	Episyrphus balteatus	Marmalade hoverfly	Unit TU	
Diptera	Eriothrix rufomaculata	Tachinid fly	88/1	
Diptera	Eriothrix rufomaculata	Red sided tachinid	EHF	
Diptera	Eristalis arbustorum	Hoverfly	88/1	
Diptera	Eristalis arbustorum	Hoverfly	EHF	
Diptera	Eristalis nemorum	Hoverfly	EHF	
Diptera	Eristalis tenax	Hoverfly	88/1	
Diptera	Eristalis tenax	Hoverfly	88/2	
Diptera	Eristalis tenax	Hoverfly	EHF	
Diptera	Eristalis tenax	Drone fly	Unit TU	
Diptera	Eupeodes latifasciatus	Hoverfly	Unit TU	
Diptera	Eupeodes luniger	Hoverfly	Unit TU	
Diptera	Eupeodes sp	Hoverfly	EHF	
Diptera	Eupeodes sp	Hoverfly	Unit RY1	
Diptera	Geomyza majuscula	opomyzid flies	88/2	Nb
Diptera	Geomyza subnigra	opomyzid flies	88/2	Nb
Diptera	Geomyza tripunctata	opomyzid flies	88/2	
Diptera	Geomyza tripunctata	Fly	ECF	
Diptera	Geomyza tripunctata	Fly	EHF	
Diptera	Geomyza tripunctata	Fly	Unit TU	
Diptera	Helina obscurata	house flies	Unit TU	
Diptera	Helina reversio	house flies	Unit TU	
Diptera	Helina setiventris	house flies	Unit TU	
Diptera	Helophilus pendulus	Hoverfly	EHF	
Diptera	Helophilus pendulus	Hoverfly	RY3	
Diptera	Lasiochaeta pubescens	grass flies	Unit TU	
Diptera	Lasiosina herpini	grass flies	88/2	
Diptera	Leptogaster guttiventris	Robberfly	88/1	
Diptera	Limonia nubeculosa	Cranefly	ECF	
Diptera	Lipoptena cervi	Deer ked fly	EHF	
Diptera	Machimus atricapillus	Kite-tailed Robber fly	ECF	
Diptera	Machimus cingulatus	Brown heath robber fly	ECF	
Diptera	Meiosimyza decipiens	lauxaniid flies	Unit TU	
Diptera	Melangyna umbellatarum	Hoverfly	88/2	
Diptera	Melanostoma mellinum	Hoverfly	EHF	
Diptera	Melanostoma mellinum	Hoverfly	Unit TU	
Diptera	Melanostoma scalare	Hoverfly	88/1	
Diptera	Melanostoma scalare	Hoverfly	88/2	
Diptera	Melanostoma scalare	Hoverfly	EHF	
Diptera	Melanostoma scalare	Hoverfly	Unit TU	
Diptera	Meromyza sp.	grass flies	Unit TU	
.12	· · · · · · / - · · · / - · ·	Noon fly	Unit RY1	•



		English name (where		Conservation
Order	Species	present)	Location	Status
Diptera	Minetta agg	Fly	EHF	
Diptera	Minettia fasciata	lauxaniid flies	Unit TU	
Diptera	Minettia fasciata agg.	Fly	88/1	
Diptera	Minettia fasciata agg.	Fly	Unit TU	
Diptera	Mycetophilidae sp	Fungus gnat	ECF	
Diptera	Mycomya flavicollis	fungus gnats	Unit TU	
Diptera	Nephrotoma guestfalica	Cranefly	88/1	
Diptera	Norellisoma spinimanum	Dung fly	EHF	
Diptera	Opomyza florum	Fly	Unit TU	
Diptera	Opomyza florum	opomyzid flies	Unit TU	
Diptera	Opomyza germinationis	Fly	88/2	
Diptera	Opomyza germinationis	Fly	ECF	
Diptera	Opomyza germinationis	Fly	Unit TU	
Diptera	Opomyza petrei	opomyzid flies	Unit TU	
Diptera	Opomyza punctata	Fly	ECF	
Diptera	Opomyza punctata	Opomyzid fly	EHF	
Diptera	Oscinella frit	grass flies	Unit TU	
Diptera	Pherbina coryleti	Snail killing fly	EHF	
Diptera	Physocephala rufipes	Conopid	88/1	
Diptera	Platycheirus albimanus	Hoverfly	Unit TU	
Diptera	Pollenia pedicularis	cluster flies	Unit TU	
Diptera	Pollenia sp	Cluster fly	88/1	
Diptera	Pollenia sp	Cluster fly	Unit TU	
Diptera	Rhagio tringarius	Snipefly	Unit TU	
Diptera	Sapromyza quadripunctata	lauxaniid flies	Unit TU	
Diptera	Sapromyza sexpunctata	lauxaniid flies	Unit TU	
Diptera	Sapromyza sp	Lauxanid fly	ECF	
Diptera	Sapromyza sp	Fly	Unit TU	
Diptera	Sarcophaga sp	Flesh fly	88/2	
Diptera	Sarcophaga sp	Flesh fly	EHF	
Diptera	Sarcophaga sp.	Flesh fly	Unit TU	
Diptera	Scaeva pyrastri	Hoverfly	Unit TU	
Diptera	Scaptomyza pallida	lesser fruit flies	Unit TU	
Diptera	Scathophaga stercoraria	dung flies	Unit TU	
Diptera	Sepsis cynipsea	sepsid flies	Unit TU	
Diptera	Silba fumosa	lance flies	Unit TU	
Diptera	Sphaerophoria female	Hoverfly	Unit TU	
Diptera	Sphaerophoria interrupta	Hoverfly	88/1	
Diptera	Sphaerophoria scripta	Hoverfly	88/1	
Diptera	Sphaerophoria scripta	Hoverfly	Unit TU	
Diptera	Sphaerophoria sp	Hoverfly	EHF	
Diptera	Sphaerophoria sp	Hoverfly	К	



		English name (where		Conservation
Order	Species	present)	Location	Status
Diptera	Sphaerophoria sp	Hoverfly	Unit TU	
Diptera	Sphaerophoria taeniata	Hoverfly	Unit TU	
Diptera	Syritta pipiens	Hoverfly	88/1	
Diptera	Syritta pipiens	Hoverfly	88/2	
Diptera	Syritta pipiens	Hoverfly	EHF	
Diptera	Syrphus ribesii	Hoverfly	88/1	
Diptera	Syrphus sp	Hoverfly	К	
Diptera	Tachina fera	Tachinid fly	EHF	
Diptera	Tachina fera	Tachinid fly	Unit TU	
Diptera	Tephritis neesii	Picture-winged fly	88/1	
Diptera	Tephritis vespertina	Fruit fly	Unit TU	
Diptera	Terellia tussilagnis	Gall fly	EHF	
Diptera	Tetanocera elata	snail-killing flies	Unit TU	
Diptera	Tipula oleracea	Cranefly	ECF	
Diptera	Urophora cardui	Fly	88/2	
Diptera	Urophora stylata	Picture-winged fly	88/1	
Diptera	Volucella bombylans	Hoverfly	EHF	
Diptera	Volucella pellucens	Hoverfly	Unit Qa	
Diptera	Volucella pellucens	Hoverfly	Unit RY1	
Diptera	Volucella zonaria	Hoverfly	EHF	
Harvestman	Leiobunum rotundum	Harvestman	Unit TU	
Heteroptera	Adelphocoris lineolatus	Lucerne bug	Unit TU	
Heteroptera	Aelia acuminata	Bishop's mitre shieldbug	88/2	
Heteroptera	Anthocoris sp	Flower bug	88/1	
Heteroptera	Charagochilus gyllenhalii	Mirid bug	ECF	
Heteroptera	Chorosoma schillingi	Rhopalid bug	Unit TU	
Heteroptera	Closterostomus norwegicus	Potato capsid	Unit TU	
Heteroptera	Coreus marginatus	Dock bug	88/2	
Heteroptera	Coreus marginatus	Dock bug	ECF	
Heteroptera	Coreus marginatus	Dock bug	EHF	
Heteroptera	Coreus marginatus	Dock bug	Unit TU	
Heteroptera	Coriomeris denticulatus	Denticulate leatherbug	Unit TU	
Heteroptera	Corizus hyoscyami	Rhopalid bug	88/2	
Heteroptera	Cymus glandicolor	Ground bug	EHF	
Heteroptera	Deraeocoris lutescens	Mirid bug	ECF	
Heteroptera	Deraeocoris lutescens	Mirid bug	EHF	
Heteroptera	Dolycoris baccarum	Hairy shieldbug	88/1	
Heteroptera	Dolycoris baccarum	Hairy shieldbug	ECF	
Heteroptera	Dolycoris baccarum	Hairy shield bug	EHF	
Heteroptera	Dolycoris baccarum	Hairy shieldbug	Unit TU	
Heteroptera	Drymus sylvaticus	Ground bug	EHF	
Heteroptera	Elasmucha grisea	Parent bug	EHF	



Order Species present) Location Status Heteroptera Eurygaster testudinaria Tortoise shieldbug EHF Heteroptera Heteroptera Graptopeltus lynceus Ground bug 88/2 Nb Heteroptera Halticus luteicollis Mirid bug EHF Heteroptera Heterogaster urticae Nettle groundbug ECF Heteroptera Heterogaster urticae Nettle groundbug Unit TU Heteroptera Himacerus planicornis Mirid bug 88/2 Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera </th <th></th> <th></th> <th>English name (where</th> <th></th> <th>Conservation</th>			English name (where		Conservation
Heteroptera Graptopeltus lynceus Ground bug B8/2 Nb Heteroptera Graptopeltus lynceus Groundbug Unit TU Nb Heteroptera Halticus luteicollis Mirid bug EHF Heteroptera Heterogaster urticae Nettle groundbug Unit TU Heteroptera Heterotoma planicornis Mirid bug Unit TU Heteroptera Heterotoma planicornis Mirid bug Unit TU Heteroptera Himacerus apterus Tree damsel bug ECF Heteroptera Himacerus major Grey damsel bug B8/2 Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus mirinicoldes Ant damsel bug B8/1 Heteroptera Himacerus mirinicoldes Ant damsel bug ECF Heteroptera Himacerus mirinicoldes Ant damsel bug ECF Heteroptera Himacerus mirinicoldes Ant damsel bug EHF Heteroptera Himacerus mirinicoldes Ant damsel bug EHF Heteroptera Ischnodemus sabuleti European chinchbug B8/2 Heteroptera Leptopterna ferrugata Mirid bug B8/1 Heteroptera Licacris tripustulatus Mirid EHF Heteroptera Lygus sp Mirid bug B8/1 Heteroptera Lygus sp Mirid bug B8/1 Heteroptera Lygus sp Mirid bug ECF Heteroptera Lygus sp Mirid bug ECF Heteroptera Nabis flavomarginatus Damsel bug ECF Heteroptera Nabis flavomarginatus Damsel bug ECF Heteroptera Nabis ilmbatus Damsel bug ECF	Order	Species	present)	Location	Status
Heteroptera Graptopeltus lynceus Groundbug Unit TU Nb Heteroptera Halticus luteicollis Mirid bug EHF Heteroptera Heterogaster urticae Nettle groundbug ECF Heteroptera Heterotoma planicornis Mirid bug Unit TU Heteroptera Heterotoma planicornis Mirid bug Unit TU Heteroptera Himacerus apterus Tree damsel bug ECF Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus miricoides Ant damsel bug B8/1 Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Leptopterna ferrugata Mirid bug B8/2 Heteroptera Leptopterna ferrugata Mirid bug B8/1 Heteroptera Ligoscoris pabulinus Common green capsid EHF Heteroptera Lygus sp Mirid bug B8/1 Heteroptera Lygus sp Mirid bug ECF Heteroptera Lygus sp Mirid bug B8/1 Heteroptera Lygus sp Mirid bug ECF Heteroptera Lygus sp Mirid bug ECF Heteroptera Nabis ferus Field damsel bug ECF Heteroptera Nabis flavomarginatus Broad damsel bug ECF Heteroptera Nabis flavomarginatus Broad damsel bug ECF Heteroptera Nabis limbatus Damsel bug EHF	Heteroptera	Eurygaster testudinaria	Tortoise shieldbug	EHF	
Heteroptera Halticus luteicollis Mirid bug EHF Heteroptera Heterogaster urticae Nettle groundbug ECF Heteroptera Heterogaster urticae Nettle gound bug Unit TU Heteroptera Heterotam planicornis Mirid bug Unit TU Heteroptera Himacerus apterus Tree damsel bug ECF Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus major Grey damsel bug Unit TU Heteroptera Himacerus major Grey damsel bug Unit TU Heteroptera Himacerus mirmicoides Ant damsel bug BS/1 Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug HFF Heteroptera Himacerus mirmicoides Ant damsel bug Unit TU Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Ischnodemus sabuleti European chinchbug 88/2 Heteroptera Licoris tripustulatus Mirid bug 88/1 Heteroptera Liocoris tripustulatus Mirid EHF Heteroptera Lygos sp Mirid bug 88/1 Heteroptera Lygus sp Mirid bug ECF Heteroptera Nabis ferus Field damsel bug ECF Heteroptera Nabis favomarginatus Damsel bug ECF Heteroptera Nabis Imbatus Damsel bug EHF	Heteroptera	Graptopeltus lynceus	Ground bug	88/2	Nb
Heteroptera Heterogaster urticae Nettle groundbug ECF Heteroptera Heterogaster urticae Nettle gound bug Unit TU Heteroptera Heterotoma planicornis Mirid bug Unit TU Heteroptera Himacerus apterus Tree damsel bug ECF Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus major Grey damsel bug Unit TU Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Himacerus mirmicoides Ant damsel bug Unit TU Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Ischnodemus sabuleti European chinchbug 88/2 Heteroptera Leptopterna ferrugata Mirid bug 88/1 Heteroptera Liocoris tripustulatus Mirid EHF Heteroptera Lygosoris pabulinus Common green capsid EHF Heteroptera Lygus sp Mirid bug 88/1 Heteroptera Lygus sp Mirid bug ECF Heteroptera Lygus sp Mirid bug ECF Heteroptera Nabis ferus Field damsel bug Unit TU Heteroptera Nabis flavomarginatus Broad damsel bug ECF Heteroptera Nabis flavomarginatus Broad damsel bug ECF Heteroptera Nabis limbatus Gommon damsel bug Unit TU	Heteroptera	Graptopeltus lynceus	Groundbug	Unit TU	Nb
Heteroptera Heterogaster urticae Nettle gound bug Unit TU Heteroptera Heterotoma planicornis Mirid bug Unit TU Heteroptera Himacerus apterus Tree damsel bug ECF Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus major Grey damsel bug ECF Heteroptera Himacerus major Grey damsel bug Unit TU Heteroptera Himacerus mijor Grey damsel bug Unit TU Heteroptera Himacerus mimicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug ECF Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Himacerus mirmicoides Ant damsel bug Unit TU Heteroptera Himacerus mirmicoides Ant damsel bug EHF Heteroptera Ischnodemus sabuleti European chinchbug 88/2 Heteroptera Leptopterna ferrugata Mirid bug 88/1 Heteroptera Liocoris tripustulatus Mirid EHF Heteroptera Lygocoris pabulinus Common green capsid EHF Heteroptera Lygus sp Mirid bug 88/1 Heteroptera Lygus sp Mirid bug ECF Heteroptera Lygus sp Mirid bug ECF Heteroptera Nabis ferus Field damsel bug ECF Heteroptera Nabis flavomarginatus Broad damsel bug ECF Heteroptera Nabis flavomarginatus Damsel bug ECF Heteroptera Nabis limbatus Damsel bug EHF Heteroptera Nabis limbatus Common damsel bug EHF Heteroptera Nabis limbatus Common damsel bug EHF Heteroptera Neides tipularius Stiltbug 88/1 Heteroptera Nysius senecionis Ground bug Unit TU	Heteroptera	Halticus luteicollis	Mirid bug	EHF	
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HeteropteraNabis limbatusMarsh damsel bugECFHeteropteraNabis limbatusDamsel bugEHFHeteropteraNabis rugosusCommon damsel bug88/2HeteropteraNeides tipulariusStiltbug88/1HeteropteraNysius senecionisGround bugUnit TU	Heteroptera	Nabis flavomarginatus	Damsel bug	EHF	
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HeteropteraNeides tipulariusStiltbug88/1HeteropteraNysius senecionisGround bugUnit TU	Heteroptera	Nabis limbatus	Damsel bug	EHF	
Heteroptera Nysius senecionis Ground bug Unit TU	Heteroptera	Nabis rugosus	Common damsel bug	88/2	
	Heteroptera	Neides tipularius	Stiltbug	88/1	
	Heteroptera	Nysius senecionis	Ground bug	Unit TU	
Heteroptera Nysius sp Ground bug 88/1	Heteroptera	Nysius sp	Ground bug	88/1	
Heteroptera Orthocephalus sp Mirid bug Unit TU	Heteroptera	Orthocephalus sp	Mirid bug	Unit TU	
Heteroptera Orthonotus rufifrons Mirid bug Unit TU	Heteroptera	Orthonotus rufifrons	Mirid bug	Unit TU	
Heteroptera Palomena prasina Green shield bug 88/1	Heteroptera	Palomena prasina	Green shield bug	88/1	
Heteroptera Palomena prasina Green shield bug 88/2	Heteroptera	Palomena prasina	Green shield bug	88/2	
Heteroptera Palomina prasina Common green shieldbug ECF	Heteroptera	Palomina prasina	_	ECF	
Heteroptera Pentatoma rufipes Red-legged shieldbug ECF	·	*		ECF	
Heteroptera Peritrechus geniculatus Ground bug 88/2	·	• •		88/2	
Heteroptera <i>Peritrechus lundii</i> Groundbug Unit TU		-	-	<u> </u>	
Heteroptera <i>Phytocoris varipes</i> Mirid bug Unit TU	·	Phytocoris varipes		Unit TU	
Heteroptera Pithanus maerkelii Mirid bug 88/1	·	· ·	<u>-</u>		



		English name (where		Conservation
Order	Species	present)	Location	Status
Heteroptera	Pithanus maerkelii	Mirid bug	Unit TU	
Heteroptera	Plagiognathus chysanthemi	Mirid	EHF	
Heteroptera	Polymerus unifasciatus	Mirid bug	ECF	
Heteroptera	Rhopalus subrufus	Rhopalid bug	ECF	
Heteroptera	Scolopostethus thomsoni	Ground bug	ECF	
Heteroptera	Stenodema calcarata	Mirid bug	ECF	
Heteroptera	Stenodema laevigata	Mirid	EHF	
Heteroptera	Stenodema laevigata	Mirid bug	Unit TU	
Heteroptera	Stenotus binotatus	Mirid bug	88/1	
Heteroptera	Stenotus binotatus	Mirid bug	Unit TU	
Heteroptera	Stygnocoris sabulosus	Ground bug	88/2	
Heteroptera	Syromastus rhombeus	Rhombic leatherbug	Unit TU	
Heteroptera	Tingis ampliata	Lacebug	88/2	
Heteroptera	Tingis cardui	Spear thistle lacebug	88/1	
Heteroptera	Tingis cardui	Lacebug	EHF	
Heteroptera	Tingis cardui	Spear thistle lacebug	Unit TU	
Heteroptera	Tytthus pygmaeus	Mirid bug	EHF	
Homoptera	Adarrus ocellaris	Leafhopper	88/2	
Homoptera	Adarrus ocellaris	Leafhopper	EHF	
Homoptera	Adarrus ocellaris	Leafhopper	Unit TU	
Homoptera	Agallia cf venosa	Leafhopper	88/2	
Homoptera	Agallia consobrina	Leafhopper	ECF	
Homoptera	Agallia consobrina	Leafhopper	EHF	
Homoptera	Allygus modestus	Leafhopper	EHF	
Homoptera	Aphrodes makarovi	Leafhopper	88/1	
Homoptera	Aphrodes makarovi	Leafhopper	ECF	
Homoptera	Aphrodes makarovi	Leafhopper	EHF	
Homoptera	Aphrodes makarovi	Leafhopper	Unit TU	
Homoptera	aphrodes makarovi/ bicinctus	Leafhopper	Unit TU	
Homoptera	Arthaldeus pascuellus	Leafhopper	ECF	
Homoptera	Arthaldeus pascuellus	Leafhopper	EHF	
Homoptera	Athysanus argentarius	Leafhopper	88/1	
Homoptera	Athysanus argentarius	Leafhopper	88/2	
Homoptera	Athysanus argentarius	Leafhopper	EHF	
Homoptera	Cicadella viridis	Leafhopper	EHF	
Homoptera	Cicadella viridis	Leafhopper	Unit TU	
Homoptera	Conomelus anceps	Planthopper	EHF	
Homoptera	Conomelus anceps	Planthopper	Unit TU	
Homoptera	Conosanus obsoletus	Leafhopper	88/2	
Homoptera	Conosanus obsoletus	Leafhopper	ECF	
Homoptera	Dicranotropis hamata	Planthopper	EHF	
Homoptera	Dikraneura variata	Leafhopper	EHF	



		English name (where		Conservation
Order	Species	present)	Location	Status
	Elymana sulphurella/			
Homoptera	kozhevnikovi	Leafhopper	Unit TU	
Homoptera	Eupelix cuspidata	Leafhopper	88/1	
Homoptera	Eupteryx aurata	Potato leafhopper	ECF	
Homoptera	Eupteryx aurata	Potato leafhopper	EHF	
Homoptera	Eupteryx vittata	Leafhopper	Unit TU	
Homoptera	Euscelis incisus/ lineolatus	Leafhopper	Unit TU	
Homoptera	Evacanthus interruptus	Leafhopper	Unit TU	
Homoptera	Javesella pellucida	Planthopper	ECF	
Homoptera	Javesella pellucida	Planthopper	EHF	
Homoptera	Megopthalmus scabripennis	Leafhopper	ECF	
Homoptera	Mocydia crocea	Leafhopper	88/2	
Homoptera	Mocydia crocea	Leafhopper	EHF	
Homoptera	Mocydiopsis attenuata	Leafhopper	Unit TU	
Homoptera	Muellerianella fairmairei	Planthopper	ECF	
Homoptera	Philaenus spumarius	Common froghopper	88/1	
Homoptera	Philaenus spumarius	Common froghopper	88/2	
Homoptera	Philaenus spumarius	Common froghopper	ECF	
Homoptera	Philaenus spumarius	Common froghopper	EHF	
Homoptera	Philaenus spumarius	Common froghopper	Unit L	
Homoptera	Philaenus spumarius	Common froghopper	Unit TU	
Homoptera	Rhopalopyx adumbrata	Leafhopper	EHF	
Homoptera	Stroggylocephalus agrestis	Leafhopper	EHF	
Homoptera	Zyginidia scutellaris	Leafhopper	88/2	
Hymenoptera	Andricus foecundatrix	Hop gall	ECF	
Hymenoptera	Andricus quercuscalicis	Knopper gall	88/2	
Hymenoptera	Andricus quercuscalicis	Knopper gall	ECF	
Hymenoptera	Apis mellifera	Honey bee	88/1	
Hymenoptera	Apis mellifera	Honey bee	ECF	
Hymenoptera	Apis mellifera	Honey bee	RY3	
Hymenoptera	Apis mellifera	Honey bee	EHF	
Hymenoptera	Apis mellifera	Honey bee	Unit Qa	
Hymenoptera	Apis mellifera	Honey bee	Unit TU	
Hymenoptera	Athalia rosae	Turnip sawfly	EHF	
Hymenoptera	Athalia sp	Sawfly	EHF	
Hymenoptera	Bombus hortorum	Garden bumblebee	88/1	
Hymenoptera	Bombus lapidarius	Red-tailed bumblebee	88/1	
Hymenoptera	Bombus lapidarius	Red tailed bumblebee	EHF	
Hymenoptera	Bombus lapidarius	Red tailed bumblebee	Unit TU	
Hymenoptera	Bombus pascuorum	Common carder bee	88/2	
Hymenoptera	Bombus pascuorum	Common carder bee	ECF	
Hymenoptera	Bombus pascuorum	Common carder bee	EHF	



Order	Species	English name (where present)	Location	Conservation Status
Hymenoptera	Bombus pratorum	Early bumblebee	EHF	Status
Пушепорсега	Bombus pratorum	Vestal cuckoo	LIII	
Hymenoptera	Bombus vestalis	bumblebee	88/2	
,				RDB3:
				Section 41
		Five banded weevil		priority
Hymenoptera	Cerceris quinquefasciata	wasp	Unit TU	species
Hymenoptera	Dolichovespula saxonica	Saxon wasp	EHF	
		Short-horned yellow-		
Hymenoptera	Hylaeus brevicornis	face bee	Unit TU	
Hymenoptera	Lasius flavus	Ant	88/2	
Hymenoptera	Lasius niger sensu lato	Ant	88/2	
Hymenoptera	Megachile centuncularis	Patchwork leafcutter bee	88/1	
Hymenoptera	Myrmica rubra	Red ant	88/2	
Hymenoptera	Myrmica rubra	Ant	EHF	
Hymenoptera	Neuroterus quercusbaccarum	Oak spangle gall	88/2	
Hymenoptera	Neuroterus quercusbaccarum	Spangle gall on oak	ECF	
Hymenoptera	Nomada fucata	Painted nomad bee	88/1	
Hymenoptera	Nomada goodeniana	Gooden's nomad bee	EHF	
Hymenoptera	Ormyrus sp	Parasitic wasp	ECF	
Hymenoptera	Pontania proxima	Willow bean gall	EHF	
Hymenoptera	Pontania proxima	Willow bean gall	RY3	
Hymenoptera	Torymus sp	Chalcid wasp	Unit TU	
Hymenoptera	Vespula rufa	Red wasp	ECF	
Hymenoptera	Vespula vulgaris	Common wasp	88/1	
Hymenoptera	Vespula vulgaris	Common wasp	RY3	
Hymenoptera	Vespula vulgaris	Common wasp	Unit Q	
Isopoda	Armadillidium vulgare	Pill woodlouse	ECF	
Isopoda	Oniscus asellus	Woodlouse	ECF	
Isopoda	Oniscus asellus	Woodlouse	EHF	
Isopoda	Polydesmus sp	Millipede	EHF	
Isopoda	Porcellio scaber	Woodlouse	88/1	
Isopoda	Porcellio scaber	Woodlouse	Unit TU	
Isopoda	Tachypodoiulus niger	Millipede	ECF	
Isopoda	Tachypodoiulus niger	Millipede	EHF	
Lepidoptera	Agapeta hamana	Common yellow conch	EHF	
Lepidoptera	Agapeta hamana	Common yellow conch	Unit TU	
Lepidoptera	Aglais io	Peacock	EHF	
Lepidoptera	Aglais io	Peacock	Unit Qa	
Lepidoptera	Aglais io	Peacock	Unit TU	
Lepidoptera	Aglais io	Peacock	Unit U	
Lepidoptera	Aglais urticae	Small tortoiseshell	88/1	



		English name (where		Conservation
Order	Species	present)	Location	Status
Lepidoptera	Aglais urticae	Small tortoiseshell	Unit TU	
Lepidoptera	Aglais urticae	Small tortoiseshell	Unit U	
Lepidoptera	Agriphila straminella	Straw grass-veneer	EHF	
Lepidoptera	Aphantopus hyperantus	Ringlet	H9/10	
Lepidoptera	Aphantopus hyperantus	Ringlet	RY3	
Lepidoptera	Aphantopus hyperantus	Ringlet	EHF	
Lepidoptera	Aphantopus hyperantus	Ringlet	Unit L	
Lepidoptera	Aphantopus hyperantus	Ringlet	Unit Qa	
Lepidoptera	Aphantopus hyperantus	Ringlet	Unit RY1	
Lepidoptera	Aricia agestis	Brown argus	88/1	
Lepidoptera	Aricia agestis	Brown argus	88/2	
lepidoptera	Aricia agestis	Brown argus	Unit TU	
Lepidoptera	Autographa gamma	Silver Y	EHF	
Lepidoptera	Cabera exanthemata	Common wave	H9/10	
Lepidoptera	Celypha lacunana	Common marble	RY3	
Lepidoptera	Chrysoteuchia culmella	Garden grass veneer	88/1	
Lepidoptera	Chrysoteuchia culmella	Garden grass veneer	EHF	
Lepidoptera	Chrysoteuchia culmella	Garden grass veneer	Unit RY1	
Lepidoptera	Gypsonoma sociana	White-cloaked shoot	88/1	
Lepidoptera	Lycaena phlaeas	Small copper	ECF	
Lepidoptera	Lycaena phlaeas	Small copper	Unit RY1	
Lepidoptera	Maniola jurtina	Meadow brown	EHF	
Lepidoptera	Maniola jurtina	Meadow brown	RY3	
Lepidoptera	Maniola jurtina	Meadow brown	Unit Qa	
Lepidoptera	Maniola jurtina	Meadow brown	Unit RY1	
Lepidoptera	Maniola jurtina	Meadow brown	Unit U	
Lepidoptera	Manulea lurideola	Common footman	88/1	
Lepidoptera	Orgyia antiqua	Vapourer	88/2	
Lepidoptera	Oxyptilus distans	Breckland plume	Unit TU	NSb
Lepidoptera	Pararge aegeria	Speckled wood	88/2	
Lepidoptera	Pararge aegeria	Speckled wood	ECF	
Lepidoptera	Pararge aegeria	Speckled wood	Unit Qa	
Lepidoptera	Patania ruralis	Mother of pearl	EHF	
Lepidoptera	Pieris brassicae	Large white	88/1	
Lepidoptera	Pieris brassicae	Large white	ECF	
Lepidoptera	Pieris brassicae	Large white	EHF	
Lepidoptera	Pieris brassicae	Large white	H9/10	
Lepidoptera	Pieris brassicae	Large white	RY2	
Lepidoptera	Pieris brassicae	Large white	RY3	
Lepidoptera	Pieris brassicae	Large white	Unit L	
Lepidoptera	Pieris brassicae	Large white	Unit RY1	
Lepidoptera	Pieris brassicae	Large white	Unit TU	



		English name (where		Conservation
Order	Species	present)	Location	Status
Lepidoptera	Pieris brassicae	Large white	Unit U	
Lepidoptera	Pieris rapae	Small white	88/1	
Lepidoptera	Pieris rapae	Small white	88/2	
Lepidoptera	Pieris rapae	Small white	ECF	
Lepidoptera	Polygonia c-album	Comma	88/2	
Lepidoptera	Polygonia c-album	Comma	ECF	
Lepidoptera	Polygonia c-album	Comma	EHF	
Lepidoptera	Polygonia c-album	Comma	Unit N	
Lepidoptera	Polygonia c-album	Comma	Unit Qa	
Lepidoptera	Polyommatus icarus	Common blue	EHF	
Lepidoptera	Pyrausta despicata	Straw-barred pearl	Unit TU	
Lepidoptera	Pyronia tithonus	Gatekeeper	88/1	
Lepidoptera	Pyronia tithonus	Gatekeeper	EHF	
Lepidoptera	Pyronia tithonus	Gatekeeper	H9/10	
Lepidoptera	Pyronia tithonus	Gatekeeper	Hedgerow 12	
Lepidoptera	Pyronia tithonus	Gatekeeper	RY2	
Lepidoptera	Pyronia tithonus	Gatekeeper	EHF	
Lepidoptera	Pyronia tithonus	Gatekeeper	Unit Qa	
Lepidoptera	Pyronia tithonus	Gatekeeper	Unit RY1	
Lepidoptera	Pyronia tithonus	Gatekeeper	Unit TU	
Lepidoptera	Scotopteryx chenopodiata	Shaded broad-bar	EHF	
Lepidoptera	Thiotricha subocellea	Eyelet sober	Unit TU	
Lepidoptera	Thymelicus sylvestris	Small skipper	88/1	
Lepidoptera	Thymelicus sylvestris	Small skipper	EHF	
Lepidoptera	Thymelicus sylvestris	Small skipper	Unit L	
Lepidoptera	Thymelicus sylvestris	Small skipper	Unit Qa	
Lepidoptera	Thymelicus sylvestris	Small skipper	Unit RY1	
Lepidoptera	Thymelicus sylvestris	Small skipper	Unit TU	
Lepidoptera	Thymelicus sylvestris	Small skipper	Unit U	
				Priority
Lepidoptera	Tyria jacobaeae	Cinnabar moth	88/1	Species
Laudalautaua	Twin in a base	Cin a share a sale	Link Til	Priority
Lepidoptera	Tyria jacobaeae	Cinnabar moth	Unit TU	Species
Lepidoptera	Vanessa atalanta	Red admiral	88/2	
Lepidoptera	Vanessa atalanta	Red admiral	ECF	
Lepidoptera	Vanessa atalanta	Red admiral	EHF	
Lepidoptera	Vanessa cardui	Painted lady	EHF	
Mecoptera	Chrysoperla carnea	Lacewing	88/1	
Mecoptera	Micromus variegatus	Lacewing	EHF	
Mecoptera	Panorpa communis	Scorpionfly	EHF	
Mecoptera	Panorpa germanica	Scorpionfly	EHF	
Mecoptera	Panorpa sp	Scorpion fly	ECF	
Mollusc	Cepaea hortensis	White lip snail	Unit L	



		English name (where		Conservation
Order	Species	present)	Location	Status
Mollusc	Cornu aspersa	Garden snail	Unit L	
Mollusca	Cepaea nemoralis	Snail	EHF	
Mollusca	Hygromia cinctella	Snail	EHF	
Mollusca	Monacha cantiana	Kentish snail	ECF	
Mollusca	Monacha cantiana	Kentish snail	EHF	
Mollusca	Monacha cantiana	Kentish snail	Unit TU	
Mollusca	Succinea putris	Snail	EHF	
Odonata	Aeshna cyanea	Southern hawker	88/2	
Odonata	Aeshna cyanea	Southern hawker	ECF	
Odonata	Aeshna cyanea	Southern hawker	EHF	
Odonata	Aeshna cyanea	Southern hawker	H9/10	
Odonata	Aeshna grandis	Brown hawker	Unit L	
Odonata	Aeshna mixta	Migrant hawker	88/2	
Odonata	Aeshna mixta	Migrant hawker	ECF	
Odonata	Calopteryx splendens	Banded demoiselle	EHF	
Odonata	Calopteryx splendens	Banded demoiselle	RY3	
Odonata	Calopteryx splendens	Banded demoiselle	Unit RY1	
Odonata	Coenagrion puella	Azure damselfly	Unit TU	
Odonata	Ischnura elegans	Blue-tailed damsel	H9/10	
Odonata	Lestes sponsa	Emerald damselfly	H9/10	
Odonata	Lestes sponsa	Emerald damselfly	Unit Qa	
Odonata	Sympetrum striolatum	Common darter	88/2	
Odonata	Sympetrum striolatum	Common darter	ECF	
Odonata	Sympetrum striolatum	Common darter	H9/10	
Odonata	Sympetrum striolatum	Common darter	К	
Opiliones	Leiobunum blackwallii	Harvest spider	EHF	
Opiliones	Leiobunum rotundum	Harvest spider	EHF	
Opiliones	Mitopus morio	Harvest spider	EHF	
Opiliones	Nemastoma bimaculatum	Harvestman	ECF	
Opiliones	Oligolophus tridens	Harvestman	88/2	
Opiliones	Oligolophus tridens	Harvestman	ECF	
Opiliones	Oligolophus tridens	Harvest spider	EHF	
Opiliones	Opilio canestrinii	Harvestman	ECF	
Opiliones	Platybunus triangularis	Harvestman	88/1	
•		Lesser marsh		
Orthoptera	Chorthippus albomarginatus	grasshopper	88/1	
		Lesser marsh		
Orthoptera	Chorthippus albomarginatus	grasshopper	EHF	
Outhoutout	Charthianus alla ana ancientus	Lesser marsh	linit Til	
Orthoptera	Chorthippus albomarginatus	grasshopper Common field	Unit TU	
Orthoptera	Chorthippus brunneus	grasshopper	88/1	
orthopicia	Shortinppus brunneus	Pragariopher	1 00/ ±	1



		English name (where		Conservation
Order	Species	present)	Location	Status
		Common field		
Orthoptera	Chorthippus brunneus	grasshopper	88/2	
		Common field		
Orthoptera	Chorthippus brunneus	grasshopper	EHF	
		Common field	21/2	
Orthoptera	Chorthippus brunneus	grasshopper	RY2	
Orthontoro	Charthianus brunnaus	Common field	Linit D	
Orthoptera	Chorthippus brunneus	grasshopper Common field	Unit P	
Orthoptera	Chorthippus brunneus	grasshopper	Unit TU	
Orthoptera	Chortinppus Brunneus	Common field	Ome 10	
Orthoptera	Chorthippus brunneus	grasshopper	Unit U	
Orthoptera	Conocephalus discolor	Long-winged conehead	ECF	
Orthoptera	Conocephalus discolor	Long-winged conehead	EHF	
Orthoptera	Conocephalus discolor	Long-winged conehead	Unit TU	
Orthoptera	Conocephalus dorsalis	Short-winged conehead	EHF	
Orthoptera	Conocephalus dorsalis	Short-winged conehead	Unit TU	
Orthoptera	Leptophyes punctatissima	Speckled bush cricket	88/1	
Orthoptera	Meconema thalassinum	Oak bush cricket	Unit TU	
Orthoptera	Metrioptera roeselii	Roesel's bush cricket	88/2	
Orthoptera	Metrioptera roeselii	Roesel's bush cricket	EHF	
Orthoptera	Metrioptera roeselii	Roesel's bush cricket	RY3	
Orthoptera	Metrioptera roeselii	Roesel's bush cricket	Unit L	
Orthoptera	Metrioptera roeselii	Roesel's bush cricket	Unit RY1	
Orthoptera	Metrioptera roeselii	Roesel's bush cricket	Unit TU	
		Common green		
Orthoptera	Omocestus viridulus	grasshopper	EHF	
		Common green		
Orthoptera	Omocestus viridulus	grasshopper	Unit RY1	
Outhoutous		Common green	11-4-11	
Orthoptera	Omocestus viridulus	grasshopper	Unit U	
Orthoptera	Pholioptera griseoaptera	Dark bush cricket	EHF	
Psocoptera	Metylophorus nebulosus	Bark fly	88/1	

Appendix 2. Photographs

Photo 1. Unit TU - Habitat.



Photo 2. Unit 88/1 - Habitat



Photo 3. Easton Hall Farm - Habitat



Photo 4. Easton Church Fields - Habitat





Photo 5. Unit 88/2 - Habitat



Photo 6. Brown argus butterfly at Unit TU





Photo 7. Weevil Apion rubiginosus



Photo 8. Araneus marmoreus - large spider



Photo 9 Graptopeltus lynceus, a ground bug.



Photo 10 Physocephala rufipes, a conopid fly.





Photo 11 Mint leaf beetle



Photo 12 Breckland plume, Oxyptilus distans





Photo 13. Weevil Eutrichapion vorax.



Photo 14. Hoverfly Volucella zonaria, hornet mimic.





Photo 15. RDB wasp Cerceris quinquesfasciata

