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Review Schedule

Issue	Date	Author	Reviewed by	Approved by
1.0	14/08/18	Tom Knight	Max Ellison	Max Ellison

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The evaluation and assessment provided in this report is specific to the iteration of the proposal detailed in *Section 1*. It would no longer be valid should the layout be changed in anyway, should the report be used for a different proposal at the same site or should it be used a maximum of 12 months after the date of issue.

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Figure 1 – Extended Phase 1 Habitat Survey

1 INTRODUCTION

1.1 Project Background

1.1.1 Marches Ecology was commissioned by HDS Architectural Services to undertake an Ecological Appraisal of land at Lloyds Animal Feeds, Bridge Road (North), Wrexham Industrial Estate, Wrexham (approximate OS Grid Ref. SJ 383 496). This Preliminary Ecological Appraisal comprised an ecological background data search and an Extended Phase 1 Habitat Survey. This report is provided as supporting information to a planning application for a warehouse extension, two new raw materials storage silos, a finished product storage/ out-loading facility and associated infrastructure.

1.1.2 This report has three key aims:

- to provide an initial appraisal of the ecological value of the site and local ecological resource and thereby identify ecological constraints relevant to the proposal;
- to identify further surveys that may be required; and
- to identify potential mitigation/ compensation measures where possible along with opportunities to deliver ecological enhancement.

The structure of this Preliminary Ecological Appraisal is based on the guidance provided in the Chartered Institute of Ecology and Environmental Management (CIEEM) documents CIEEM (2017a) and CIEEM (2017b).

1.2 Report Author

1.2.1 This report was produced by Tom Knight of Marches Ecology. Tom Knight is an ecologist with over nineteen years of consultancy experience and has undertaken Extended Phase 1 Habitat Surveys on a wide range of sites. His relevant academic qualifications and professional memberships are as follows:

- Chartered Environmentalist (Society for the Environment).
- Full Member of the Chartered Institute of Ecology and Environmental Management (CIEEM).
- PgDip Conservation Management.
- BSc (Hons) Environmental Studies.
- C&G Biological Surveying.

1.3 Site Description and Context

1.3.1 The survey site extends to approximately 1.7 hectares of land and comprises the Lloyds Animal Feeds' Wrexham Mill site on Wrexham Industrial Estate. It includes a large industrial building complex, areas of hard-standing and amenity grassland, and in the less well-used parts of the site, scrub, tall ruderals, unimproved neutral grassland and broad-leaved woodland. The survey site is generally level though there are low slopes up to the northeast and northwest boundaries. The site boundaries are formed by chain-link fences.

1.3.2 The survey site is bordered to the northeast by Dunster Road, on the opposite side of which are further industrial premises. To the southeast and southwest there are also industrial premises. The northwest boundary is bordered by Bridge Road (North) on the opposite side of which there are some office units with a further area of land that has been cleared for development purposes.

1.4 The Proposal

- 1.4.1 The proposal concerns the construction of a warehouse extension, two new raw materials storage silos, a product storage/ out-loading facility and associated infrastructure at the existing Lloyds Animal Feeds plant. It is Phase 1 of a wider re-development of the Lloyds Animal Feeds site. The proposed warehouse extension and silos would be located on the north/ northeast side of the building and the finished product storage/ out-loading facility on the southwest side. Some minor alterations to hard-standing layout and internal vehicle routes would be required though these are not shown on the plans provided.
- 1.4.2 The proposed development is presented on two Altrech Limited plans entitled '*General Arrangement of Proposed Feed Mill Upgrade Projects – Phase 0.5*' dwg. no. E218038 Sheet 1 of 2 Rev B, dated 06/08/2018 and '*General Arrangement of Proposed Feed Mill Upgrade Projects – Phase 0.5*' dwg. no. E218038 Sheet 2 of 2 Rev B, dated 06/08/2018.
- 1.4.3 These buildings will generally have a steel frame with sheet metal cladding. The combined size of the footprint of the proposed development is not known. No further detailed information regarding the proposed development has been provided.

1.5 Planning Policy

Introduction

- 1.5.1 This section provides a brief summary of key national and local planning policies. It is not a comprehensive review of all such planning policy, the intention being to identify those considered to be of most relevance to ecology and provide context for the proposal.

Wales

Planning Policy Wales

- 1.5.2 Planning Policy Wales (PPW) sets out national land use planning policies (Welsh Government 2016). Chapter 5 is of particular relevance and is entitled 'Conserving and Improving Natural Heritage and the Coast'. With specific reference to development proposals the following key statements are made:
- '*Biodiversity and landscape considerations must be taken into account in determining individual applications and contributing to the implementation of specific projects. The effect of a development proposal on the wildlife or landscape of any area can be a material consideration*'.
 - '*When considering any development proposal... local planning authorities should consider environmental impact, so as to avoid, wherever possible, adverse effects on the environment*'.

- 1.5.3 Chapter 5 further covers statutory designations, protected species and specific habitats/ areas. National policy statements are listed at the end of the Chapter and cross-referenced to paragraphs.

Technical Advice Note 5

- 1.5.4 PPW is supplemented by a series of Technical Advice Notes (TAN). TAN 5 covers 'Nature Conservation and Planning' (Welsh Government 2009). It provides advice to local planning authorities on how the land use planning system should contribute to protecting and enhancing biodiversity and geological conservation. It includes chapters covering the key principles of planning for nature conservation; the preparation and review of development

plans; nature conservation in development control procedures; the conservation of internationally and nationally designated sites, habitats and local sites; and the conservation of protected and priority habitats and species.

- 1.5.5 In paragraph 2.4 it states that '*...when deciding planning applications that may affect nature conservation, local planning authorities should:*
- *pay particular attention to the principles of sustainable development, including respect for environmental limits, applying the precautionary principle, using scientific knowledge to aid decision making and taking account of the full range of costs and benefits in a long term perspective (PPW 2.2.1¹);*
 - *contribute to the protection and improvement of the environment, so as to improve the quality of life and protect local and global ecosystems, seeking to avoid irreversible harmful effects on the natural environment (PPW 2.3.2);*
 - *promote the conservation and enhancement of statutorily designated areas and undeveloped coast (PPW 2.3.2);*
 - *ensure that appropriate weight is attached to designated sites of international, national and local importance (PPW 5.3.2);*
 - *protect wildlife and natural features in the wider environment, with appropriate weight attached to priority habitats and species in Biodiversity Action Plans (PPW 5.2);*
 - *ensure that all material considerations are taken into account and decisions are informed by adequate information about the potential effects of development on nature conservation (PPW paragraphs 5.5.1 and 5.5.2);*
 - *ensure that the range and population of protected species is sustained (PPW 5.2.3, 5.5.11 and 5.5.12);*
 - *adopt a step-wise approach to avoid harm to nature conservation, minimise unavoidable harm by mitigation measures, offset residual harm by compensation measures and look for new opportunities to enhance nature conservation; where there may be significant harmful effects local planning authorities will need to be satisfied that any reasonable alternative sites that would result in less or no harm have been fully considered (PPW 5.2.2, 5.2.7 and 5.5.2).*

Wrexham

- 1.5.6 Local planning authorities will consider biodiversity/ nature conservation issues in accordance with adopted policies and plans. The following are considered of particular relevance to the proposal.

Wrexham Unitary Development Plan

- 1.5.7 The Wrexham Unitary Development Plan (UDP) was adopted in February 2005. It will be replaced (currently scheduled for adoption in 2018) by the Local Development Plan. The UDP '*...provides a framework for local decision making and the reconciliation of development and conservation interests...*'.

Relevant strategic and general development policies include:

- *Policy PS2. Development must not materially detrimentally affect countryside, landscape/townscape character, open space, or the quality of the natural environment.*

¹ References to the relevant part of PPW.

- *Policy PS11. Encouragement will be given to proposals which improve the biodiversity value of sites and to the establishment of local nature reserves where the nature conservation and landscape interest of the land will be protected and enhanced.*
- *Policy GDP1f). Ensure the safety and amenity of the public and safeguard the environment from the adverse effects of pollution of water, land or air, hazards from industry and quarrying, and associated noise, odour or vibration arising from development.*
- *Policy GDP1h). Safeguard sites and areas of nature conservation and wildlife interest, and to provide new habitats where there is an unavoidable loss of existing habitats and areas of wildlife interest.*

Section 5 of the UDP concerns 'Environment and Conservation'. The relevant policies listed are as follows:

- *Policy EC4. Development proposals should provide for the conservation and management of hedgerows, trees, orchards, woodland, wildlife and other natural landscape and water features, and include new planting in order to enhance the character of the landscape and townscape. Development which results in the loss or significant damage to valuable trees, important hedgerows or ancient woodland sites will not be permitted.*
- *Policy EC6. Development either within or close to sites of biodiversity interest will only be permitted where it can be clearly demonstrated that the need for the development outweighs the need to safeguard the intrinsic nature conservation value of the site. Where such development is permitted, damage should be kept to a minimum, and compensatory measures should be provided. Measures to improve the biodiversity value of sites and enhance their natural conservation interest and landscape quality including the establishment of local nature reserves, will be supported.*
- *Policy EC13. Development which would result in an unacceptable adverse impact on the water environment due to additional surface water run-off will not be permitted.*
- *Policy EC14. Development which would have an unacceptable adverse impact upon the capacity, flow, quality or availability of controlled waters and associated land will not be permitted.*

Local Planning Guidance

1.5.8 Wrexham County Borough Council (WCBC) has produced a series of supplementary planning guidance documents which set out detailed advice on the way in which Development Plan policies will be applied. Supplementary planning guidance is a material consideration in the determination of planning applications for development. The following Local Planning Guidance (LPG) notes are of particular relevance:

- **LPG 17 Trees and Development.** Adopted September 2000, Updated December 2012. Provides further advice in relation to UDP policy EC4.
- **LPG 32 Biodiversity and Development.** Adopted March 2011. Provides further advice in relation to UDP policies PS2, PS11, EC4 and EC6. Of particular importance it details the requirements for ecological survey and reporting.

- 1.5.9 The Wrexham Biodiversity Action Plan (WBAP) is also listed as supplementary planning guidance on the WCBC website. This reference is out-of-date, the WBAP has been archived and is no longer available.

1.6 Legislation

Introduction

- 1.6.1 This sub-section provides a brief summary of key legislation relevant to ecology/ nature conservation and the proposal. It should not be considered a comprehensive review and is not meant to be so. It is provided here for information only and is not intended to replace specialised legal advice. It does not replace the text of the legislation but summarises the salient points. Further information on how this legislation affects the protection of particular species is provided in *Appendix 1*.

The Conservation of Habitats and Species Regulations 2017 (The Regulations)

- 1.6.2 Transposes the *EC Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora 1992* into UK law. The Regulations provide for the protection of sites in the UK that support habitats and species of European importance (e.g. Special Protection Areas (SPAs) and Special Areas of Conservation (SACs)). The Regulations also provide full protection for certain species which are frequently referred to as European Protected Species (EPS). EPS of potential relevance to the site include bats and Great Crested Newt (*Triturus cristatus*).

The Wildlife and Countryside Act 1981, as amended (WCA)

- 1.6.3 The WCA strengthened protection for nature conservation sites of at least national importance and provides varying levels of protection for a number of species within the UK. This protection may include prohibition of some or all of: killing, injuring, disturbing, taking, sale/barter or possession of species and also protection of breeding/ sheltering places. The following species/ species groups that receive some level of protection under the WCA and are of potential relevance to the proposal include Badger (*Meles meles*), bats, Great Crested Newts, reptiles and birds. The WCA also prohibits the spread of certain non-native invasive species.

The Countryside and Rights of Way Act 2000 (The CRow Act)

- 1.6.4 The CRow Act includes legislation in relation to the Biodiversity Action Plan; more stringent management, protection and consenting measures for SSSIs; greater penalties for wildlife crime; and greater protection for species listed in the WCA. Some of this legislation was superseded by the NERC Act.

The Natural Environment and Rural Communities Act 2006 (The NERC Act)

- 1.6.5 *Sections 40 to 42* of the NERC Act replace *Section 74* of the CRow Act. *Section 40* of the NERC Act extends to all public authorities (including local planning authorities) the existing *Section 74* duty to have regard to biodiversity as far as is consistent with the proper exercise of their functions. In addition, *Sections 41* (England) and *42* (Wales) provide a list of species and habitats of principal importance for conservation of biological diversity. Government has a statutory duty to promote steps “to further the conservation” of habitats and species listed in *Sections 41* and *42*.

Environment (Wales) Act 2016

- 1.6.6 The Environment Act enhances and replaces the current NERC Act (*Section 40*) duty to require all public authorities, when carrying out their functions in Wales, to seek to 'maintain and enhance biodiversity' where it is within the proper exercise of their functions. In doing so, public authorities must also seek to 'promote the resilience of ecosystems'. *Section 7* of the Environment Act provides a list of the living organisms and habitats of principal importance for the purpose of maintaining and enhancing biodiversity in Wales. This list replaces that previously provided in *Section 42* of the NERC Act.

The Protection of Badgers Act 1992 (The Badgers Act)

- 1.6.7 The Badgers Act provides for the protection of Badgers and their setts. This legal protection is provided for welfare rather than the conservation value of the species.

2 METHODOLOGY

2.1 Desk Study

2.1.1 A desk study was undertaken to provide background information on the ecological status of the survey site and its surroundings (a 1 km search area centred on the site was defined). Information was requested from Cofnod, Natural Resources Wales (NRW) and Clwyd Badger Group. Information sought included designated (nature conservation) sites, Ancient Woodland/ other habitats, legally protected species and other species of nature conservation interest. In addition, contextual information available on the MAGIC environmental database (<http://magic.defra.gov.uk/>) was consulted.

2.1.2 Cofnod provide two sets of records – a 'Confidential' set which is not authorised for release into the public domain, and a 'Public Version' where the accuracy of some of the grid references has been reduced. The Confidential data set has been issued to the client as part of this study; 'Public Version' records are utilised in this document (the full report of which is provided as *Appendix 2*).

2.2 Field Survey

Extended Phase 1 Habitat Survey

2.2.1 The Extended Phase 1 Habitat Survey was carried out on 23rd July 2018 by Tom Knight of Marches Ecology. The Extended Phase 1 Habitat plan is provided as *Figure 1*. The survey focussed on land within the site boundary (henceforth referred to as the 'survey site', refer to *Figure 1*). Immediately adjacent habitat was considered where deemed appropriate and viewed from the survey site boundary where possible. The weather during the survey was sunny with 50-80% cloud and a light breeze.

2.2.2 The survey site encompasses a larger area than the footprint of the proposal. For the purposes of this assessment the proposal and immediately surrounding area will be referred to as the 'proposed development site'. The plan entitled '*General Arrangement of Proposed Feed Mill Upgrade Projects – Phase 0.5*' shows the immediate footprint of the proposal.

2.2.3 Phase 1 Habitat Survey involves identifying areas or features of particular interest either in terms of their botanical interest, and/or habitat potential for protected or other notable species that are likely to occur in the region and within the survey site. The Phase 1 Habitat Survey has been adapted in this instance as an 'extended' Phase 1 Habitat Survey, where more information has been obtained to inform site assessment. The methods used centre on the Phase 1 Habitat Survey approach (JNCC 2010) as extended for use in Environmental Impact Assessment (Institute of Environmental Assessment 1995). Extended Phase 1 Habitat Survey involves the following elements:

- Habitat mapping using a set of standard colour codes to indicate habitat types on a Phase 1 Habitat map.
- Description of features of ecological or nature conservation interest in notes relating to numbered locations on the Phase 1 Habitat map, called target notes.

2.2.4 In addition to the habitat map and target notes, a plant species list was compiled (provided in *Table 1, Section 8*). Plant nomenclature in this report follows Stace (2010). July is within the accepted survey period for Extended Phase 1 Habitat Surveys. It is unrealistic to suppose that walk-through surveys can generate completely exhaustive species lists at any time of

year. It is considered that the list in this report indicates the character of the vegetation and the ecological value of the area inspected.

2.2.5 Further information describing the assessment conducted during the Extended Phase 1 Habitat Survey for particular species is provided briefly below:

- Badger. Areas within the survey site that might be used by Badger for foraging and sett building were assessed. Incidental foraging signs, tree scratching, paths, latrines and setts were recorded if found (Harris *et al.*, 1989).
- Bats. The potential value of the habitat for foraging/ commuting and roosting was assessed in accordance with *Table 4.1* provided in Collins (2016).
- Great Crested Newts. The quality of terrestrial and aquatic habitat for Great Crested Newts was assessed. The assessment of aquatic habitat was based on the Habitat Suitability Index (Oldham, *et al.* 2000).
- Reptiles. A qualitative assessment of the habitat for reptiles was undertaken. The survey involved identifying potential basking areas, hibernation sites and foraging habitat. English Nature (2004) provides information on the distribution and ecology of the four widespread species. Habitat requirements differ between species but are summarised in Edgar *et al.* (2010).
- Birds. The habitat within the survey site was assessed for its potential value for breeding birds based on guidance provided in e.g. JNCC (2004).

2.3 Survey Limitations

2.3.1 The following may be considered survey limitations:

- The hard, dry ground may have obscured some signs of the activity of protected species.
- Access to some parts of the site were not possible due to dense, impenetrable vegetation, particularly scrub.
- Access permission was not provided to private land beyond the survey site boundary.

2.4 Evaluation

2.4.1 The ecological importance (value) of habitats and/or species is often assessed according to a number of widely used criteria of which perhaps the most frequently used are naturalness, extent, rarity, and diversity. For the purpose of this report the ecological importance of the habitat and species present on the site has been determined using the approach detailed in CIEEM (2016). Geographical context is used as a frame of reference for identifying the importance of ecological features. The frame of reference has the following categories: International/ European - National - Regional - Metropolitan/County/Vice-county/ other local-authority wide area - Local. Within this report Local is defined as relating to district or parish; less than local refers to features of value at a Site level.

2.4.2 Broadly speaking habitat importance should be determined by identifying designated sites, 'priority habitats' (as defined in CIEEM, 2017a) or by using published, ideally local, site selection criteria. The ecological importance of a species considers its distribution and legal or conservation status, the latter is mostly due to inherent rarity. 'Priority species' are also defined in CIEEM (2017a) and include legally protected species as well as those identified on various conservation lists.

3 BASELINE ECOLOGICAL CONDITIONS

3.1 Protected Sites

Statutory

- 3.1.1 There are no statutory designated sites within 1 km of the survey site. The closest such site is the River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid Site of Special Scientific Interest (SSSI) which is located approximately 2.75 km to the east at its closest point. The River Dee and Bala Lake Special Area of Conservation (SAC) is located approximately 3.26 km to the east at its closest point. The SAC was designated due to the presence of the following features:

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

- Watercourses of plain to montane levels with the *Ranunculion fluitantis* and *Callitricho-Batrachion* vegetation.

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

- Atlantic Salmon (*Salmo trutar*).
- *Luronium natans* (Floating Water-plantain).

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

- Sea Lamprey (*Petromyzon marinus*).
- Brook Lamprey (*Lampetra planeri*).
- River Lamprey (*Lampetra fluviatilis*).
- Bullhead (*Cottus gobio*).
- Otter (*Lutra lutra*).

The River Dee SSSI citation lists all of the above species along with several habitats, further species of plant, fish, mammal and invertebrate as well as features of geological/geomorphological interest.

Non-statutory

- 3.1.2 There is one non-statutory designated site within 1 km of the survey site: Wrexham Industrial Estate Wildlife Site (WS). This WS is divided into three separate sites, the closest to the survey site is an area known as 'The Oaks' which is to the south of Redwither Road. It is located approximately 141 m to the southeast of the survey site at its closest point. This WS includes unmanaged species-rich grassland with several locally notable plant species, areas of scrub and ancient semi-natural broad-leaved woodland at Erlas Black Wood.
- 3.1.3 There are three areas of Ancient Semi-natural Woodland (ASNW) within 1 km of the survey site. Two of these areas are associated with Erlas Black Wood which is located approximately 565 m to the northwest of the survey site at its closest point. The third area appears to be associated with the Redwither Brook corridor and is nearly 900 m away from the survey site at its closest point.

3.2 Habitats and Flora

Introduction

- 3.2.1 The Extended Phase 1 Habitat map is provided as *Figure 1*. The Target Notes (numbered 1 to 16a) are provided in *Section 6* and shown on *Figure 1*.

Broad-leaved Semi-natural Woodland and Trees

- 3.2.2 There is a band of dense scrub and trees adjacent to the eastern boundary (*Target Note 8*). Many of the trees are likely to have been planted. It includes frequent to locally abundant *Prunus avium* (Wild Cherry), frequent *Crataegus monogyna* (Hawthorn), *Rosa canina* agg. (Dog-rose), locally frequent *Betula pendula* (Silver Birch), occasional *Sambucus nigra* (Elder) and lesser amounts of *Fraxinus excelsior* (Ash), *Quercus robur* (Pedunculate Oak) and *Aesculus hippocastanum* (Horse-chestnut). There are some semi-mature trees including Wild Cherry, Horse-chestnut and *Populus* sp. (Poplar) present. The base is largely dominated by *Hedera helix* agg. (Ivy) or tall ruderals such as *Urtica dioica* (Common Nettle). There are also more open patches of tall ruderals including Common Nettle and *Epilobium hirsutum* (Great Willowherb).



Part of the woodland at *Target Note 8* with the Ash tree at *Target Note 8a* on the right-hand side.

- 3.2.3 There is a further small area of woodland at *Target Note 11*. Towards the southwest part of this woodland it is dominated by *Ulmus procera* (English Elm) trees and their suckers. Elsewhere there is a range of trees/ shrubs including frequent Ash, occasional *Populus nigra* 'Italica' (Lombardy Poplar), *Populus xcanadensis* (Hybrid Black-poplar), *Prunus spinosa* (Blackthorn), Hawthorn and a lesser amount of Wild Cherry. There are some large/ semi-mature trees, particularly Ash and Hybrid Black-poplar. The woodland contains some more open patches dominated by *Rubus fruticosus* agg. (Bramble) with Common Nettle, *Cirsium arvense* (Creeping Thistle) and Great Willowherb.



Part of the woodland at Target Note 11.

- 3.2.4 There are three large *Quercus robur* (Pedunculate Oak) trees (Target Notes 1a-c) close to the entrance to the survey site. The cluster of semi-mature English Elm trees at Target Note 13 displays no evidence of elm disease though there is in nearby suckers. Elsewhere there are two lines of conifer trees (Target Notes 4 and 15) with scattered broadleaf trees particularly in the southeast corner (Target Notes 4a-c and 8a-b).



The three Oaks at Target Notes 1a-c.



The semi-mature Elms at *Target Note 13*.

Scrub

- 3.2.5 There are patches of dense and scattered scrub largely towards the eastern side of the site. This scrub is often found in a mosaic with tall ruderal vegetation and unimproved neutral grassland (*Target Notes 5, 6 and 9*). The scrub in these areas is often characterised by the re-growth of trees that appear to have been felled in the recent past along with Hawthorn, Blackthorn, *Salix caprea* (Goat Willow), *Salix cinerea* (Grey Willow) and Bramble.
- 3.2.6 Scattered scrub is also located along the southeast boundary including planted shrubs and around the edges of the two woodland blocks.



Bramble scrub, tall ruderals and unimproved neutral grassland at Target Note 6.

Grassland

- 3.2.7 There are small fragments of unimproved neutral grassland in the eastern half of the site (Target Notes 5, 6 and 9). Typically, this grassland has been subject to recent disturbance due to scrub/ tree clearance and spreading of soil and hardcore materials (e.g. Target Note 7). The remaining patches of unimproved neutral grassland are found in a mosaic with scrub/ tree re-growth and tall ruderal vegetation. The sward is species-rich and contains a small number of locally notable plants.
- 3.2.8 The grassland at Target Note 5 is characterised by frequent *Festuca rubra* (Red Fescue), *Centaurea nigra* (Common Knapweed), *Potentilla reptans* (Creeping Cinquefoil) with locally frequent *Elytrigia repens* (Common Couch), *Arrhenatherum elatius* (False Oat-grass), *Carex nigra* (Common Sedge), *Lathyrus nissolia* (Grass Vetchling), occasional *Vicia hirsuta* (Hairy Tare), *Lotus corniculatus* (Common Bird's-foot-trefoil), *Senecio erucifolius* (Hoary Ragwort) and lesser amounts of *Silaum silaus* (Pepper-saxifrage) and *Dactylorhiza fuchsii* (Common Spotted-orchid).



Patches of species-rich neutral grassland with shrub/ tree re-growth at **Target Note 5**. The bare soil/ ephemeral vegetation in the foreground is at **Target Note 7** and the woodland in the background is at **Target Note 8**.



Species-rich unimproved neutral grassland with shrub/ tree re-growth at Target Note 9.

- 3.2.9 Throughout these areas of grassland there are piles of cut logs, brash and wood chippings from clearance works. There are also piles of various materials including breeze-blocks, bricks, pallets, concrete rubble and machine parts.
- 3.2.10 Areas of amenity grassland are associated with the western half of the site, around the operational buildings (e.g. **Target Note 14**). This amenity grassland is variable but is often moderately species-rich. At **Target Note 14** the sward is dominated by Red Fescue and includes abundant Creeping Cinquefoil, locally frequent *Arenaria serpyllifolia* (Thyme-leaved Sandwort), *Leontodon hispidus* (Rough Hawkbit), occasional *Pilosella officinarum* (Mouse-ear-hawkweed), *Leucanthemum vulgare* (Oxeye Daisy), Common Bird's-foot-trefoil,

Hypochaeris radicata (Cat's-ear) and lesser amounts of *Sherardia arvensis* (Field Madder) and *Catapodium rigidum* (Fern-grass). The bank at this location is apparently of quite sandy soil material and as such appears to be of value for certain mining bees.



Part of the amenity grassland at **Target Note 14.**

Other Habitat

- 3.2.11 Ephemeral vegetation has colonised an area of recently disturbed ground characterised by exposed sub-soil material at **Target Note 7**. This vegetation is generally characterised by low-growing ruderals such as *Polygonum aviculare* (Knotgrass), *Coronopus squamatus* (Swine-cress), *Capsella bursa-pastoris* (Shepherd's-purse) and *Chenopodium polyspermum* (Many-seeded Goosefoot) and grasses such as *Lolium perenne* (Perennial Rye-grass), *Agrostis stolonifera* (Creeping Bent) and *Alopecurus myosuroides* (Black-grass).



Ephemeral vegetation at **Target Note 7.**

- 3.2.12 The main operational building can be split broadly into two parts: a single storey industrial unit with offices (*Target Note 16*) and a three or four storey portal frame industrial unit (*Target Note 16a*). There are a number of metal silos on the east side of the buildings. At *Target Note 3* there is an electricity sub-station and at *Target Note 10* some metal shipping containers used as a workshop. A small gas sub-station is also present but is contained within a fibreglass structure and there is an old oil tank within the woodland at *Target Note 8*.



The building at *Target Note 16* on the left foreground with the main industrial unit in the background (*Target Note 16a*).

- 3.2.13 There are various areas of hard-standing around the building complex. The hard-standing is largely surfaced with tarmac although there are also areas of concrete and hardcore.
- 3.2.14 None of the plant records provided by Cofnod are from within the survey site. There are several records for Grass Vetchling and a small number of records of Pepper-saxifrage from other sites within Wrexham Industrial Estate. Several species of plant listed in *Schedule 9* to the *Wildlife and Countryside Act 1981* have been recorded from Wrexham Industrial Estate.

3.3 Species/ Species Groups

Badgers

- 3.3.1 No setts were recorded within the survey site. Opportunities for sett excavation within the survey site are limited but are provided by the sloping ground and dense vegetative cover in the northern corner and along the northeast boundary of the survey site (e.g. *Target Notes 8* and *11*).
- 3.3.2 A Badger path was recorded at *Target Note 12* entering the site beneath the fence along the northwest boundary. A single dung-pit that had not been used recently was noted by the path. No other evidence of Badger activity was recorded within the survey site. Much of the habitat within the survey site is generally of low potential value for foraging though the areas of amenity grassland may be of greater value.
- 3.3.3 Clwyd Badger Group provided four records within the 1 km search area (and a further four records from beyond the 1 km search area). All of these records relate to setts. The closest sett location to the survey site is approximately 425 m away. Marches Ecology is aware that

this sett was closed under licence in 2012; an artificial sett was provided. The next closest sett to the survey site is approximately 585 m away.

- 3.3.4 Cofnod provided further records including an additional sett located approximately 768 m away from the survey site. Marches Ecology is aware of a fifth sett within the 1 km search area, approximately 880 m away from the survey site.

Bats

- 3.3.5 The single storey industrial unit at *Target Note 16* has a pitched metal sheet (with some fibreglass panels) clad roof and walls. On the western elevation it has brick walls with windows as this houses the offices. There are a small number of floodlights on all sides of the building. This building is largely well sealed although there is a gap at the roof line where damage has occurred to the northwest corner above the offices. It is not known whether there is any kind of roof space above the offices. There is bird netting installed above the roller shutter doors. Features of potential value for roosting bats are limited; this building is of low potential value at most.
- 3.3.6 The three or four storey industrial unit at *Target Note 16a* is constructed with a portal steel frame with metal sheet clad walls and roof. It is generally noisy throughout with high levels of activity. There are floodlights at the roof level on all sides and above all vehicle access points. There are no obvious features of potential value for roosting bats although the whole building was not viewed and assessed in detail.
- 3.3.7 The single storey electricity sub-station at *Target Note 3* is constructed with brick walls with a flat bitumen-covered roof. The mortar-work is sound and there is no gap apparent beneath the fascia. It is of no potential value for roosting bats.
- 3.3.8 The metal shipping containers with an attached sloping roof lean-to at *Target Note 10* are of no potential value for roosting bats.
- 3.3.9 There are a number of trees within the survey site largely around the boundaries and within the areas of woodland (*Target Notes 1a-c, 4, 4a-c, 8, 11, 13 and 15*). Some of these trees may contain features of potential value for roosting bats but generally were not assessed in detail. For example, there are several large trees within the woodland at *Target Notes 8 and 11*. Some of the conifer trees at *Target Note 15* have an approximate diameter at breast height (dbh) of 0.5 m.
- 3.3.10 Some of the largest trees on the site, in terms of girth, are likely to be the Oaks at *Target Notes 1a-c*. Those at *Target Notes 1b and 1c* are of low potential value for roosting bats. No features of potential value for roosting bats were visible in the tree at *Target Note 1a*.
- 3.3.11 The areas of hard-standing and building complex that characterise much of the survey site are likely to be of negligible/ low potential value for foraging/ commuting bats particularly as there are a number of flood-lights fitted to the buildings. The mosaic of habitat in the eastern half of the survey site is likely to be of greater potential value. The sheltered edges of the woodland at *Target Notes 8 and 11* provide linear features of moderate potential value for foraging/ commuting bats. Other similar linear features are provided by the lines of conifer trees at *Target Notes 4 and 15*.
- 3.3.12 Cofnod provided fifteen records for species of bat, including Common Pipistrelle (*Pipistrellus pipistrellus*), Soprano Pipistrelle (*Pipistrellus pygmaeus*), *Pipistrellus* sp., *Nyctalus noctula* (Noctule), *Myotis* sp. and Whiskered bat (*Myotis mystacinus*) within the 1 km search area.

Marches Ecology has also recorded Brown Long-eared Bat (*Plecotus auritus*) from Wrexham Industrial Estate.

- 3.3.13 None of these records is from within the survey site though there are several records from the immediate surrounding area. Many of these records appear to refer to foraging/commuting activity though some, including Whiskered bat, may refer to roosts.

Great Crested Newts

- 3.3.14 There is no aquatic habitat within the survey site of potential value for Great Crested Newts.
- 3.3.15 An initial review of the OS map 1:25, 000 scale and relevant internet-based mapping including aerial photography² indicates that there are two waterbodies within approximately 250 m of the survey site. A detailed pond scoping exercise has not been undertaken although Marches Ecology is able to confirm that both waterbodies remain present. There may be at least six waterbodies within 500 m of the survey site.
- 3.3.16 The closest waterbody to the survey site is located approximately 90 m to the west, on the opposite side of Bridge Road (North). The second waterbody is located approximately 177 m to the north and is within an ecological mitigation area.
- 3.3.17 The survey site is largely characterised by areas of hard-standing and buildings. This terrestrial habitat is of low potential value for Great Crested Newts. The complex of habitat in the eastern half of the site, including unmanaged grassland, scrub, stands of tall ruderals and woodland provides suitable terrestrial habitat and is of moderate to high potential value for Great Crested Newts. The various piles of rubble, stored materials, pallets, wood chippings, logs and brash in this part of the survey site provide potential refugia/ hibernacula that could be utilised by Great Crested Newts.



Pile of breeze-blocks and rubble at Target Note 6.

² <https://www.google.co.uk/maps/place/Wrexham/@53.0402077,-2.9228601,698m/data=!3m1!1e3!4m5!3m4!1s0x487ab5d05739375d:0xd575606934cc778c!8m2!3d53.04304!4d-2.992494>

- 3.3.18 Cofnod provided a large number of records for Great Crested Newt from the 1 km search area. The closest of these records to the survey site is from a large waterbody at the corner of Ash Road South, on the opposite side of Bridge Road (North) to the site, and approximately 90 m away. The most recent of the records from this waterbody is from 2012 and concerns a maximum count of two individuals. Most of the records are from the east/northeast of the survey site, although there are also clusters of records to the south and west.
- 3.3.19 Cofnod provided a single record of Palmate Newt (*Lissotriton helveticus*) and a large number of Smooth Newt (*Lissotriton vulgaris*), Common Toad (*Bufo bufo*) and Common Frog (*Rana temporaria*) records from the 1 km search area.

Reptiles

- 3.3.20 The amenity grassland, hard-standing and buildings that characterise the western half of the survey site are unlikely to be of potential value for reptiles. Whilst greatly disturbed the unmanaged grassland, scattered scrub and stands of tall ruderals that characterise much of the eastern half of the survey site is of moderate potential value for reptiles. There are numerous potential refugia including piles of rubble, logs and brash (e.g. *Target Notes* 6 and 9).
- 3.3.21 Cofnod provided records of Adder (*Vipera berus*) and Slow-worm (*Anguis fragilis*) from the 1 km search area. One record is dated 'before 2009' with the other two records dated 1999. The dates and locations are the same for both species. The closest area to the survey site from which reptiles have previously been recorded is 'The Oaks'.

Birds

- 3.3.22 Nineteen species of bird were recorded during the Extended Phase 1 Habitat Survey either within the survey site or flying over it. The Herring Gull (*Larus argentatus*), Lesser Black-backed Gull (*Larus fuscus*), Starling (*Sturnus vulgaris*), House Sparrow (*Passer domesticus*), Whitethroat (*Sylvia communis*) and Dunnock (*Prunella modularis*) are priority species³. An adult Whitethroat with at least two juveniles was noted at *Target Note* 9 and may have bred within this area. The Starling, House Sparrow and Dunnock could also nest within the survey site. There are no potential nesting opportunities for the Herring Gull or Lesser Black-backed Gull within the survey site. The survey site provides nesting opportunities for species of bird associated with low-growing scrub, trees/ woodland, stands of tall ruderal vegetation and industrial buildings with associated infrastructure.
- 3.3.23 Cofnod provided a large number of bird records from within 1 km of the survey site (though none from within it) largely with four-figure grid references. Records of possible relevance to the survey site include House Sparrow, Dunnock, Starling, Bullfinch (*Pyrrhula pyrrhula*), Song Thrush (*Turdus philomelos*), Barn Owl (*Tyto alba*), Little Ringed Plover (*Charadrius dubius*), Swallow (*Hirundo rustica*), Willow Warbler (*Phylloscopus trochilus*) and Whitethroat.

Other Species

- 3.3.24 Cofnod provided a large number of butterfly and moth records from the 1 km search area. Records of possible relevance to the survey site include Dingy Skipper (*Erynnis tages*), Grizzled Skipper (*Pyrgus malvae*), Small Heath (*Coenonympha pamphilus*), Wall (*Lassiomata megera*) and Cinnabar (*Tyria jacobaeae*). The grid reference given for the closest records of Dingy and Grizzled Skipper appears to be from the survey site – this has

³ As defined in CIEEM (2017a).

not been confirmed. Small Heath and Cinnabar were recorded from the survey site during the Extended Phase 1 Habitat Survey.

- 3.3.25 Cofnod provided several records of Red-girdled Mining Bee (*Andrena labiata*) from the 1 km search area, the most recent dated 1993. There are also records of several other invertebrates, none from the survey site.
- 3.3.26 Cofnod provided two records for Hedgehog (*Erinaceus europaeus*), one record for Stoat (*Mustela erminea*) and several records of Otter (*Lutra lutra*) from Redwither Brook. Redwither Brook is located approximately 155 m to the southwest of the survey site at its closest point.

4 EVALUATION, ASSESSMENT AND RECOMMENDATIONS

4.1 Introduction

4.1.1 Brief details regarding the proposal are provided in *Section 1.4*. An assessment of ecological issues based on the information provided is detailed below and considers:

- potential ecological constraints relevant to the proposal;
- further survey requirements; and
- potential mitigation/ compensation measures along with opportunities for ecological enhancement.

These are dealt with in turn for habitats and flora, and specific species groups in the section below. Potential impacts have been considered with reference to the plans provided only. This assessment considers the proposed development site and immediately surrounding area.

4.2 Evaluation, Assessment and Recommendations

Designated Sites

4.2.1 No statutory or non-statutory designated site would be directly impacted by the proposed development. No ASNW would be directly impacted.

4.2.2 Potential indirect impacts that require consideration are likely to be limited to aerial emissions during the operation phase. The survey site is located within the outer Impact Risk Zone (IRZ) for the River Dee and Bala Lake protected site. *'Impact Risk Zones (IRZs) are a GIS tool developed by Natural England to make a rapid initial assessment of the potential risks posed by development proposals to SSSIs, SACs, SPAs and Ramsar sites. They define zones around each site which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts'*⁴.

4.2.3 While IRZs were developed for use in England it does provide a useful initial assessment. Applicable categories of development which are identified as posing a risk in this instance are 'any industrial/ agricultural development that could cause air pollution including industrial processes with a floorspace greater than 500 m²'. The combined footprint of the proposed development is not known but could be greater than this threshold.

4.2.4 It is understood that the only area that would have air filtration equipment would be the new raw material intake which would be similar to the existing intake except that it would be totally enclosed in a steel structure with cladding. The proposed buildings and storage systems would utilise enclosed equipment as is used in the existing plant, so as to minimise potential dusts, spillages, etc. No further information is available at this time. While this cannot be confirmed it is considered unlikely that the proposal would give rise to any significant indirect impacts on this protected site.

⁴ <https://data.gov.uk/dataset/5ae2af0c-1363-4d40-9d1a-e5a1381449f8/sssi-impact-risk-zones>

Habitat

- 4.2.5 The proposed development site includes the following habitat resources:
- Amenity grassland;
 - A narrow strip of unimproved neutral grassland; and
 - Hard-standing.
- 4.2.6 Due to the size, quality and geographical location of the habitat resources listed above they are considered to be of no more than site value⁵. No further survey of this habitat resource is considered necessary at this time and no particular mitigation measures are proposed (other than the avoidance/ best practice measures detailed below). The loss of a small area of these habitat resources would not give rise to a significant impact.
- 4.2.7 If the narrow strip of unimproved grassland is considered as part of a larger resource it may be of at least local value and depending on the species it supports, potentially of greater value. The narrow strip of this grassland that would be lost due to the proposal is already fairly disturbed and is on the edge of the resource.
- 4.2.8 There is an area of comparatively species-rich amenity grassland/ sandy bank at *Target Note 14*. It is likely that part of this area would be lost due to the requirement to form a vehicle turning arc for the new warehouse extension. This area of grassland supports one notable plant species: Fern-grass. Fern-grass was found to be scattered around much of the survey site, usually associated with the edges of hard-standing. It is suggested that to minimise the impact of this loss a similar sandy bank is formed following excavation of the existing feature. This bank will not be sown, if vegetative cover is required then turves from the existing bank will be appropriately stored and re-laid on the new bank.
- 4.2.9 Valued ecological resources are located close to the proposed development site:
- The mosaic of species-rich unimproved neutral grassland with scattered shrubs and tree re-growth at *Target Notes 5, 6 and 9*.
- 4.2.10 To avoid any possible inadvertent impacts, prior to the start of any preparatory or construction work, temporary protective fencing (e.g. heras) will be installed along the northeast edge of the proposed development site. The purpose of this fencing would be to protect the remaining species-rich neutral grassland resource from further damage. This fence will remain in-situ, and in an effective state of repair, until the completion of the proposed development. No access/ storage of materials/ construction work, etc will be allowed beyond this fence. The alignment of this protective fence will be discussed with, and confirmed by, a suitably qualified ecologist.
- 4.2.11 General best practice measures will be implemented during the construction phase to avoid any indirect impacts (e.g. dust, diffuse pollution, etc) on adjacent habitat. It is assumed for the purpose of this assessment that temporary storage, contractors' compounds, vehicle parking, etc, will be located on an area of existing hard-standing. The general advice contained in the Pollution Prevention Guidance (PPG) leaflets produced by SEPA, EA and the Environment and Heritage Service (Northern Ireland) will be adhered to, particularly the following:
- PPG1: Understanding Your Environmental Responsibilities - Good Environmental Practices.

⁵ In accordance with CIEEM (2016).

- PPG6: Working at Construction and Demolition Sites.
- PPG7: The Safe Operation of Refuelling Facilities.

4.2.12 Assuming the appropriate installation and maintenance of the temporary protective fencing along with the adoption of best practice measures, no significant impact is anticipated on valued habitat resources located close to the proposed development site.

Flora

4.2.13 Two species of plant listed as Locally Rare (LR)⁶ and four listed as Locally Scarce (LS)⁷ in Williams (2014) were recorded from the survey site. The LR species recorded were Black-grass and Many-seeded Goosefoot; the LS species recorded were Pepper-saxifrage, Fern-grass, *Chenopodium ficifolium* (Fig-leaved Goosefoot) and Grass Vetchling. All of these species of plant are listed as of 'Least Concern' in the most recent Vascular Plant Red Data List for Wales (Dines 2008).

4.2.14 One of these species of plant (Fern-grass) was recorded from part of the footprint of the proposed development. However as previously mentioned this plant was recorded from several other parts of the site. As such while a small part of the population would be lost due to the proposal it is likely that Fern-grass would persist at this site. None of the other plants would be directly impacted by the proposed development. Subject to the appropriate installation of temporary protective fencing as detailed above the locations from which these other plants were recorded will be protected during the construction phase. The loss of a small amount of Fern-grass would not give rise to a significant impact.

4.2.15 No particular mitigation measures are deemed necessary other than those detailed above under 'habitat'.

4.2.16 No plants listed in *Schedule 9* to the *Wildlife and Countryside Act 1981* (as amended) were recorded either within or close to the proposed development site.

4.2.17 An Ash sapling that exhibited the symptoms of 'Ash dieback' caused by the fungus *Hymenoscyphus fraxineus* was recorded on the edge of the woodland at *Target Note 11*. Due to the presence of Ash dieback on the site basic biosecurity measures will be implemented whenever work involves entering vegetated areas, and particularly when close to woodland/ scrub. Best practice guidance is available on the Natural Resources Wales website^{8,9,10}.

Fauna

Badgers

4.2.18 No setts were recorded within the survey site and opportunities for sett excavation within the survey site are limited. Evidence of Badger activity was recorded at one location. Much of the habitat within the survey site is generally of low potential value for foraging. As the proposal largely impacts areas of hard-standing with a small amount of amenity grassland this is unlikely to give rise to a significant impact on the available foraging resource. It is also

⁶ Found in 1-3 'Wells' sites in Denbighshire.

⁷ Found in 4-15 'Wells' sites in Denbighshire.

⁸ <https://naturalresources.wales/media/2638/forest-industry-standard-practice.pdf>

⁹ <https://naturalresources.wales/guidance-and-advice/environmental-topics/woodland-management/tree-health-and-biosecurity/biosecurity/?lang=en>

¹⁰ [https://www.forestry.gov.uk/pdf/FC_Biosecurity_Guidance.pdf/\\$file/FC_Biosecurity_Guidance.pdf](https://www.forestry.gov.uk/pdf/FC_Biosecurity_Guidance.pdf/$file/FC_Biosecurity_Guidance.pdf)

unlikely that the proposal would interrupt any routes currently used by Badger. Due to the scale and extent of the proposal these impacts are unlikely to be significant.

- 4.2.19 Best practice will be implemented during any construction phase as a precautionary approach and to avoid any potential impacts on Badgers. If construction includes the excavation of deep holes or trenches, such features will be required to be filled in overnight or otherwise made safe by securely covering them or the provision of suitable ramps. All open ends of pipes or other materials that Badgers may access would need to be securely blocked up overnight. Any fencing that may be required during the construction and operation phases will consider Badger movements so that they are not unnecessarily obstructed.
- 4.2.20 A sett could be excavated subsequent to the completion of this survey. The risk that this could occur is considered to be low. If site clearance/ construction work is not implemented within 12 months of the Extended Phase 1 Habitat Survey then the site will be re-surveyed by a suitably qualified ecologist to check for any setts.

Bats

- 4.2.21 There are no buildings or trees that could provide potential roosting features located within the proposed development site.
- 4.2.22 That part of the building at *Target Note 16* closest to the proposed warehouse extension has a single storey pitched metal sheet (with some fibreglass panels) clad roof and walls (see photo below). It is well sealed at this location and contains no features of potential value for roosting bats. The proposed new warehouse would not be directly attached to this building. No further survey is required and the construction of the proposed warehouse would not have any impact on (roosting) bats.



That part of the existing building (*Target Note 16*) closest to the location of the proposed extension.

- 4.2.23 The existing metal silos on the northeast side of the plant do not provide any features of potential value for roosting bats. The addition of two new silos would not have any particular implications for bats.
- 4.2.24 The proposed new finished product storage/ out-loading facility would be attached to the southeast side of the building at *Target Note 16a* (see photo below). It is well sealed at this location and contains no features of potential value for roosting bats. No further survey is required and the construction of the new facility would not have any impact on (roosting) bats.



That part of the existing building (*Target Note 16a*) to which the proposed finished product storage/ out-loading facility would be attached.

- 4.2.25 The hard-standing and amenity grassland that characterise much of the proposed development site are of negligible or low potential value for foraging/ commuting bats. The small strip of unimproved neutral grassland within the proposed development site is part of a wider resource that is of greater potential value for foraging/ commuting bats. The loss of a small area of these resources would not give rise to a significant impact on foraging/ commuting bats.
- 4.2.26 Features close to the proposed development site are of greater potential value for foraging/ commuting bats, in particular the habitat mosaic at *Target Notes 5, 6 and 9*, and the scrub/ woodland at *Target Notes 8 and 11*. The areas of woodland/ scrub should not be directly impacted. The habitat mosaic at *Target Notes 6 and 9* would be protected during the construction phase by the proposed temporary fencing.
- 4.2.27 External lighting does have the potential to adversely impact bat foraging/ commuting resources. There are a small number of existing flood-lights installed on all sides of the existing building. It is not known when these flood-lights are in use and for how long.
- 4.2.28 No information is currently available on external lighting with regards the proposed development. The potential impact of lighting (both during construction and operation) on bats that may use the proposed development site/ adjacent habitat will be considered. Lighting at the proposed development site will follow guidance provided by The Bat Conservation Trust (2014) and Institution of Lighting Engineers (2011). Lighting that reduces vertical and horizontal light spillage will be used. Measures to avoid/ minimise light spillage will include:
- The habitat resources at *Target Notes 1a-1c, 4, 5, 6, 8, 9, 11, 13 and 15* will be kept as dark as possible;
 - 'Warm white' LED lamps will be used;
 - All luminaires used will be fully directional (e.g. LED using variable aim luminaires) and will point straight down to where the light is required;
 - The number of poles/ bollards/ lamps installed will be kept to a minimum and will be as low (in height) as possible;

- The brightness of all lamps will be as low as legally possible. Low wattage lamps (<70W) will be used; and
- All external lighting will only be turned on when the area is in use wherever possible (and will be fitted with motion detectors and automatic timers).

4.2.29 Assuming that a sympathetic lighting arrangement is installed, no significant impact on potential foraging/ commuting resources close to the proposed development site is anticipated.

Great Crested Newts

- 4.2.30 There is no aquatic habitat (suitable for Great Crested Newts) within the proposed development site or the survey site. The terrestrial habitat within the proposed development site is largely of negligible or low potential value for Great Crested Newts. The narrow strip of unimproved neutral grassland that would be lost may be of moderate potential value.
- 4.2.31 The potential presence of Great Crested Newts in terrestrial habitat is governed more by the proximity of a suitable breeding waterbody than by the quality of the terrestrial habitat. There are two waterbodies within approximately 250 m of the survey site with the closest to the proposed development site being approximately 90 m away to the west. Great Crested Newts have previously been recorded from at least one of these waterbodies. The actual presence of these waterbodies or other waterbodies has not been confirmed by survey, though Marches Ecology is aware that both waterbodies identified within 250 m of the survey site remain extant.
- 4.2.32 Due to the number of waterbodies in this part of Wrexham Industrial Estate, and the recorded presence of Great Crested Newts in many of them, it is possible that individual Great Crested Newts could be found more-or-less anywhere in this area. However, based on the negligible/ low potential value of most of the habitat within the proposed development site, that features of greater potential value would not be directly impacted (with the exception of a small amount of unimproved neutral grassland), that the two closest waterbodies are on the opposite side of Bridge Road North (which would present something of an obstacle to the movement of newts, albeit not absolute), and the likely short duration of the construction phase, the risk that individual Great Crested Newts may be found on the proposed development site is considered to be low. No further survey is considered necessary as there is sufficient data available with which to assess potential impacts.
- 4.2.33 Based on the above assessment and the extent of the currently proposed development it is considered appropriate at this site to adopt a non-licensed Reasonable Avoidance Measures (RAMs) approach. Should this be the case then mitigation would be implemented in accordance with a RAMs Method Statement (to be agreed with NRW). The inherent risk (to the proposed development) with using such an approach would be that should a Great Crested Newt be found at any time during the works then they would need to immediately cease and are unlikely to be able to re-commence until a 'disturbance' licence had been obtained. Other amphibians, including Smooth Newt and Common Toad, that may be found on the site can be removed during the implementation of the RAMs.
- 4.2.34 It should be noted that habitat outside the proposed development site (e.g. the habitat mosaic at *Target Notes 5, 6 and 9*; the woodland/ scrub at *Target Notes 8 and 11*) provides terrestrial habitat of high potential value for Great Crested Newts. These areas also include a number of potential refugia/ hibernacula. It is assumed for the purpose of this assessment that no such areas would be directly impacted, and further that they would be protected during the construction phase by temporary fencing. Should this not be the case and such

areas are directly impacted either by this current proposal or by future phases then it is likely that it would be necessary to obtain a Natural Resources Wales (NRW) 'development' licence prior to the commencement of any works. The licence application would need to consider the maintenance of the Favourable Conservation Status (FCS) of the species in this area both during and after the construction phase.

- 4.2.35 The proposed RAMs would include a Toolbox Talk by a suitably qualified ecologist that would outline the responsibility of individual contractors (with regards Great Crested Newts and other valued ecological resources). The Toolbox Talk would also explain the importance of the temporary protective fence as recommended above, and the reason why no access would be allowed beyond it.
- 4.2.36 Given the appropriate implementation of the RAMs and installation/ maintenance of the temporary protective fencing no significant impact on Great Crested Newts or their habitat is anticipated.

Reptiles

- 4.2.37 The hard-standing and amenity grassland that characterise most of the proposed development site are unlikely to be of potential value for reptiles. The small strip of unimproved neutral grassland that would be lost is part of a wider resource considered to be of moderate potential value for reptiles. No recent records of any species of reptile have been obtained from the surrounding part of Wrexham Industrial Estate.
- 4.2.38 As most of the habitat within the proposed development site is unsuitable for reptiles and there are no recent records for this species group within 1 km of the survey site the risk that individual reptiles may be found on the proposed development site is considered to be negligible/ low. Again, it is assumed for the purpose of this assessment that adjacent areas of habitat of greater potential value for reptiles (e.g. *Target Notes* 5, 6 and 9) would not be directly impacted, and further that they would be protected during the construction phase by temporary fencing.
- 4.2.39 It is recommended that the RAMs Method Statement for Great Crested Newts will also incorporate appropriate actions/ procedures in the eventuality that any reptiles are found prior to or during the construction phase.
- 4.2.40 Given the appropriate implementation of the RAMs and installation/ maintenance of the temporary protective fencing no significant impact on reptiles or their habitat is anticipated.

Birds

- 4.2.41 The breeding bird assemblage supported by the survey site is likely to be of no more than site value though it may include some priority species. The proposed development site does not provide any potential opportunities for nesting birds although it is possible that a small amount of low scrub may need to be cleared to allow for access around the proposed warehouse extension during the construction phase.
- 4.2.42 No further survey for birds is deemed necessary (other than a pre-work check should work be undertaken during the nesting season as detailed below).
- 4.2.43 The destruction of any bird nests that are in use is illegal. The simplest option to avoid issues arising from the presence of nesting birds is to schedule work that affects nesting habitat (e.g. clearance of shrubs/ tall vegetation) outside the nesting period (March to August inclusive). Should any occupied nests be found during the construction phase, a buffer zone (determined on the basis of the species concerned and the location of the nest in the context

of the surrounding vegetation, but no less than 5 m) would be retained until it can be ascertained that the chicks have left the nest. The buffer zone will be appropriately fenced and signed.

- 4.2.44 If it is not possible to clear vegetation outside the nesting season all such areas will be checked by a suitably qualified ecologist prior to commencement of works. If any active nests are found at this time a buffer zone as detailed above would be provided.
- 4.2.45 Habitat resources close to the proposed development site such as the scrub at *Target Note 9* provide opportunities for species that might nest in such habitat. As proposed above adjacent habitat would be protected during the construction phase by a temporary fence. On the assumption that this protective fencing is installed and maintained no significant impact on local bird populations is anticipated.
- 4.2.46 Technical Advice Note 5 (Welsh Government 2009) seeks development to achieve net biodiversity gain. As a potential enhancement (and therefore a positive impact) the installation of a small number of nest-boxes should be considered. These nest-boxes should be installed in non-operational areas of the site, well away from the currently proposed development or any future phases (*e.g.* the woodland at *Target Notes 8 and 11*). The nest-boxes should target key species such as the Starling. It is suggested that five 3SV Schwegler Starling nest-boxes¹¹ should be installed. The nest-boxes should be sited out of reach (though accessible for maintenance), 3 m or more off the ground ideally on large tree trunks. All of the nest-boxes should be located somewhere between (facing) north through east to southeast; avoiding prevailing winds and direct sunlight where possible. These nest-boxes should be installed either by, or under the direction of, a suitably qualified ecologist to ensure correct installation.

Other Species

- 4.2.47 Based on the small scale of the proposed development and loss of a mostly low value habitat resource no significant impact is currently anticipated on any of the identified priority species that are, or may be present on the site. Most of the habitat within the proposed development site is not suitable for these species. Adjacent habitat that is used by Small Heath and Cinnabar, and may be used by Dingy and Grizzled Skipper will largely not be directly impacted and would be protected during the construction phase by the proposed temporary protective fencing.

¹¹ <https://www.nhbs.com/3sv-schwegler-nest-box-with-predator-protection>

5 SUMMARY CONCLUSIONS

5.1.1 This report concludes the following with regards existing (on- and off-site) ecological resources:

- No designated sites or ASNW would be directly impacted by the proposed development.
- The River Dee and Bala Lake SSSI/ SAC is unlikely to be indirectly impacted by the proposed development though this cannot be confirmed based on the information provided. No other designated sites or ASNW would be indirectly impacted.
- Small areas of hard-standing and amenity grassland of no more than site value would be lost due to the proposed development. A small area of unimproved neutral grassland that is part of a resource of at least local value would also be lost. Some valued habitat features (e.g. the habitat mosaic at *Target Notes 5, 6 and 9*) are located close to the proposed development site.
- There are a number of locally notable plants within the survey site, one of which was recorded from the proposed development site.
- No Badger setts were recorded from the survey site though evidence of Badger activity was recorded at one location. The habitat resource within the proposed development site is largely of low value.
- There are no buildings or trees that could provide potential roosting features for bats within the proposed development site. There are no features of potential value for roosting bats in adjacent structures. The habitat within the proposed development site is of negligible/ low potential value for foraging/ commuting bats. Some features of potential value for foraging/ commuting bats are located close to the proposed development site.
- There is no aquatic habitat of potential value for Great Crested Newts within the proposed development site. The terrestrial habitat within the proposed development site is of negligible/ low potential value for Great Crested Newts. Terrestrial habitat of greater potential value is located close to the proposed development site. There are two waterbodies within 250 m of the proposed development site and Great Crested Newts have been recorded from at least one of these. The risk to individual Great Crested Newts posed by the proposal is considered to be low.
- Most of the habitat within the proposed development site is unsuitable for reptiles. Habitat of greater potential value is located close to the proposed development site.
- There are no features that provide potential nesting opportunities for birds within the proposed development site although an adjacent area of low scrub may be impacted. Habitat of potential value for nesting birds is located close to the proposed development site.
- The habitat resource adjacent to the proposed development site may be of value to several priority species, in particular butterflies and moths.

5.1.2 This report recommends the following avoidance/ mitigation measures:

- The sandy bank at *Target Note 14* should be re-formed following the construction phase and allowed to naturally regenerate.
- Temporary protective fencing should be installed around the habitat mosaic at *Target Notes 5, 6 and 9*.
- General best practice measures should be implemented during the construction phase to avoid any indirect impacts on adjacent habitat.

- Due to the presence of Ash dieback on the site basic biosecurity measures should be implemented.
- Best practice should be implemented during any construction phase to avoid any potential impacts on Badgers. Should work not commence within 12 months of the previous survey then the site should be re-surveyed for any setts.
- Any external lighting provided as part of the proposed development should accord with best practice guidance to minimise impacts on foraging/ commuting bats.
- A RAMs Method Statement for Great Crested Newts should be produced and implemented. Individual responsibility and awareness raising would be addressed through a Toolbox Talk prior to the commencement of the construction phase.
- The RAMs Method Statement should incorporate appropriate actions should any reptiles be found during the implementation of the RAMs or at any other time during the construction phase.
- Site clearance works should be undertaken outside the bird nesting season. Should this not be possible then suitable habitat would need to be checked by a qualified ecologist prior to the commencement of work.

5.1.3 This report recommends the following enhancement measures:

- Five Starling nest-boxes should be installed in areas of retained woodland.

6 TARGET NOTES

Target Note 1. Three large *Quercus robur* (Pedunculate Oak) trees (*Target Notes 1a-c*).

Target Note 1a. Approximate diameter at breast height (dbh) of 0.5 m. There is a limited amount of deadwood present in the branches but otherwise there are no visible features of potential value for roosting bats.

Target Note 1b. Approximate dbh of 1 m. There is some dense *Hedera helix* agg. (Ivy) on the lower trunk. A small rot-hole was noted in an old pruning wound but this may not be very deep. There are some small splits in the bark where there is deadwood. This tree is of low potential value for roosting bats at most.

Target Note 1c. Approximate dbh of 1 m. There are some small splits/ cavities largely at old pruning wounds. This tree is of low potential value for roosting bats.

Target Note 2. *Catapodium rigidum* (Fern-grass) is locally abundant along the back of the kerb and in similar situations around the site.

Target Note 3. A typical single storey electricity sub-station. It is constructed with brick walls with a flat bitumen-covered roof. The mortar-work is sound and there is no gap apparent beneath the fascia. It is of no potential value for roosting bats.

Target Note 4. A line of young *Thuja plicata* (Western Red-cedar) trees with approximate dbh's of up to 0.15 m. This line includes a few other young planted trees/ shrubs such as *Alnus cordata* (Italian Alder), *Crataegus monogyna* (Hawthorn) and *Viburnum opulus* (Guelder-rose).

Target Note 4a. There is also a large multi-stemmed *Salix caprea* (Goat Willow). The largest stem has an approximate dbh of 0.2 m. This tree contains no features of potential value for roosting bats.

Target Note 4b. Young *Betula pendula* (Silver Birch) trees with dbh's of up to 0.1 m. They contain no features of potential value for roosting bats.

Target Note 4c. A cluster of young *Betula pendula* (Silver Birch) trees with dbh's of up to 0.2 m. They contain no features of potential value for roosting bats.

Target Note 5. Small fragments of much disturbed species-rich unimproved neutral grassland adjacent to an area of recently disturbed land. Young trees, largely *Betula pendula* (Silver Birch), and shrubs, largely *Crataegus monogyna* (Hawthorn), appear to have been cleared from this area relatively recently. The grassland is characterised by frequent *Festuca rubra* (Red Fescue), *Centaurea nigra* (Common Knapweed), *Potentilla reptans* (Creeping Cinquefoil) with locally frequent *Elytrigia repens* (Common Couch), *Arrhenatherum elatius* (False Oat-grass), *Carex nigra* (Common Sedge), *Lathyrus nissolia* (Grass Vetchling), occasional *Vicia hirsuta* (Hairy Tare), *Lotus corniculatus* (Common Bird's-foot-trefoil), *Senecio erucifolius* (Hoary Ragwort) and lesser amounts of *Silvaum silaus* (Pepper-saxifrage) and *Dactylorhiza fuchsii* (Common Spotted-orchid). Re-growth of *Betula pendula* (Silver Birch), *Salix caprea* (Goat Willow), *Crataegus monogyna* (Hawthorn) and *Prunus spinosa* (Blackthorn) is locally frequent throughout.

Target Note 6. A mosaic of small patches of unimproved neutral grassland with scattered scrub, re-growth of felled trees, ephemeral vegetation associated with disturbed ground and stands of tall ruderals; particularly *Heracleum sphondylium* (Hogweed) and *Chamerion angustifolium* (Rosebay Willowherb). The largest tree stump is approximately 0.2 m across. There is a large pile of brash from the recently cleared shrubs/ trees and piles of various materials including breeze blocks, bricks, pallets, concrete rubble, machine parts, cut logs and wood chippings.

Target Note 7. Ephemeral vegetation over recently disturbed ground – sub-soil material. The vegetation is generally characterised by low-growing ruderals such as *Polygonum aviculare* (Knotgrass), *Coronopus squamatus* (Swine-cress), *Capsella bursa-pastoris* (Shepherd's-purse) and *Chenopodium polyspermum* (Many-seeded Goosefoot) and grasses such as *Lolium perenne* (perennial Rye-grass), *Agrostis stolonifera* (Creeping Bent) and *Alopecurus myosuroides* (Black-grass).

Target Note 8. A band of dense scrub and trees which includes frequent to locally abundant *Prunus avium* (Wild Cherry), frequent *Crataegus monogyna* (Hawthorn), *Rosa canina* agg. (Dog-rose), locally

frequent *Betula pendula* (Silver Birch), occasional *Sambucus nigra* (Elder) and lesser amounts of *Fraxinus excelsior* (Ash), *Quercus robur* (Pedunculate Oak) and *Aesculus hippocastanum* (Horse-chestnut). There are some semi-mature trees including *Prunus avium* (Wild Cherry), *Aesculus hippocastanum* (Horse-chestnut) and *Populus* sp. (Poplar) present. The base is largely dominated by *Hedera helix* agg. (Ivy) or tall ruderals such as *Urtica dioica* (Common Nettle). There are also patches of tall ruderals including *Urtica dioica* (Common Nettle) and *Epilobium hirsutum* (Great Willowherb).

The trees were not individually assessed for their potential value to roosting bats.

Target Note 8a. A multi-stemmed *Fraxinus excelsior* (Ash). The largest stem has an approximate dbh of 0.15 m. It contains no features of potential value to roosting bats.

Target Note 8b. A cluster of young/ semi-mature *Betula pendula* (Silver Birch) trees. The largest has an approximate dbh of 0.2 m. They contain no features of potential value to roosting bats.

Target Note 9. A mosaic of small fragments of species-rich unimproved neutral grassland with scattered shrubs and tree re-growth. This area appears to have previously supported scattered young trees/ shrubs, largely *Betula pendula* (Silver Birch), *Salix caprea* (Goat Willow) and *Salix cinerea* (Grey Willow), that have been cleared relatively recently. The grassland, which is much disturbed by recent clearance works, is dominated by *Festuca rubra* (Red Fescue) and *Arrhenatherum elatius* (False Oat-grass) with locally abundant *Medicago lupulina* (Black Medick), frequent *Fraxinus excelsior* (Ash) seedlings, locally frequent *Carex nigra* (Common Sedge), *Agrostis capillaris* (Common Bent), *Primula veris* (Cowslip), *Carex otrubae* (False Fox-sedge), *Melilotus altissimus* (Tall Melilot), occasional *Lathyrus pratensis* (Meadow Vetchling), *Lathyrus nissolia* (Grass Vetchling), *Daucus carota* (Wild Carrot), *Carex flacca* (Glaucous Sedge) and lesser amounts of *Centaurea nigra* (Common Knapweed), *Pulicaria dysenterica* (Common Fleabane), *Agrimonia eupatoria* (Agrimony) and *Dactylorhiza fuchsii* (Common Spotted-orchid). There are some large piles of cut logs and wood chippings. There may have previously been a building on this area as there are various piles of concrete/ bricks.

There is an adjacent recently disturbed area of bare soil with scattered low-growing ruderals. Some medium-sized trees, to 0.35 m across the stump, have been cleared from this area.

Target Note 10. Metal shipping containers with an attached sloping roof lean-to.

Target Note 11. Woodland with a range of trees/ shrubs including locally abundant *Ulmus procera* (English Elm), frequent *Fraxinus excelsior* (Ash), occasional *Populus nigra* 'Italica' (Lombardy Poplar), *Populus xcanadensis* (Hybrid Black-poplar), *Prunus spinosa* (Blackthorn), *Crataegus monogyna* (Hawthorn) and a lesser amount of *Prunus avium* (Wild Cherry). There are some large/ semi-mature trees, particularly *Fraxinus excelsior* (Ash) and *Populus xcanadensis* (Hybrid Black-poplar). Some areas are dominated by *Ulmus procera* (English Elm) with *Hedera helix* agg. (Ivy) dominant in the ground layer. The trees were not individually assessed for their potential value to roosting bats. The woodland contains some more open patches dominated by *Rubus fruticosus* agg. (Bramble) with *Urtica dioica* (Common Nettle), *Cirsium arvense* (Creeping Thistle) and *Epilobium hirsutum* (Great Willowherb).

Target Note 12. A well used Badger path with one old dung-pit located adjacent to it.

Target Note 13. A cluster of semi-mature *Ulmus procera* (English Elm) trees; the largest has an approximate dbh of 0.25 m. Most of the stems may originate from the same original tree. There is no evidence of elm disease in these trees though there is in nearby suckers.

Target Note 14. The amenity grassland located around the site is often moderately species-rich. At this location the sward is dominated by *Festuca rubra* (Red Fescue) and includes abundant *Potentilla reptans* (Creeping Cinquefoil), locally frequent *Arenaria serpyllifolia* (Thyme-leaved Sandwort), *Leontodon hispidus* (Rough Hawkbit), occasional *Pilosella officinarum* (Mouse-ear-hawkweed), *Leucanthemum vulgare* (Oxeye Daisy), *Lotus corniculatus* (Common Bird's-foot-trefoil), *Hypochaeris radicata* (Cat's-ear) and lesser amounts of *Sherardia arvensis* (Field Madwort), *Catapodium rigidum* (Fern-grass). The bank at this location is apparently of quite sandy soil material and as such appears to be of value for certain mining bees.

Target Note 15. A line of conifer trees with dbh's of up to 0.5 m. These trees were not individually assessed for their potential value to roosting bats.

Target Note 16. A single storey industrial unit with a pitched metal sheet (with some fibreglass panels) clad roof and walls. On the western elevation it has brick walls with windows as this houses the offices. There are a small number of floodlights on all sides of the building. This building is largely well sealed although there is a gap at the roof line where damage has occurred to the northwest corner above the offices. It is not known whether there is any kind of roof space above the offices. There is bird netting installed above the roller shutter doors.

Target Note 16a. A three or four storey industrial unit constructed with a portal steel frame with metal sheet clad walls and roof. It is generally noisy throughout with high levels of activity. There are floodlights at the roof level on all sides and above all vehicle access points. There are no obvious features of potential value for roosting bats although the whole building was not viewed and assessed in detail.

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8 DATA*Table 1 – Vascular plant species recorded within the survey site*

Plant Species	
	<i>Festuca rubra</i> (Red Fescue)
<i>Acer campestre</i> (Field-maple)	<i>Fumaria officinalis</i> (Common Fumitory)
<i>Acer pseudoplatanus</i> (Sycamore)	<i>Galium aparine</i> (Cleavers)
<i>Aesculus hippocastanum</i> (Horse-chestnut)	<i>Geranium dissectum</i> (Cut-leaved Crane's-bill)
<i>Alnus cordata</i> (Italian Alder)	<i>Geranium molle</i> (Dove's-foot Crane's-bill)
<i>Betula pendula</i> (Silver Birch)	<i>Geranium robertianum</i> (Herb-robert)
<i>Cornus alba</i> (White Dogwood)	<i>Geum urbanum</i> (Wood Aven's)
<i>Corylus avellana</i> (Hazel)	<i>Hedera helix</i> agg. (Ivy)
<i>Crataegus monogyna</i> (Hawthorn)	<i>Helminthotheca echioides</i> (Bristly Oxtongue)
<i>Fraxinus excelsior</i> (Ash)	<i>Heracleum sphondylium</i> (Hogweed)
<i>Ilex aquifolium</i> (Holly)	<i>Holcus lanatus</i> (Yorkshire-fog)
<i>Malus domestica</i> (Apple)	<i>Hordeum</i> sp. (Barley)
<i>Populus ×canadensis</i> (Hybrid Black- poplar)	<i>Hypericum hirsutum</i> (Hairy St. John's-wort)
<i>Populus ×canescens</i> (Grey Poplar)	<i>Hypochaeris radicata</i> (Cat's-ear)
<i>Populus nigra</i> 'Italica' (Lombardy Poplar)	<i>Juncus effusus</i> (Soft-rush)
<i>Prunus avium</i> (Wild Cherry)	<i>Juncus inflexus</i> (Hard Rush)
<i>Prunus laurocerasus</i> (Cherry Laurel)	<i>Lactuca serriola</i> (Prickly Lettuce)
<i>Prunus spinosa</i> (Blackthorn)	<i>Lapsana communis</i> (Nipplewort)
<i>Quercus robur</i> (Pedunculate Oak)	<i>Lathyrus nissolia</i> (Grass Vetchling)
<i>Rosa canina</i> agg. (Dog-rose)	<i>Lathyrus pratensis</i> (Meadow Vetchling)
<i>Salix caprea</i> (Goat Willow)	<i>Leontodon autumnalis</i> (Autumn Hawkbit)
<i>Salix cinerea</i> (Grey Willow)	<i>Leontodon hispidus</i> (Rough Hawkbit)
<i>Sambucus nigra</i> (Elder)	<i>Leucanthemum vulgare</i> (Oxeye Daisy)
<i>Sorbus aucuparia</i> (Rowan)	<i>Lolium perenne</i> (Perennial Rye-grass)
<i>Sorbus intermedia</i> agg. (Swedish Whitebeam)	<i>Lotus corniculatus</i> (Common Bird's-foot-trefoil)
<i>Thuja plicata</i> (Western Red-cedar)	<i>Medicago lupulina</i> (Black Medick)
<i>Ulmus</i> sp. (Elm)	<i>Melilotus altissimus</i> (Tall Melilot)
<i>Ulmus procera</i> (English Elm)	<i>Myosotis arvensis</i> (Field Forget-me-not)
<i>Viburnum opulus</i> (Guelder-rose)	<i>Papaver rhoeas</i> (Common Poppy)
	<i>Persicaria maculosa</i> (Redshank)
<i>Achillea millefolium</i> (Yarrow)	<i>Pilosella officinarum</i> (Mouse-ear-hawkweed)
<i>Agrimonia eupatoria</i> (Agrimony)	<i>Plantago lanceolata</i> (Ribwort Plantain)
<i>Agrostis capillaris</i> (Common Bent)	<i>Plantago major</i> (Greater Plantain)
<i>Agrostis stolonifera</i> (Creeping Bent)	<i>Poa annua</i> (Annual Meadow-grass)
<i>Alliaria petiolata</i> (Garlic Mustard)	<i>Polygonum aviculare</i> (Knotgrass)
<i>Alopecurus geniculatus</i> (March Foxtail)	<i>Potentilla reptans</i> (Creeping Cinquefoil)

<i>Alopecurus myosuroides</i> (Black-grass)	<i>Primula veris</i> (Cowslip)
<i>Anagallis arvensis</i> (Scarlet Pimpernel)	<i>Prunella vulgaris</i> (Selfheal)
<i>Anisantha sterilis</i> (Barren Brome)	<i>Pulicaria dysenterica</i> (Common Fleabane)
<i>Anthriscus sylvestris</i> (Cow Parsley)	<i>Ranunculus acris</i> (Meadow Buttercup)
<i>Arenaria serpyllifolia</i> (Thyme-leaved Sandwort)	<i>Ranunculus repens</i> (Creeping Buttercup)
<i>Arrhenatherum elatius</i> (False Oat-grass)	<i>Rubus fruticosus</i> agg. (Bramble)
<i>Artemisia vulgaris</i> (Mugwort)	<i>Rumex conglomeratus</i> (Clustered Dock)
<i>Atriplex patula</i> (Common Orache)	<i>Rumex crispus</i> (Curled Dock)
<i>Avena fatua</i> (Wild-oat)	<i>Rumex obtusifolius</i> (Broad-leaved Dock)
<i>Barbarea vulgaris</i> (Winter-cress)	<i>Sagina procumbens</i> (Procumbent Pearlwort)
<i>Bellis perennis</i> (Daisy)	<i>Scrophularia nodosa</i> (Common Figwort)
<i>Blackstonia perfoliata</i> (Yellow-wort)	<i>Senecio erucifolius</i> (Hoary Ragwort)
<i>Bromus hordaceus</i> (Soft-brome)	<i>Senecio jacobaea</i> (Common Ragwort)
<i>Capsella bursa-pastoris</i> (Shepherd's-purse)	<i>Senecio squalidus</i> (Oxford Ragwort)
<i>Cardamine pratensis</i> (Cuckoo-flower)	<i>Senecio vulgaris</i> (Groundsel)
<i>Carex</i> sp.	<i>Sherardia arvensis</i> (Field Madder)
<i>Carex flacca</i> (Glaucous Sedge)	<i>Silaum silaus</i> (Pepper-saxifrage)
<i>Carex nigra</i> (Common Sedge)	<i>Sisymbrium officinale</i> (Hedge Mustard)
<i>Carex otrubae</i> (False Fox-sedge)	<i>Solanum dulcamara</i> (Bittersweet)
<i>Calystegia sepium</i> (Hedge Bindweed)	<i>Solanum nigrum</i> (Black Nightshade)
<i>Catapodium rigidum</i> (Fern-grass)	<i>Sonchus arvensis</i> (Perennial Sowthistle)
<i>Centaurea nigra</i> (Common Knapweed)	<i>Sonchus oleraceus</i> (Smooth Sow-thistle)
<i>Centaureum erythraea</i> (Common Centaury)	<i>Stachys palustre</i> (Marsh Woundwort)
<i>Cerastium fontanum</i> (Common Mouse-ear)	<i>Stachys sylvatica</i> (Hedge Woundwort)
<i>Chaerophyllum temulum</i> (Rough Chervil)	<i>Stellaria media</i> (Common Chickweed)
<i>Chamerion angustifolium</i> (Rosebay Willowherb)	<i>Taraxacum</i> sect. <i>Ruderalia</i> (Common Dandelion)
<i>Chenopodium ficifolium</i> (Fig-leaved Goosefoot)	<i>Tragopogon pratensis</i> (Goat's-beard)
<i>Chenopodium polyspermum</i> (Many-seeded Goosefoot)	<i>Trifolium micranthum</i> (Slender Trefoil)
<i>Cirsium arvense</i> (Creeping Thistle)	<i>Trifolium pratense</i> (Red Clover)
<i>Cirsium vulgare</i> (Spear Thistle)	<i>Trifolium repens</i> (White Clover)
<i>Coronopus squamatus</i> (Swine-cress)	<i>Tripleurospermum inodorum</i> (Scentless Mayweed)
<i>Dactylorhiza fuchsii</i> (Common Spotted-orchid)	<i>Triticum</i> sp. (Wheat)
<i>Dactylis glomerata</i> (Cock's-foot)	<i>Tussilago farfara</i> (Colt's-foot)
<i>Daucus carota</i> (Wild Carrot)	<i>Typha latifolia</i> (Bulrush)
<i>Deschampsia cespitosa</i> (Tufted Hair-grass)	<i>Urtica dioica</i> (Common Nettle)
<i>Elytrigia repens</i> (Common Couch)	<i>Veronica persica</i> (Common Field-speedwell)
<i>Epilobium ciliatum</i> (American Willowherb)	<i>Veronica serpyllifolia</i> (Thyme-leaved Speedwell)
<i>Epilobium hirsutum</i> (Great Willowherb)	<i>Vicia cracca</i> (Tufted Vetch)

<i>Epilobium montanum</i> (Broad-leaved Willowherb)	<i>Vicia hirsuta</i> (Hairy Tare)
<i>Epilobium parviflorum</i> (Hoary Willowherb)	<i>Vinca major</i> (Greater Periwinkle)
<i>Euphorbia helioscopia</i> (Sun Spurge)	<i>Vulpia bromoides</i> (Squirreltail Fescue)

9 APPENDIX 1 - SPECIES-SPECIFIC LEGISLATION

9.1 Introduction

- 9.1.1 The species-specific legislation below is presented here due either to the actual or suspected/ possible presence of each species on the site or within the zone of influence and is therefore considered to be relevant for this study.
- 9.1.2 This sub-section provides a brief summary of key relevant species legislation. It should not be considered a comprehensive review and is not meant to be so. It is provided here for information only and is not intended to replace specialised legal advice. It does not replace the text of the legislation, but summarises the salient points.

9.2 Badger

- 9.2.1 The Badger is protected in Britain under the *Protection of Badgers Act 1992* and *Schedule 6 of the Wildlife and Countryside Act 1981* (as amended). The legislation affords protection to Badger and Badger setts, and makes it a criminal offence to:
- wilfully kill, injure, take, possess or cruelly ill-treat a Badger, or attempt to do so;
 - interfere with a sett by damaging or destroying it;
 - to obstruct access to, or any entrance of, a Badger sett; or
 - to disturb a Badger when it is occupying a sett.

9.3 Bats

- 9.3.1 All species of British bat are listed on *Schedule 5 of the Wildlife and Countryside Act 1981* (as amended), and receive full protection under *Section 9*. They are also listed as European Protected Species on *Schedule 2 of The Conservation of Habitats and Species Regulations 2017* which gives them full protection under *Regulation 42(1)*. Protection was extended by the *Countryside and Rights of Way Act 2000* (the *CRoW Act 2000*).
- 9.3.2 Under the above legislation it is an offence to intentionally or recklessly:
- kill, injure or take an individual of such a species;
 - possess any part of such species either alive or dead;
 - damage, destroy or obstruct access to any place or structure used by such species for shelter, rest, protection or breeding;
 - disturb such a species whilst using any place of shelter or protection; or
 - sell or attempt to sell any such species.
- 9.3.3 Several species of bat are included on *Section 7 of the Environment Act 2016*.
- 9.3.4 All species of British bat are also protected under *Schedule 6 of the Wildlife and Countryside Act 1981* (as amended). This protection relates specifically to trapping and direct pursuit of the species.

9.4 Great Crested Newt

- 9.4.1 Great Crested Newts are listed on *Schedule 5 of the Wildlife and Countryside Act 1981* (as amended), and receive full protection under *Section 9*. The 1981 Act was amended by the *CRoW Act 2000* which further extends the protection. It is also listed on *Annexes II and IV of the European Union Directive on Natural Habitats and Wild Fauna and Flora (Council*

Directive 92/43/EEC), which is implemented in the UK by *The Conservation of Habitats and Species Regulations 2017*. It is included on *Schedule 2* of the Habitats Regulations which gives it full protection under *Regulation 42(1)*. The Great Crested Newt is therefore a so-called European Protected Species. The legislation applies to all life stages of the Great Crested Newt, including eggs, larvae, juveniles and adults.

9.4.2 Under the above legislation it is an offence to intentionally or recklessly:

- kill, injure or take an individual of such a species;
- possess any part of such species either alive or dead;
- damage, destroy or obstruct access to any place or structure used by such species for shelter, rest, protection or breeding;
- disturb such a species whilst using any place of shelter or protection; or
- sell or attempt to sell any such species.

9.4.3 The Great Crested Newt is included on *Section 7* of the *Environment Act 2016*.

9.5 Reptiles

9.5.1 Viviparous Lizard, Grass Snake, Slow-worm and Adder are all listed under *Schedule 5* of the *Wildlife and Countryside Act 1981* (as amended), in respect of *Section 9(5)* and part of *Section 9(1)*. This protection was extended by the *CRoW Act 2000*.

9.5.2 Under the above legislation it is an offence to:

- intentionally or recklessly kill or injure any individual of such a species; or
- sell or attempt to sell any part of the species alive or dead.

9.5.3 All four of the above listed reptiles are included on *Section 7* of the *Environment Act 2016*.

9.6 Birds

9.6.1 All species of bird are protected under *Section 1* of the *Wildlife and Countryside Act 1981* (as amended). The protection was extended by the *CRoW Act 2000*.

9.6.2 The legislation makes it an offence to intentionally or recklessly:

- kill, injure or take any wild bird;
- take, damage or destroy the nest of any wild bird while that nest is in use or being built; or
- take or destroy an egg of any wild bird.

9.6.3 Certain species of bird are listed on *Schedule 1* of the *Wildlife and Countryside Act 1981* (as amended) and receive protection under *Sections 1(4)* and *1(5)* of the Act. The legislation confers special penalties where the above mentioned offences are committed for any such bird and also make it an offence to intentionally or recklessly:

- disturb any such bird, whilst building its nest or it is in or near a nest containing dependant young; or
- disturb the dependant young of such a bird.

9.6.4 *Section 7* of the *Environment Act 2016* includes several birds.

10 APPENDIX 2 – DATA SUPPLIED BY COFNOD (PUBLIC VERSION)

Cofnod Environmental Information Search (PUBLIC VERSION)

Our Reference	E06610
Your Reference	C379
Requested By	Marches Ecology
Data Users	Tom Knight, Partner, Marches Ecology Max Ellison, Partner, Marches Ecology Carl Hughes, HDS Architectural Services Paul Sawczuk, Altrech Ltd
Search Date	18/07/2018
Expiry Date	18/01/2019
Search Type	Chargeable

Important Issues

- Use of the data is governed by Cofnod's [Terms & Conditions](#).
- Data marked as confidential or sensitive must not be released into the public domain, with the exception of the Public Version of the PDF report, which has had sensitive information removed or restricted.
- You should not amend any part of the downloaded records.
- Unless otherwise agreed, use of the data is valid until the Expiry Date (18/01/2019).
- The data was generated on the Search Date (18/07/2018) and is not live.
- The Dataset ID associated with each record can be used to find information about the provenance of the data. See the [Data We Hold](#) page on our website for more information.
- Verification Levels are given for each record. For further information see our Data Quality Policy, available from our [website](#).
- Please [contact us](#) if you have any questions about using the data or wish to add further Data Users.

Notes

- Cofnod uses a search system which optionally reports species (usually high priority or protected species) within a specified search radius or buffer. Where required a search will also include high priority 'Mobile Species', such as bats, otters, amphibians and certain invertebrates, which lie outside the specified search radius. These species are highlighted on the report with **(Mobile)** next to the distance. They have been selected as 'Mobile Species' as their territory (possibly due to foraging activity or life cycle) could intersect with the search radius.
- Records with 4 figure grid references are displayed as 1km squares on any relevant maps. They are highlighted with **(1km)** next to the distance.
- Records shown in **bold** typeface are sensitive species records, and some details have been restricted in this public version of the report.

Data Description

Distance	Indicates the distance, in metres, between the GRID REFERENCE of the record (using the central point of the grid square) and the search location. For any Sensitive Species Records, this cannot be released into the Public Domain.
Species Name	Name of the taxon (usually identified to species level) using the binomial system.
Grid Reference	Full grid reference based on the Ordnance Survey grid system. For any Sensitive Species Records, this cannot be released into the Public Domain.
Date	Date on which the record was made. In some cases this might be a date range, or a vague date such as 'Summer 2010'.
Recorder(s)	One or more people who made the original observation and recorded it in some way. It may have subsequently been included in a data collation by another person or it may have been submitted to Cofnod directly.
Abundance	Number of individuals recorded. Where not specified it is assumed that at least one was present.
Record Type	The recording methods used (only where specified).
Site Name	The site name (if one has been supplied). For any Sensitive Species Records, this cannot be released into the Public Domain.
Comments	Any additional notes about the sighting, including any information on habitat or substrate if this is available. For any Sensitive Species Records, this cannot be released into the Public Domain.
Dataset ID	ID of this dataset. See 'Important Issues' for more details.
Lists	Any local, national or international conservation statuses or legal protection which apply to this species and whether it is included in any Local Biodiversity Action Plans. See 'Abbreviations' for more details.
V	Summarised record Verification Level. The following codes are used: 1 - Unassessed, 2 - Unconfirmed, 3 - Considered Correct by Cofnod, 4 - Considered Correct by Expert. See our Data Quality policy, available from the Cofnod website for more details.

Abbreviations

ANG - Anglesey County Council Local Biodiversity Action Plan, **AONB** - Area of Outstanding Natural Beauty, **AW** - Ancient Woodland, **BAP** - UK Biodiversity Action Plan, **BDir1** - EU Birds Directive Annexe 1, **BDir2.1** - EU Birds Directive Annexe 2.1, **BDir2.2** - EU Birds Directive Annexe 2.2, **Bern** - Bern Convention on the Conservation of European Wildlife and Natural Habitats, **Bonn** - Bonn Convention on the Conservation of Migratory Species of Wild Animals, **CITES** - Convention on International Trade in Endangered Species of Wild Fauna and Flora, **CON** - Conwy County Borough Council Local Biodiversity Action Plan, **DEN** - Denbighshire County Council Local Biodiversity Action Plan, **EPS** - European Protected Species, **FLI** - Flintshire County Council Local Biodiversity Action Plan, **GWY** - Gwynedd County Council Local Biodiversity Action Plan, **HDir** - EU Habitats Directive, **INNS** - Invasive Non-native Species, **LBAP** - Local Biodiversity Action Plan species for the listed area, **LI** - Locally Important within the listed area, **LNR** - Local Nature Reserve, **MNR** - Marine Nature Reserve, **NNR** - National Nature Reserve, **NRW** - Natural Resources Wales Priority Species, **NWWT** - North Wales Wildlife Trust Reserve, **PBA** - Protection of Badgers Act 1992, **RD1(UK)** - Red Data Book listing for the UK based on IUCN guidelines, **RD1(Wales)** - Red Data Book listing for Wales based on IUCN guidelines, **RD2(UK)** - Red Data Book listing for the UK not based on IUCN guidelines, **RIGS** - Regionally Important Geodiversity Site, **S42** - Natural Environment and Rural Communities Act 2006 (Section 42), **SAC** - Special Area of Conservation, **SNP** - Snowdonia National Park Local Biodiversity Action Plan, **SPA** - Special Protection Area, **SSSI** - Site of Special Scientific Interest, **UKBA** - RSPB UK Birds Amber List (not based on IUCN criteria), **UKBR** - RSPB UK Birds Red List (not based on IUCN criteria), **VC48** - Locally Important within Vice-County 48: Meirionethshire, **VC49** - Locally Important within Vice-County 49: Caernarfonshire, **VC50** - Locally Important within Vice-County 50: Denbighshire, **VC51** - Locally Important within Vice-County 51: Flintshire, **VC52** - Locally Important within Vice-County 52: Anglesey, **WBA** - RSPB Welsh Birds Amber List (not based on IUCN criteria), **WBR** - RSPB Welsh Birds Red List (not based on IUCN criteria), **WCA1.1** - Wildlife & Countryside Act 1981 Schedule 1.1 (Birds which are protected at all times), **WCA1.2** - Wildlife & Countryside Act 1981 Schedule 1.2 (Birds which are protected at certain times), **WCA5** - Wildlife & Countryside Act 1981 Schedule 5 (Animals which are protected from killing and taking, possession, disturbance and sale), **WCA8** - Wildlife & Countryside Act 1981 Schedule 8 (Plants which are protected), **WCA9** - Wildlife & Countryside Act 1981 Schedule 9 (Non-native animals and plants which are established in the wild), **WRE** - Wrexham County Council Local Biodiversity Action Plan, **WS** - Wildlife Site, **WVP** - IUCN Threat Listing of Welsh Vascular Plants

Contact Us

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Search Location	Grid Reference
Lloyds Animal Feeds	SJ38334966

Bees, Wasps, Ants and Sawflies										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Andrena (Poecilandrena) labiata</i> (Red-girdled Mining Bee)	SJ34	2 records, both in 1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1070/002/01	RD2(UK)NA	3
<i>Andrena (Poecilandrena) labiata</i> (Red-girdled Mining Bee)	SJ34	4 records, between 1991 and 14/05/1993	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D1070/002/01 , D1650/001/02	RD2(UK)NA	3

- PUBLIC VERSION -

Birds										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Accipiter gentilis</i> (Goshawk / Gwalch Marthin)	SJ35 (Selected from Interactive Map)	16/02/2015	Recorder Name Withheld	2 Full-Grown		Site Name Withheld	Comments Withheld	D1117/001/01	CITES, WCA1.1, WCA9, LBAP[CON]	4
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3749	22/04/2016	Recorder Name Withheld	2		Wrexham, Pentre Maelor	Comments Withheld	D0062/006/01	WBA	3
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3750	2 records, between 03/05/2009 and 31/12/2016	Recorder Name Withheld	c10; 2		Wrexham Industrial Estate, NW	Comments Withheld	D1297/021/01 , D0062/001/01	WBA	1
<i>Aix galericulata</i> (Mandarin Duck / Hwyaden Gribog)	SJ3949	24/06/2016	Recorder Name Withheld	1		Wrexham, Industrial Estate, E	Comments Withheld	D0062/006/01	INNS, WCA9	3
<i>Alauda arvensis</i> (Skylark / Ehedydd)	SJ379490 (Selected from Interactive Map)	29/06/2012	Recorder Name Withheld	2 Adult		Firestones, wrexham industrial estate	At least 1 pair	D1117/001/01	BDir2.2, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Alauda arvensis</i> (Skylark / Ehedydd)	SJ3749	24/05/2004	Recorder Name Withheld	1+		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01	BDir2.2, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Alauda arvensis</i> (Skylark / Ehedydd)	SJ3848	2 records, between 10/04/2009 and 24/04/2011	Recorder Name Withheld	2; 1		Parkey	Comments Withheld	D0062/001/01 , D0062/003/01	BDir2.2, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Alauda arvensis</i> (Skylark / Ehedydd)	SJ3748	05/04/2007	Recorder Name Withheld	4		Wrexham, Pentre Maelor, S	Comments Withheld	D0062/001/01	BDir2.2, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Anas platyrhynchos</i> (Mallard / Hwyaden Wyllt)	SJ3749	14/06/2013	Recorder Name Withheld	3		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ381497 (GPS Reading)	23/07/2016	Recorder Name Withheld	1 Adult	Live Sighting	WIE 1. The Oaks LWS & River Clywedog		D1695/001/01	UKBA, WBA	1
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ378499 (Approximate)	23/07/2016	Recorder Name Withheld	10		WIE 3a. Grassland adjacent to Erilas Black Wood	In afternoon	D1695/001/01	UKBA, WBA	1
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3749	2 records, between 28/06/2012 and 14/06/2013	Recorder Name Withheld	3; 2		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01	UKBA, WBA	3
<i>Branta canadensis</i> (Canada Goose / Gwydd Canada)	SJ3850	15/06/2008	Recorder Name Withheld	2		Wrexham, Industrial Estate		D1297/002/01	BDir2.1, INNS, WCA9	1
<i>Branta canadensis</i> (Canada Goose / Gwydd Canada)	SJ3749	2 records, between 15/05/2014 and 22/04/2016	Recorder Name Withheld	7; 2		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01 , D0062/006/01	BDir2.1, INNS, WCA9	3
<i>Cettia cetti</i> (Cetti's Warbler / Telor Cetti)	SJ34 (Selected from Interactive Map)	21/05/2017	Recorder Name Withheld	1 Adult Male		Site Name Withheld	Comments Withheld	D1117/001/01	WCA1.1, LBAP[ANG]	1
<i>Charadrius dubius</i> (Little Ringed Plover / Cwtiad Torchog Bach)	SJ35 (Selected from Interactive Map)	06/04/2016	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1748/001/01	Bern, WCA1.1, LBAP[CON]	1
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ3750	2 records, between 29/01/2009 and 31/12/2016	Recorder Name Withheld	1; 5		Wrexham Industrial Estate, NW	Comments Withheld	D1297/021/01 , D0062/001/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Cuculus canorus</i> (Cuckoo / Cog)	SJ382489 (Approximate)	14/05/2007	Recorder Name Withheld	1		Calypso WIE	Heard	D1470/001/01	S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Cuculus canorus</i> (Cuckoo / Cog)	SJ383487 (Approximate)	31/05/2013	Recorder Name Withheld	1 Adult		Firestones	Bird heard in that approximate location from the firestones site	D1117/001/01	S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Cuculus canorus</i> (Cuckoo / Cog)	SJ3749	2 records, between 06/05/2013 and 14/06/2013	Recorder Name Withheld	1		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01	S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Cygnus olor</i> (Mute Swan / Alarch Dof)	SJ3850	15/03/2006	Recorder Name Withheld	2		Wrexham, Industrial Estate	Comments Withheld	D0062/001/01	BDir2.2, UKBA, WBA, LBAP[CON]	3
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ38475017 (Selected from Interactive Map)	24/07/2016	Recorder Name Withheld	5 Adult		Wrexham Industrial Estate		D1695/001/01	Bern, UKBA, WBA, LBAP[CON]	1
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ3748	03/05/2009	Recorder Name Withheld	3		Wrexham, Pentre Maelor, S	Comments Withheld	D0062/001/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ3749	2 records, between 03/05/2007 and 2009	Recorder Name Withheld	1		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D1779/001/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	3
<i>Falco peregrinus</i> (Peregrine / Hebog Tramor)	SJ35 (Selected from Interactive Map)	01/06/2016	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1748/001/01	BDir1, Bern, CITES, WCA1.1, LBAP[ANG, CON, GWY]	4
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ382498 (Selected from Interactive Map)	23/07/2016	Recorder Name Withheld	1		Wrexham Industrial Estate		D1695/001/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ38544978 (Selected from Interactive Map)	28/02/2015	Recorder Name Withheld	1 Full-Grown		Marlborough Road, Wrexham Industrial Estate	Hunting over this area of rough grassland throughout the day	D1117/001/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ37954954 (Selected from Interactive Map)	24/05/2016	Recorder Name Withheld	1 Sub-adult	Live Sighting	Wrexham Ind Est	Suitable breeding habitat	D1117/001/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3849	2 records, between 16/04/2008 and 17/03/2009	Recorder Name Withheld	1		Wrexham, Industrial Estate, W		D1297/002/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3850 (Selected from Interactive Map)	3 records, between 15/06/2008 and 05/06/2014	Recorder Name Withheld	1 Chick; 1	Live Sighting	Wrexham Industrial Estate	Nest found with adult female in attendance with 1 chick; Comments Withheld	D1117/001/01 , D1297/002/01 , D0062/001/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3749	3 records, between 28/06/2012 and 30/06/2014	Recorder Name Withheld	1; 2		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3949	16/04/2008	Recorder Name Withheld	2		Wrexham, Industrial Estate, E		D1297/002/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3950	03/01/2008	Recorder Name Withheld	1		Isycoed, W	Comments Withheld	D0062/001/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Gallinago gallinago</i> (Snipe / Giach Cyffredin)	SJ3749	20/02/2005	Recorder Name Withheld	10		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01	BDir2.1, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Gallinago gallinago</i> (Snipe / Giach Cyffredin)	SJ3848	10/04/2009	Recorder Name Withheld	1		Parkey	Comments Withheld	D0062/001/01	BDir2.1, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ381497 (GPS Reading)	23/07/2016	Recorder Name Withheld	1 Adult	Live Sighting	WIE 1. The Oaks LWS & River Clywedog		D1695/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	1
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3849	6 records, between 03/10/2007 and 16/09/2010	Recorder Name Withheld	2; 3 Adult; 3 Juvenile; 2 Adult; 6		Wrexham, Industrial Estate, W	Comments Withheld	D0062/001/01 , D0062/003/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3850	15/06/2008	Recorder Name Withheld	2		Wrexham, Industrial Estate		D1297/002/01	Bern, WBA, LBAP[ANG, CON, GWY]	1
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3749	7 records, between 13/04/2007 and 30/06/2014	Recorder Name Withheld	3; 8; 1		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D1779/001/01 , D0062/005/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3750	03/05/2009	Recorder Name Withheld	8		Wrexham, Erlas Hall	Comments Withheld	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3748	03/05/2009	Recorder Name Withheld	3		Wrexham, Pentre Maelor, S	Comments Withheld	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3749	8 records, between 11/05/2012 and 15/06/2016	Recorder Name Withheld	4; 2; 1; 7; 3; 5		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01 , D0062/006/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	3
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3750	31/12/2016	Recorder Name Withheld	5+		Wrexham Industrial Estate, NW		D1297/021/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	1
<i>Larus canus</i> (Common Gull / Gwylan y Gweunydd)	SJ3750	29/01/2009	Recorder Name Withheld	5		Wrexham, Erlas Hall	Comments Withheld	D0062/001/01	BDir2.2, UKBA, WBR	3
<i>Larus fuscus</i> (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3749	3 records, between 30/06/2014 and 15/06/2016	Recorder Name Withheld	33; 2		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01 , D0062/006/01	BDir2.2, UKBA, WBA, LBAP[CON, GWY, SNP]	3
<i>Linaria cannabina</i> (Linnet / Llinos)	SJ3749	5 records, between 06/01/2004 and 14/06/2013	Recorder Name Withheld	40+; 1; 2; 6		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D0062/005/01	Bern, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Linaria cannabina</i> (Linnet / Llinos)	SJ3848	2 records, between 24/04/2011 and 19/06/2011	Recorder Name Withheld	4		Parkey	Comments Withheld	D0062/003/01	Bern, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Locustella naevia</i> (Grasshopper Warbler / Troellwr Bach)	SJ387501 (Selected from Interactive Map)	26/04/2011	Recorder Name Withheld	1 Adult	Auditory record	Bryn Lane Recycling Centre		D1117/001/01	S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Locustella naevia</i> (Grasshopper Warbler / Troellwr Bach)	SJ3749	03/05/2007	Recorder Name Withheld	1+		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01	S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Locustella naevia</i> (Grasshopper Warbler / Troellwr Bach)	SJ3848	24/04/2011	Recorder Name Withheld	4		Parkey	Comments Withheld	D0062/003/01	S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SJ3749	28/05/2006	Recorder Name Withheld	1+		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SJ3850	15/06/2008	Recorder Name Withheld	1		Wrexham, Industrial Estate		D1297/002/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3749	9 records, between 09/01/2004 and 15/06/2016	Recorder Name Withheld	2; 6; 12; 8; 10; 3; 5		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D0062/005/01 , D0062/006/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3750	2 records, between 29/01/2009 and 03/05/2009	Recorder Name Withheld	5; 3		Wrexham, Erilas Hall	Comments Withheld	D0062/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ3749	2009	Recorder Name Withheld					D1775/001/01	Bern, WBA, LBAP[CON]	3
<i>Phylloscopus trochilus</i> (Willow Warbler / Telor yr Helyg)	SJ3749	9 records, between 01/05/2005 and 22/04/2016	Recorder Name Withheld	1; 2+; 2		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D1779/001/01 , D0062/005/01 , D0062/006/01	UKBA, WBR, LBAP[CON]	3
<i>Phylloscopus trochilus</i> (Willow Warbler / Telor yr Helyg)	SJ3848	3 records, between 10/04/2009 and 24/04/2011	Recorder Name Withheld	4; 1; 3		Parkey	Comments Withheld	D0062/001/01 , D0062/003/01	UKBA, WBR, LBAP[CON]	3
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ38114986 (Selected from Interactive Map)	15/04/2016	Recorder Name Withheld	1 Sub-adult	Live Sighting	Wrexham Ind Est	Suitable breeding habitat	D1117/001/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	1
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ377499 (Supplied by Original Recorder)	24/07/2016	Recorder Name Withheld	1		WIE 3. Erilas Black Wood Local Wildlife Site	On way back, heard and seen.	D1695/001/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	1
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ37745009 (Selected from Interactive Map)	30/04/2015	Recorder Name Withheld	1 Sub-adult		Wrexham Industrial Estate		D1117/001/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	1
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ38415039 (Selected from Interactive Map)	20/08/2016	Recorder Name Withheld	1 Juvenile		Hoya, Wrexham Industrial Estate		D1117/001/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	1
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ3749	2 records, between 24/02/2007 and 22/04/2016	Recorder Name Withheld	1		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D0062/006/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ3848	2 records, between 24/04/2011 and 19/06/2011	Recorder Name Withheld	2; 1		Parkey	Comments Withheld	D0062/003/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3749	7 records, between 2009 and 15/06/2016	Recorder Name Withheld	2; 1; 4; 5; 3			Comments Withheld	D1775/001/01 , D0062/005/01 , D0062/006/01	BAP, Bern, S7, UKBA, LBAP[CON]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3850	15/06/2008	Recorder Name Withheld	1		Wrexham, Industrial Estate		D1297/002/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3750	03/05/2009	Recorder Name Withheld	1		Wrexham, Erilas Hall	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3748	03/05/2009	Recorder Name Withheld	1		Wrexham, Pentre Maelor, S	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	3
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ386493 (Approximate)	23/07/2016	Recorder Name Withheld		Auditory record	WIE 1. The Oaks LWS & River Clywedog		D1695/001/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ38525055 (Selected from Interactive Map)	26/10/2017	Recorder Name Withheld	1 Adult Male	Live Sighting	Wrexham Industrial Estate		D1696/001/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	1
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ389489 (Selected from Interactive Map)	23/07/2016	Recorder Name Withheld	1 Adult Male		WIE 1. The Oaks LWS & River Clywedog		D1695/001/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	1
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ3749	5 records, between 03/05/2004 and 15/05/2014	Recorder Name Withheld	1 Female; 1 Male; 2		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D1775/001/01 , D1779/001/01 , D0062/005/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ3750	03/05/2009	Recorder Name Withheld	1		Wrexham, Erilas Hall	Comments Withheld	D0062/001/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ38525055 (Selected from Interactive Map)	26/10/2017	Recorder Name Withheld	1	Live Sighting	Wrexham Industrial Estate		D1696/001/01	Bern, WBA, LBAP[CON]	1
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ3749	2009	Recorder Name Withheld					D1779/001/01	Bern, WBA, LBAP[CON]	3
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ3750	31/12/2016	Recorder Name Withheld	1		Wrexham Industrial Estate, NW		D1297/021/01	Bern, WBA, LBAP[CON]	1
<i>Scolopax rusticola</i> (Woodcock / Cyffyllog)	SJ38535048	13/02/2018	Recorder Name Withheld	1	Live Sighting	Elm Point		D1696/001/01	BDir2.1, UKBR, WBA, LBAP[CON, DEN, FLI, GWY]	1
<i>Scolopax rusticola</i> (Woodcock / Cyffyllog)	SJ37745032 (Selected from Interactive Map)	4 records, between 16/11/2015 and 27/11/2015	Recorder Name Withheld	1 Adult		Hauck, Wrexham Industrial Estate		D1117/001/01	BDir2.1, UKBR, WBA, LBAP[CON, DEN, FLI, GWY]	1
<i>Scolopax rusticola</i> (Woodcock / Cyffyllog)	SJ37735032 (Approximate)	20/03/2018	Recorder Name Withheld	1	Live Sighting	Ash Road South, Wrexham Industrial Estate		D1696/001/01	BDir2.1, UKBR, WBA, LBAP[CON, DEN, FLI, GWY]	1
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3849	01/03/2007	Recorder Name Withheld	50+		Wrexham, Industrial Estate, W	Comments Withheld	D0062/001/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	3
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3749	5 records, between 11/05/2012 and 22/04/2016	Recorder Name Withheld	3; 5; 1; 4		Wrexham, Pentre Maelor	Comments Withheld	D0062/005/01 , D0062/006/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	3
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3750	03/05/2009	Recorder Name Withheld	9		Wrexham, Erilas Hall	Comments Withheld	D0062/001/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	3
<i>Sylvia communis</i> (Whitethroat / Llwydfron)	SJ382489 (Approximate)	14/05/2007	Recorder Name Withheld	1		Calypso WIE		D1470/001/01	WBA, LBAP[CON]	4
<i>Sylvia communis</i> (Whitethroat / Llwydfron)	SJ3749	12 records, between 03/05/2004 and 15/06/2016	Recorder Name Withheld	5; 1; 3; 8; 9; 2		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D1779/001/01 , D0062/005/01 , D0062/006/01	WBA, LBAP[CON]	3
<i>Sylvia communis</i> (Whitethroat / Llwydfron)	SJ3848	07/05/2009	Recorder Name Withheld	10+		Parkey	Comments Withheld	D0062/001/01	WBA, LBAP[CON]	3
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ3749	2 records, between 2009 and 29/12/2016	Recorder Name Withheld					D1775/001/01 , D1297/021/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ3750	2 records, between 29/12/2016 and 31/12/2016	Recorder Name Withheld	20+		Wrexham, Erilas Hall		D1297/021/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ378499 (Approximate)	23/07/2016	Recorder Name Withheld	1	Live Sighting	WIE 3a. Grassland adjacent to Erlas Black Wood	In afternoon	D1695/001/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ377499 (Supplied by Original Recorder)	24/07/2016	Recorder Name Withheld	3 Egg; 1 Adult; Nest		WIE 3. Erlas Black Wood Local Wildlife Site		D1695/001/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3749	6 records, between 07/05/2007 and 15/06/2016	Recorder Name Withheld	2; 1; 4		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01 , D0062/005/01 , D0062/006/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3848	2 records, between 07/05/2009 and 26/04/2011	Recorder Name Withheld	4; 1		Parkey	Comments Withheld	D0062/001/01 , D0062/003/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3750	03/05/2009	Recorder Name Withheld	1		Wrexham, Erlas Hall	Comments Withheld	D0062/001/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3748	2 records, between 10/04/2008 and 03/05/2009	Recorder Name Withheld	1; 2		Wrexham, Pentre Maelor, S	Comments Withheld	D0062/001/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ3749	2 records, between 2009 and 29/12/2016	Recorder Name Withheld			Wrexham Industrial estate		D1297/021/01 , D1775/001/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	1
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ3750	2 records, between 25/03/2015 and 31/12/2016	Recorder Name Withheld	3; 2		Wrexham Industrial Estate, NW	BTO Breeding Status: X	D1297/021/01 , D1297/020/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	1
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ3950	30/10/2010	Recorder Name Withheld	50		Isycoed, W	Comments Withheld	D0062/003/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ35	2 records, between 15/03/2006 and 20/03/2007	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1297/002/01 , D0062/001/01	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
<i>Vanellus vanellus</i> (Lapwing / Cornchwiglen)	SJ3749	25/03/2004	Recorder Name Withheld	2		Wrexham, Pentre Maelor	Comments Withheld	D0062/001/01	BDir2.2, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Vanellus vanellus</i> (Lapwing / Cornchwiglen)	SJ3750	03/05/2009	Recorder Name Withheld	1		Wrexham, Erlas Hall	Comments Withheld	D0062/001/01	BDir2.2, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Butterflies and Moths										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Chiasmia clathrata</i> (Latticed Heath / Seffyr Delltog)	SJ386492	22/06/2007	Recorder Name Withheld	2 Adult		Wrexham Ind. estate	Grassland: neutral. Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Chiasmia clathrata</i> (Latticed Heath / Seffyr Delltog)	SJ378491	19/06/2010	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Chiasmia clathrata</i> (Latticed Heath / Seffyr Delltog)	SJ382489 (Approximate)	22/06/2007	Recorder Name Withheld	1 Adult		Calypso-WIE	Sect.9	D1470/001/01	S7, LBAP[GWY]	4
<i>Chiasmia clathrata</i> (Latticed Heath / Seffyr Delltog)	SJ381488	02/06/2004	Recorder Name Withheld	2 Adult		Spectrum Ind Estate - nr Calypso	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Chiasmia clathrata</i> (Latticed Heath / Seffyr Delltog)	SJ376502	25/05/2004	Recorder Name Withheld	1 Adult		Wrexham Ind Estate - Ash Road South	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ38244990 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	12	Live Sighting	Ash Road South Mitigation Area		D1696/001/01	RD1(UK)NT, S7, LBAP[GWY]	4
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ385493 (Estimated Centroid of Site))	5 records, between 01/06/1998 and 18/05/2010	Recorder Name Withheld	2; 2 Adult; 7 Adult; 3		Wrexham Industrial Estate	Breeding: No. Mature: Yes. Record type: Field record / observation; JVS's Map Ref SJ 384493 : also recorded PBF - not accepted yet. Field record / observation; Daytime observation	D0127/001/02 , D1373/001/03 , D1399/001/02	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	18/06/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ386492	1991 - 1998	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ38824998 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	8	Live Sighting	Wrexham recycling Park		D1696/001/01	RD1(UK)NT, S7, LBAP[GWY]	4
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ388493	19/05/2004	Recorder Name Withheld	4		Wrexham Ind Estate - S of Bryn Lane	Field record / observation	D1373/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ380502	2 records, between 22/05/2004 and 25/05/2004	Recorder Name Withheld	2		Wrexham Ind Estate - Norish FP Ltd	Field record / observation	D1373/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ382489 (Approximate)	29 records, between 02/05/2007 and 23/05/2010	Recorder Name Withheld	1; 2; 3; 5; 8		Calypso WIE	Section 3; Section 5; Section 6; Section 8; Section 7; Section 1; Section 2; Section 4; Section 9	D1470/001/01 , D1470/002/01	RD1(UK)NT, S7, LBAP[GWY]	4
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ381488	5 records, between 25/05/2004 and 07/08/2005	Recorder Name Withheld	1 Adult; 12; 8		Spectrum Ind Estate - nr Calypso	Daytime observation; Field record / observation	D1373/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	18/06/2014	Recorder Name Withheld	3		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ376502	25/05/2004	Recorder Name Withheld	2		Wrexham Ind Estate - Ash Road South	Field record / observation	D1373/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ37384977 (Selected from Interactive Map)	2 records, between 23/05/2016 and 24/05/2016	Recorder Name Withheld	2 Adult; 3 Adult	Live Sighting	Guy Tyrell		D1117/001/01	RD1(UK)NT, S7, LBAP[GWY]	4
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	18/06/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ	3 records, between 31/05/2013 and 07/06/2013	Recorder Name Withheld	83; 1; 25		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SJ3748	25/08/2010	Recorder Name Withheld	5 Adult		Wrexham Industrial Estate	Daytime observation. Habitat: Brownfield, calcareous newly-seeded herb-rich grassland and old	D1373/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Ecliptopera silaceata</i> (Small Phoenix / Ffenics Bach)	SJ385495	1972 - 1973	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Ecliptopera silaceata</i> (Small Phoenix / Ffenics Bach)	SJ386492	1972	Recorder Name Withheld	1 Adult		Wrexham Ind Estate (Oaks Site)	Scrub: scattered. Method: Unknown	D1285/001/02	S7, LBAP[GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Ecliptopera silaceata</i> (Small Phoenix / Ffenics Bach)	SJ386501	07/05/2009	Recorder Name Withheld	1 Adult		Wrexham Recycling Centre	Built-up areas: industrial. Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ383496 (Selected from Interactive Map)	21/05/2017	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate	Seen by Wrexham NWWT group on organised walk by Jonny	D1117/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ38154983 (Selected from Interactive Map)	2 records, between 23/05/2016 and 24/05/2016	Recorder Name Withheld	1 Adult	Live Sighting	Red Wither Business Park		D1117/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ38244990 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	7	Live Sighting	Ash Road South Mitigation Area		D1696/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ385493	10 records, between 29/05/2001 and 30/05/2010	Recorder Name Withheld	2; 15 Adult; 20 Adult; 2 Adult; 10 Adult; 7 Adult; 4 Adult		Wrexham Industrial Estate	JVS's Map Ref SJ 384493 : also recorded PBF - not accepted yet. Field record / observation; Daytime observation	D1373/001/03	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ387492	2 records, between 21/05/2006 and 21/05/2014	Recorder Name Withheld	1 Adult; 1		Wxm Ind Estate, Oak Road	Daytime observation	D1373/001/03 , D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ388493	19/05/2004	Recorder Name Withheld	4		Wrexham Ind Estate - S of Bryn Lane	Field record / observation	D1373/001/03	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	07/06/2013	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ380502	2 records, between 22/05/2004 and 25/05/2004	Recorder Name Withheld	4		Wrexham Ind Estate - Norish FP Ltd	Field record / observation	D1373/001/03	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ38645025 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	1	Live Sighting	Elm Point Mitigation Area		D1696/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	21/05/2014	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ382489 (Approximate)	35 records, between 02/05/2007 and 13/05/2012	Recorder Name Withheld	2; 1; 4; 1 Adult; 4 Adult; 5; 6; 3; 9		Calypso WIE	Section 4; Section 5; Near pond; Section 3; Section 6; Section 7; Section 8; Section 9; Section 1; Section 2	D1470/001/01 , D1470/002/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ388491	30/04/2007	Recorder Name Withheld	1		Off Oak Road Wrexham industrial Estate		D1117/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ38895016 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	6	Live Sighting	Wrexham Recycling Park Mitigation Area		D1696/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	7 records, between 25/05/2004 and 07/06/2013	Recorder Name Withheld	2; 15; 19; 19 Adult; 1 Adult; 40 Adult; 7 Adult		Site Name Withheld	Comments Withheld	D1643/001/01 , D1373/001/03	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ37384977 (Selected from Interactive Map)	2 records, between 23/05/2016 and 24/05/2016	Recorder Name Withheld	4 Adult; 3 Adult	Live Sighting	Guy Tyrell		D1117/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	07/06/2013	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ3804648707 (Selected from Interactive Map)	31/05/2013	Recorder Name Withheld	1		Firestones		D1117/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	05/06/2013	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	31/05/2013	Recorder Name Withheld	6		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ3849	2 records, between 12/05/2000 and 15/05/2000	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ3848 (Estimated Centroid of Site))	2 records, between 1995 and 12/05/2005	Recorder Name Withheld	2; 2 Adult		SJ3848	Breeding: No. Mature: Yes. Record type: Field record / observation; Wrexham Ind Estate. Daytime observation	D0127/001/02 , D1373/001/03	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Erynnis tages</i> (Dingy Skipper / Gwibiwr Llwyd)	SJ3748	12/05/2005	Recorder Name Withheld	5 Adult		SJ3748	Wrexham Ind Estate. Daytime observation	D1373/001/03	RD1(UK)VU, S7, LBAP[CON, FLI, GWY]	3
<i>Hemistola chrysoprasaria</i> (Small Emerald / Emrallt Barf yr Hen Wr)	SJ385495	1972 - 1973	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Hemistola chrysoprasaria</i> (Small Emerald / Emrallt Barf yr Hen Wr)	SJ386492	1973	Recorder Name Withheld	1 Adult		Wrexham Ind. estate	Grassland: neutral. Method: MV Light Trap	D1285/001/02	S7, LBAP[GWY]	3
<i>Lasiommata megera</i> (Wall / Gweirlöyn y Cloddiau)	SJ386492	1991 - 1998	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Lasiommata megera</i> (Wall / Gweirlöyn y Cloddiau)	SJ381488	2 records, between 02/06/2004 and 13/05/2005	Recorder Name Withheld	1; 1 Adult		Spectrum Ind Estate - nr Calypso	Field record / observation; Daytime observation	D1373/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Lasiommata megera</i> (Wall / Gweirlöyn y Cloddiau)	SJ3848 (Estimated (Centroid of Site))	1995	Recorder Name Withheld	2		SJ3848	Breeding: No. Mature: Yes. Record type: Field record / observation	D0127/001/02	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ383496 (Selected from Interactive Map)	21/05/2017	Recorder Name Withheld	3 Adult		Wrexham Industrial Estate	Seen by Wrexham NWWT group on organised walk by Jonny	D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	21/05/2014	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ38154983 (Selected from Interactive Map)	23/05/2016	Recorder Name Withheld	2 Adult	Live Sighting	Red Wither Business Park		D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ38244990 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	4	Live Sighting	Ash Road South Mitigation Area		D1696/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ38604969 (Selected from Interactive Map)	04/06/2015	Recorder Name Withheld	1 Adult		Abbey Road		D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	21/05/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ385493 (Estimated (Centroid of Site))	10 records, between May 1993 and 30/05/2010	Recorder Name Withheld	2 Adult; 2; 4 Adult; 5 Adult; 6 Adult; 8 Adult; 1 Adult		Wrexham Industrial Estate	Breeding: No. Mature: Yes. Record type: Daytime observation; Breeding: No. Mature: Yes. Record type: Field record / observation; Daytime observation	D0127/001/02 , D1373/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ34	1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1161/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3864649406	17/05/2011	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Redwither	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3852849251	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Redwither	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3862549254	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Redwither	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3880949454	24/05/2012	Recorder Name Withheld	3 Adult		Wrexham Industrial Estate: Bryn Cottages	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ386492	2 records, between 13/05/1993 and 01/06/1998	Recorder Name Withheld	8 Adult; 2 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	29/04/2014	Recorder Name Withheld	3		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	05/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ388493	19/05/2004	Recorder Name Withheld	3		Wrexham Ind Estate - S of Bryn Lane	Field record / observation	D1373/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	2 records, between 07/06/2013 and 01/06/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ380502	2 records, between 22/05/2004 and 25/05/2004	Recorder Name Withheld	1; 2		Wrexham Ind Estate - Norish FP Ltd	Field record / observation	D1373/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ37914913 (Selected from Interactive Map)	31/05/2013	Recorder Name Withheld	1		Firestones		D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3809748998	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3883650174	24/05/2012	Recorder Name Withheld	3 Adult		Wrexham Industrial Estate: Recycling Centre	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ382489 (Approximate)	43 records, between 28/04/2007 and 13/05/2012	Recorder Name Withheld	1; 2; 4; 3 Adult; 4 Adult; 5; 3		Calypso WIE	Section 3; Section 8; Section 2; Near pond; Section 7; Section 4; Section 5; Section 6; Section 9; Section 1	D1470/001/01 , D1470/002/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3810248954	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ38895016 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	5	Live Sighting	Wrexham Recycling Park Mitigation Area		D1696/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ38875020 (Selected from Interactive Map)	07/05/2009	Recorder Name Withheld	1 Adult Male	Live Sighting	Bryn Lane Recycling Centre	Observed with Bryan Formstone, Lep. recorder	D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	31/05/2013	Recorder Name Withheld	4		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3813548909	24/05/2012	Recorder Name Withheld	2 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3806348926	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ38455046 (Selected from Interactive Map)	23/05/2018	Recorder Name Withheld	5	Live Sighting	Elm Point Mitigation Area		D1696/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3811448874 (GPS Reading)	13/06/2018	Recorder Name Withheld	1 Adult Female		HMP Berwyn Mitigation Site		D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3805048892	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3808848877	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ381488	5 records, between 25/05/2004 and 21/05/2006	Recorder Name Withheld	3; 6; 40 Adult; 6 Adult; 12 Adult		Spectrum Ind Estate - nr Calypso	Field record / observation; Daytime observation	D1373/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3808048829	24/05/2012	Recorder Name Withheld	4 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3746449796	24/05/2012	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Coed Aben Road	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3809648816	24/05/2012	Recorder Name Withheld	2 Adult		Wrexham Industrial Estate: Spectrum	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	24/05/2012	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ37734898 (Selected from Interactive Map)	31/05/2013	Recorder Name Withheld	1		Firestones		D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3740349733	24/05/2012	Recorder Name Withheld	10 Adult		Wrexham Industrial Estate: Clywedog Road North	Timed Count	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3739149779	11/05/2011	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate: Clywedog Road North	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ37384977 (Selected from Interactive Map)	23/05/2016	Recorder Name Withheld	1 Adult	Live Sighting	Guy Tyrell		D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3737249791	11/05/2011	Recorder Name Withheld	2 Adult		Wrexham Industrial Estate: Clywedog Road North	Species survey	D1466/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	21/05/2014	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ38044871 (Selected from Interactive Map)	31/05/2013	Recorder Name Withheld	1		Firestones		D1117/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	4
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ	07/06/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3849	2 records, between 12/05/2000 and 15/05/2000	Recorder Name Withheld	11 Adult; 3 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3848	12/05/2005	Recorder Name Withheld	1 Adult		SJ3848	Wrexham Ind Estate. Daytime observation	D1373/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Pyrgus malvae</i> (Grizzled Skipper / Gwibiwr Brith)	SJ3748	12/05/2005	Recorder Name Withheld	3 Adult		SJ3748	Wrexham Ind Estate. Daytime observation	D1373/001/03	RD1(UK)VU, S7, LBAP[DEN, FLI]	3
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ379491	07/08/2009	Recorder Name Withheld	10		Wrexham Industrial Estate	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ378491	06/07/2009	Recorder Name Withheld	10		Wrexham Industrial Estate	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ381488	07/08/2005	Recorder Name Withheld	10 Adult		Spectrum Ind Estate - nr Calypso	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ376489	24/07/2004	Recorder Name Withheld	2 Adult		Pentre Maelor	Scrub. Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ3749	2 records, between 07/09/2009 and 09/07/2010	Recorder Name Withheld	2 Adult; Present - 0		Wrexham Industrial Estate	Method: Netted; Method: Unknown	D1285/001/02	S7, LBAP[GWY]	3
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ3748	25/08/2010	Recorder Name Withheld	10 Adult		Wrexham Industrial Estate	Common. Brownfield, calcareous newly-seeded herb-rich grassland and old. Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Tyria jacobaeae</i> (Cinnabar / Teigr y Benfelen)	SJ378499 (Approximate)	23/07/2016	Recorder Name Withheld	1 Caterpillar		WIE 3a. Grassland adjacent to Erilas Black Wood		D1695/001/01	S7, LBAP[GWY]	4
<i>Tyria jacobaeae</i> (Cinnabar / Teigr y Benfelen)	SJ379491	07/08/2009	Recorder Name Withheld	10 Larval		Wrexham Industrial Estate	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Tyria jacobaeae</i> (Cinnabar / Teigr y Benfelen)	SJ378491	19/06/2010	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate	Method: Netted	D1285/001/02	S7, LBAP[GWY]	3
<i>Tyria jacobaeae</i> (Cinnabar / Teigr y Benfelen)	SJ382489 (Approximate)	3 records, all on 14/06/2009	Recorder Name Withheld	1; 2		Calypso-WIE	Section 1; Section 2; Section 8	D1470/001/01	S7, LBAP[GWY]	4
<i>Tyria jacobaeae</i> (Cinnabar / Teigr y Benfelen)	SJ381489	12/06/2010	Recorder Name Withheld	1 Adult		Wrexham Industrial Estate	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Tyria jacobaeae</i> (Cinnabar / Teigr y Benfelen)	SJ381488	2 records, between 25/05/2004 and 02/06/2004	Recorder Name Withheld	2 Adult		Spectrum Ind Estate - nr Calypso	Method: Daytime observation	D1285/001/02	S7, LBAP[GWY]	3
<i>Watsonalla binaria</i> (Oak Hook-tip / Bachadain y Deri)	SJ385495	1972 - 1973	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Watsonalla binaria</i> (Oak Hook-tip / Bachadain y Deri)	SJ386492	1972	Recorder Name Withheld	1 Adult		Wrexham Ind. estate	Grassland: neutral. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	4

Mammals										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ3780449567	31/05/2017	Recorder Name Withheld	1 Adult	Dead on road	Wrexham Industrial Estate		D1383/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	1
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ375489 (Selected from Interactive Map)	28/06/2012	Recorder Name Withheld	1 Adult	Dead on road	Pentre Maelor		D1383/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	4
<i>Lutra lutra</i> (Otter / Dyfrgi)	SJ3849 (Selected from Interactive Map)	3 records, between 26/09/2016 and 13/02/2018	Recorder Name Withheld	1 Sub-adult; 1 Adult; 1 Sub-adult Female; 1 Sub-adult Male		Site Name Withheld	Comments Withheld	D1117/001/01	Bern, CITES, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Lutra lutra</i> (Otter / Dyfrgi)	SJ3849 (Selected from Interactive Map)	3 records, between 16/08/2017 and 30/08/2017	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D1117/001/01	Bern, CITES, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3750 (Selected from Interactive Map)	22/07/2016	Recorder Name Withheld	1 Adult	Live Sighting	Site Name Withheld	Comments Withheld	D1695/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	4
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3849	3 records, between 02/01/2003 and 13/11/2007	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3749	19/08/2003	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3850 (Approximate)	26/04/2018	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1696/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	4
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3848	02/01/2003	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3748	02/01/2003	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3948	08/03/2007	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Mustela erminea</i> (Stoat / Carlwm)	SJ39045017 (Selected from Interactive Map)	01/06/2016	Recorder Name Withheld	1		Bryn Lane, Wrexham Industrial Estate		D1748/001/01	Bern, NRW, LBAP[ANG, CON, FLI]	1
<i>Myotis</i> (Myotis Bat Species)	SJ3849 (Selected from Interactive Map)	23/07/2016	Recorder Name Withheld	1 Sub-adult	Auditory record	Site Name Withheld	Comments Withheld	D1695/001/01	Bern, Bonn, EPS, HDir, WCA5, LBAP[ANG, DEN, FLI, SNP]	1
<i>Myotis</i> (Myotis Bat Species)	SJ3850 (GPS Reading)	26/10/2016	Recorder Name Withheld		Dung/Droppings/ Frass/Pellet, etc.	Site Name Withheld	Comments Withheld	D1696/001/01	Bern, Bonn, EPS, HDir, WCA5, LBAP[ANG, DEN, FLI, SNP]	1
<i>Myotis mystacinus</i> (Whiskered Bat / Ystlum Barfog)	SJ3849	28/09/1999	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	3
<i>Myotis mystacinus</i> (Whiskered Bat / Ystlum Barfog)	SJ3749	30/04/1998	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	3
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SJ3849 (Selected from Interactive Map)	23/07/2016	Recorder Name Withheld	1 Sub-adult	Bat Detector	Site Name Withheld	Comments Withheld	D1695/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SJ3849 (Approximate)	2 records, between 22/07/2016 and 23/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SJ3750 (Approximate)	24/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SJ3750 (Approximate)	24/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus</i> (Pipistrellus Bat Species)	SJ3849	08/07/2003	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1486/001/01	EPS, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ3849 (Selected from Interactive Map)	23/07/2016	Recorder Name Withheld	1 Sub-adult	Auditory record	Site Name Withheld	Comments Withheld	D1695/001/01	Bern, Bonn, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ3849 (Approximate)	2 records, between 22/07/2016 and 23/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, Bonn, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ3750 (Approximate)	24/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, Bonn, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ3750 (Approximate)	24/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, Bonn, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus pygmaeus</i> (Soprano Pipistrelle / Ystlum Lleiaf Uchelsain)	SJ3849 (Approximate)	23/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus pygmaeus</i> (Soprano Pipistrelle / Ystlum Lleiaf Uchelsain)	SJ3750 (Approximate)	24/07/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1695/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	1

Other Invertebrates										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Acanthiophilus helianthi</i>	SJ3849	04/07/2000	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Bembidion (Bembidion) quadripustulatum</i> (Scarce Four-dot Pin-palp)	SJ381488	2 records, between 04/07/2008 and 18/07/2008	Recorder Name Withheld	4 Adult; 2 Adult		Calypso Pond	Habitat: Water: standing: marl G1.5. Method: Hand searching; On Mud. Habitat: Water: standing: marl G1.5. Method: Hand searching	D1650/002/01	RD2(UK)NB, S7	1
<i>Bembidion (Notaphus) obliquum</i>	SJ381488	18/07/2008	Recorder Name Withheld	1 Adult		Calypso Pond	On Mud. Habitat: Water: standing: marl G1.5. Method: Hand searching	D1650/002/01	RD2(UK)NB	1
<i>Diplapion stolidum</i>	SJ3849	04/07/2000	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Donacia thalassina</i>	SJ381488	10/12/2012	Recorder Name Withheld	1 Adult		Calypso Pond	Typha Stem. Habitat: Water: standing: marl G1.5. Method: Hand searching	D1650/002/01	RD2(UK)NB, RD2(UK)S	1
<i>Grypus equiseti</i> (Horsetail Weevil)	SJ381498	31/10/2008	Recorder Name Withheld	1 Adult		W.I.E Red Wither Water board	In Moss. Habitat: Grassland: neutral: semi-improved B2.2. Method: Beating tray	D1650/002/01	RD2(UK)NB	1
<i>Neophytobius quadrinodosus</i>	SJ3849	04/07/2000	Recorder Name Withheld	1 Female		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NA	3
<i>Pseudorchestes pratensis</i>	SJ3849	04/07/2000	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3

Plants										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Azolla filiculoides</i> (Water Fern / Rhedynen y Dwr)	SJ38855017 (Selected from Interactive Map)	2 records, between 15/04/2013 and 13/05/2013	Recorder Name Withheld	A DAFOR	Not Applicable	Wrexham Ind Estate - Central: Phase 1, Pond 4 (T)		D1320/014/01	INNS, WCA9	1
<i>Calamagrostis epigejos</i> (Wood Small-reed / Corsen Fach y Coed)	SJ38174894	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate	Large patch on lip of depression	D1169/004/02	LBAP[GWY], LI[VC48, VC49, VC50, VC51]	3
<i>Calamagrostis epigejos</i> (Wood Small-reed / Corsen Fach y Coed)	SJ3849	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ38174894. Large patch on lip of depression	D1169/004/02	LBAP[GWY], LI[VC48, VC49, VC50, VC51]	3
<i>Cichorium intybus</i> (Chicory / Ysgellog)	SJ385496	20/07/2015	Recorder Name Withheld	6		Wrexham Industrial Estate	Council Reserve	D1169/004/02	LI[VC49, VC50, VC51]	3
<i>Crepis biennis</i> (Rough Hawk's-beard / Gwalchlys Garw)	SJ387494	2 records, both in 1998	Recorder Name Withheld			Redwither	Redwither.	D0216/001/03 , D1169/004/02	RD1(Wales)DD, LBAP[CON], LI[VC50]	4
<i>Crepis biennis</i> (Rough Hawk's-beard / Gwalchlys Garw)	SJ386492	29/06/2014	Recorder Name Withheld			Wrexham Industrial Estate	4ft Tall	D1169/004/02	RD1(Wales)DD, LBAP[CON], LI[VC50]	3
<i>Crepis biennis</i> (Rough Hawk's-beard / Gwalchlys Garw)	SJ380491	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate		D1169/004/02	RD1(Wales)DD, LBAP[CON], LI[VC50]	3
<i>Crepis biennis</i> (Rough Hawk's-beard / Gwalchlys Garw)	SJ37944915	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate	Occasional plants in the area	D1169/004/02	RD1(Wales)DD, LBAP[CON], LI[VC50]	3
<i>Crepis biennis</i> (Rough Hawk's-beard / Gwalchlys Garw)	SJ3849	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ3889.4915	D1169/004/02	RD1(Wales)DD, LBAP[CON], LI[VC50]	3
<i>Crepis biennis</i> (Rough Hawk's-beard / Gwalchlys Garw)	SJ3749	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ37944915	D1169/004/02	RD1(Wales)DD, LBAP[CON], LI[VC50]	3
<i>Crepis biennis</i> (Rough Hawk's-beard / Gwalchlys Garw)	SJ3848	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site		D1169/004/02	RD1(Wales)DD, LBAP[CON], LI[VC50]	3
<i>Crocospia pottsii</i> x <i>aurea</i> = <i>C. x crocosmiiflora</i> (Montbretia / Crib-y-Ceiliog)	SJ3850	19/04/2014	Recorder Name Withheld			Wrexham Industrial Estate North		D1169/004/02	INNS, WCA9	3
<i>Dactylorhiza fuchsii</i> x <i>praetermissa</i> = <i>D. x grandis</i> (Marsh-Orchid)	SJ3748	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ37727.48464. Large patch of robust plants about 10x10m sq. D.fuchsii frequent on Site. This needs confirming. 2nd for VC. 1st for 10km sq. Cultivated/disturbed land: introduced shrub	D1169/004/02	LI[VC50]	4
<i>Dactylorhiza praetermissa</i> (Southern Marsh-orchid / Tegeirian-y-Gors Deheuol)	SJ378499 (Approximate)	23/07/2016	Recorder Name Withheld			WIE 3a. Grassland adjacent to Erilas Black Wood		D1695/001/01	LBAP[GWY], LI[VC48, VC49, VC50]	1
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ37934938	26/02/2015	Recorder Name Withheld			Wrexham Industrial Estate		D1586/014/01	INNS, WCA9	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ3848	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate		D1169/004/02	INNS, WCA9	3
<i>Genista tinctoria</i> (Dyer's Greenweed / Melynog y Waun)	SJ386494	27/06/2007	Recorder Name Withheld			Wrexham Industrial Estate	Cefn Park: uncut grassy area	D1169/004/02	LI[VC49, VC50, VC51]	3
<i>Heracleum mantegazzianum</i> (Giant Hogweed / Efwr Enfawr)	SJ379494 (Selected from Interactive Map)	06/05/2011	Recorder Name Withheld	2 Flowering		Wrexham industrial estate	2 plants just growing on waste land off roundabout, 1 plant seen there last year.	D1330/001/01	INNS, WCA9	4
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SJ386493 (Approximate)	23/07/2016	Recorder Name Withheld			WIE 1. The Oaks LWS & River Clywedog		D1695/001/01	INNS, WCA9	1
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SJ3891348912	20/10/2016	Recorder Name Withheld			Wrexham Industrial estate	wet woodland, HB throughout. Mark DINNS	D1586/014/01	INNS, WCA9	1
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SJ3849	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate		D1169/004/02	INNS, WCA9	3
<i>Lathyrus nissolia</i> (Grass Vetchling / Ytbysen Feinddail)	SJ38164974 (Selected from Interactive Map)	23/07/2016	Recorder Name Withheld	1 Fruiting		WIE 2. Redwither Brook		D1695/001/01	LI[VC49, VC50]	1
<i>Lathyrus nissolia</i> (Grass Vetchling / Ytbysen Feinddail)	SJ379490 (Selected from Interactive Map)	29/06/2012	Recorder Name Withheld			Firestones, wrexham industrial estate	Large amount all over site	D1117/001/01	LI[VC49, VC50]	4
<i>Lathyrus nissolia</i> (Grass Vetchling / Ytbysen Feinddail)	SJ3749	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate	Widespread across the site	D1169/004/02	LI[VC49, VC50]	3
<i>Lathyrus nissolia</i> (Grass Vetchling / Ytbysen Feinddail)	SJ3848	2 records, between 29/06/2009 and 11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate	Widespread in the area	D1169/004/02	LI[VC49, VC50]	3
<i>Medicago arabica</i> (Spotted Medick / Maglys Brith)	SJ3749	02/01/2016	Recorder Name Withheld	Flowering		Wrexham Industrial Estate	BSBI New Year Plant Hunt	D1169/004/02	LBAP[GWY], LI[VC49, VC50, VC51, VC52]	3
<i>Mentha arvensis</i> (Corn Mint / Mintys yr Âr)	SJ386493 (Approximate)	23/07/2016	Recorder Name Withheld			WIE 1. The Oaks LWS & River Clywedog		D1695/001/01	LI[VC50]	1
<i>Mentha pulegium</i> (Pennyroyal / Brymllys)	SJ38505024	12/08/2014	Recorder Name Withheld			Wrexham Industrial Estate North	SJ38508 50240. Photos. 1st for SJ35. A patch of about 2 sq.m in amenity grassland verge with scattered plants elsewhere including along the 'spray-line' at the back of the kerb. Presumably a grass seed contaminant or via another escapee route.....	D1169/004/02	RD1(UK)EN, RD1(Wales)CR, RD2(UK)NS, RD2(UK)S, S7, WCA8, LBAP[ANG, CON], LI[VC50, VC52]	3
<i>Ononis spinosa</i> (Spiny Restharrow / Tagaradr Pigog)	SJ38254979 (Selected from Interactive Map)	23/07/2016	Recorder Name Withheld			Wrexham Industrial Estate	Locally Abundant	D1695/001/01	LI[VC49, VC50, VC52]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Ononis spinosa</i> (Spiny Restharrow / Tagaradr Pigog)	SJ381498	06/07/2014	Recorder Name Withheld			Wrexham Industrial Estate	W.I.E Red Wither Water board	D1169/004/02	LI[VC49, VC50, VC52]	3
<i>Ononis spinosa</i> (Spiny Restharrow / Tagaradr Pigog)	SJ379498 (Approximate)	23/07/2016	Recorder Name Withheld			Wrexham Industrial Estate	Grassland, Redwither Brook	D1695/001/01	LI[VC49, VC50, VC52]	1
<i>Ononis spinosa</i> (Spiny Restharrow / Tagaradr Pigog)	SJ3848	11/08/2013	Recorder Name Withheld			Wrexham Industrial Estate	SJ381489. 5 plants. Track around pit, original place W	D1169/004/02	LI[VC49, VC50, VC52]	3
<i>Ophioglossum vulgatum</i> (Adder's-tongue / Tafod y Neidr)	SJ3749	27/04/2010	Recorder Name Withheld			Wrexham Industrial Site	SJ36944.49344. 1st for 10km sq. 10-15 plants on vacant plot. Close to boundary with farmland. Beneath scrub. Old field boundary?	D1169/004/02	LI[VC48, VC49, VC50, VC51]	3
<i>Petasites hybridus</i> (Butterbur / Alan Mawr)	SJ3848	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate		D1169/004/02	LI[VC48, VC50]	3
<i>Petasites hybridus</i> (Butterbur / Alan Mawr)	SJ3748	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	Cultivated/disturbed land: introduced shrub	D1169/004/02	LI[VC48, VC50]	3
<i>Polemonium caeruleum</i> (Jacob's-ladder / Ysgol Jacob)	SJ3849	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ3889.4915. 4th for VC.	D1169/004/02	RD2(UK)NR, RD2(UK)R, LBAP[CON]	3
<i>Rorippa amphibia</i> (Great Yellow-cress / Berwr Melyn Mawr)	SJ381496 (Approximate)	23/07/2016	Recorder Name Withheld			WIE 2. Redwither Brook		D1695/001/01	LI[VC50, VC51]	1
<i>Salix viminalis x cinerea</i> = S. <i>x holosericea</i> (Silky-leaved Osier)	SJ38094918	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate	On side of shallow ditch	D1169/004/02	LI[VC50, VC51]	3
<i>Salix viminalis x cinerea</i> = S. <i>x holosericea</i> (Silky-leaved Osier)	SJ3849	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ38094918. On side of shallow ditch	D1169/004/02	LI[VC50, VC51]	3
<i>Sedum album</i> (White Stonecrop / Briweg Wen)	SJ386493 (Approximate)	2 records, both on 23/07/2016	Recorder Name Withheld			WIE 1. The Oaks LWS & River Clywedog		D1695/001/01	INNS	1
<i>Silaum silaus</i> (Pepper-saxifrage / Ffenigl yr Hwch)	SJ387494	07/08/2009	Recorder Name Withheld			Wrexham Industrial Site		D1169/004/02	LI[VC50]	3
<i>Silaum silaus</i> (Pepper-saxifrage / Ffenigl yr Hwch)	SJ386492	29/06/2014	Recorder Name Withheld			Wrexham Industrial Estate	Wrexham Ind Estate (Oaks Site)	D1169/004/02	LI[VC50]	3
<i>Silaum silaus</i> (Pepper-saxifrage / Ffenigl yr Hwch)	SJ38104889	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate		D1169/004/02	LI[VC50]	3
<i>Silaum silaus</i> (Pepper-saxifrage / Ffenigl yr Hwch)	SJ377489	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate	Locally frequent here	D1169/004/02	LI[VC50]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Silaum silaus</i> (Pepper-saxifrage / Ffenigl yr Hwch)	SJ3848	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ38104889.	D1169/004/02	LI[VC50]	3
<i>Silaum silaus</i> (Pepper-saxifrage / Ffenigl yr Hwch)	SJ3748	11/06/2011	Recorder Name Withheld			Wrexham Industrial Site	SJ377489. Locally frequent here. Cultivated/disturbed land: introduced shrub	D1169/004/02	LI[VC50]	3
<i>Sinapis arvensis</i> (Charlock / Mwstard Gwyllt)	SJ3850	19/04/2014	Recorder Name Withheld			Wrexham Industrial Estate North		D1169/004/02	RD1(Wales)VU	3
<i>Sinapis arvensis</i> (Charlock / Mwstard Gwyllt)	SJ3749	11/06/2011	Recorder Name Withheld			Wrexham Industrial Estate		D1169/004/02	RD1(Wales)VU	3

- PUBLIC VERSION -

Reptiles and Amphibians										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Anguis fragilis</i> (Slow-worm / Neidr Ddefaid)	SJ380490	Before 2009	Recorder Name Withheld			Redwither Brook		D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Anguis fragilis</i> (Slow-worm / Neidr Ddefaid)	SJ3849	2 records, both in 1999	Recorder Name Withheld			Wrexham Industrial Estate		D0035/002/01 , D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ38634948 (Supplied by Original Recorder)	23/07/2016	Recorder Name Withheld	1		WIE 1. The Oaks LWS & River Clywedog	Sub-Adult	D1695/001/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ388501 (Selected from Interactive Map)	15/04/2013	Recorder Name Withheld	400 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: Phase 1, General		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ390501	14/11/2015	Recorder Name Withheld	223	Pitfall Trap	Bryn Lane, Wrexham Industrial Estate	Trapped and translocated between October and November, mixture of adult and juveniles	D1672/001/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ3910550060 (Selected from Interactive Map)	03/05/2005	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - East: P12 (D)		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ39035023	2 records, between 03/05/2005 and 24/03/2010	Recorder Name Withheld	1 Adult (Sex Unknown); 2 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - East: P32 (B)		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ3910250172 (Selected from Interactive Map)	5 records, between 03/05/2005 and 07/04/2010	Recorder Name Withheld	1 Juvenile (Sex Unknown); 2 Adult (Sex Unknown); 1 Adult (Sex Unknown); Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - East: P11 (C)		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ376489 (Estimated (Centroid of Site))	4 records, between 29/08/2012 and 27/09/2012	Recorder Name Withheld	1 Adult (Sex Unknown); 2 Adult (Sex Unknown)	Terrestrial disturbance	Wrexham Ind Estate - Central: General (Wrexham Prison)		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ3795749836 (Supplied by Original Recorder)	25/04/2018	Recorder Name Withheld	4 Male	Torch Count	Wrexham Ind Estate - Central: Pond 3 (Village Bakery)		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3812149688 (Supplied by Original Recorder)	6 records, between 23/04/2012 and 31/05/2012	Recorder Name Withheld	2 Adult Female; 1 Adult Female; 1 Adult Male; 1 Adult Female; 1 Adult Male	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: P15 (Ash Road South)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3795749836 (Supplied by Original Recorder)	6 records, between 20/04/2017 and 24/05/2017	Recorder Name Withheld	4 Male; 6 Male; 8 Male; 9 Male; 3 Female; 2 Male	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: Pond 3 (Village Bakery)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3855750028 (Supplied by Original Recorder)	12 records, between 26/04/2007 and 22/05/2007	Recorder Name Withheld	9 Adult Male; 9 Adult Female; Egg; 32 Adult Male; 19 Adult Female; 8 Adult Male; 9 Adult Female; 28 Adult Male; 19 Adult Female; 6 Adult Male; 5 Adult Female; 2 Larva/Tadpole; 9 Adult Male; 12 Adult ...	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: P13 (Isringhausen P1)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3781549867 (Supplied by Original Recorder)	2 records, between 11/05/2017 and 24/05/2017	Recorder Name Withheld	2 Male	Torch Count	Wrexham Ind Estate - Central: Pond 1 (Village Bakery)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3895149895 (Selected from Interactive Map)	4 records, between 03/05/2005 and 13/05/2005	Recorder Name Withheld	3 Adult (Sex Unknown); 2 Adult Male; 3 Adult Female; 4 Adult (Sex Unknown); 1 Adult Male; 3 Adult Female	Torch Count; Bottle Trap	Wrexham Ind Estate - East: P13 (V)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38805018 (Selected from Interactive Map)	4 records, between 25/04/2014 and 17/05/2016	Recorder Name Withheld	15 Age & Sex Unknown; Age & Sex Unknown; 2 Adult (Sex Unknown); 4 Age & Sex Unknown	Torch Count	Wrexham Ind Estate - Central: Phase 1, Pond 6		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38825019 (Selected from Interactive Map)	3 records, between 07/05/2014 and 22/04/2015	Recorder Name Withheld	1 Age & Sex Unknown; 3 Age & Sex Unknown	Torch Count	Wrexham Ind Estate - Central: Phase 1, Pond 5		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38855017 (Selected from Interactive Map)	2 records, between 24/05/2005 and 25/05/2005	Recorder Name Withheld	1 Adult Female; 1 Adult (Sex Unknown)	Bottle Trap; Torch Count	Wrexham Ind Estate - Central: Phase 1, Pond 4 (T)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38905012	4 records, between 12/05/2005 and 24/05/2005	Recorder Name Withheld	16 Adult (Sex Unknown); 1 Adult (Sex Unknown); 3 Adult Male; 1 Adult Female; 15 Adult (Sex Unknown)	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: P09 (X)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ39064980	11/06/1992	Recorder Name Withheld					D1122/002/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3885650201 (Selected from Interactive Map)	5 records, between 25/04/2014 and 03/05/2016	Recorder Name Withheld	12 Age & Sex Unknown; 8 Age & Sex Unknown; 1 Adult (Sex Unknown); 1 Age & Sex Unknown	Torch Count; Not Applicable	Wrexham Ind Estate - Central: Phase 1, Pond 3		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38855021 (Selected from Interactive Map)	7 records, between 25/04/2014 and 17/05/2016	Recorder Name Withheld	6 Age & Sex Unknown; 1 Age & Sex Unknown; 3 Age & Sex Unknown; 1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: Phase 1, Pond 2		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38885019 (Selected from Interactive Map)	5 records, between 25/04/2014 and 17/05/2016	Recorder Name Withheld	1 Age & Sex Unknown; 2 Adult (Sex Unknown); 3 Age & Sex Unknown; 6 Adult (Sex Unknown); 3 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: Phase 1, Pond 1		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ39094934	11/06/1992	Recorder Name Withheld					D1122/002/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ381488 (Selected from Interactive Map)	31/07/2012	Recorder Name Withheld	6 Adult		Firestones, wrexham Industrial Estate	Under wooden pallet	D1117/001/01	Bern, WCA5, LBAP[CON, DEN, FLI]	4
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ390501	14/11/2015	Recorder Name Withheld	58	Pitfall Trap	Bryn Lane, Wrexham Industrial Estate	Trapped and translocated between October and November, mixture of adult and juveniles	D1672/001/01	Bern, WCA5, LBAP[CON, DEN, FLI]	4
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38985024	8 records, between 03/05/2005 and 02/06/2010	Recorder Name Withheld	1 Adult (Sex Unknown); 2 Adult Male; 1 Adult Female; 3 Adult (Sex Unknown); 11 Adult (Sex Unknown); 1 Adult Male; 1 Adult Female; 1 Adult Female; 1 Adult Male	Torch Count; Bottle Trap	Wrexham Ind Estate - East: P31 (A)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ391493 (Supplied by Original Recorder (Checked))	06/03/1999	Recorder Name Withheld	+		Wrexham Industrial Estate	Torch survey of 2+ ponds	D0026/036/01	Bern, WCA5, LBAP[CON, DEN, FLI]	4
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ39035023	9 records, between 12/05/2005 and 02/06/2010	Recorder Name Withheld	1 Adult Female; 4 Adult Male; 1 Adult Male; 2 Adult Male; 1 Adult Female; 6 Adult (Sex Unknown); 3 Adult (Sex Unknown); 8 Adult (Sex Unknown)	Bottle Trap; Torch Count	Wrexham Ind Estate - East: P32 (B)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3910250172 (Selected from Interactive Map)	9 records, between 04/05/2005 and 03/06/2010	Recorder Name Withheld	1 Adult Male; 8 Adult Male; 11 Adult Female; 1 Adult Male; 2 Adult Female; 13 Adult Male; 6 Adult Female; 5 Adult Male; 2 Adult Female; 2 Adult Female; 8 Adult Male; 3 Adult Male; 5 Adult Female; 5 Ad...	Bottle Trap; Torch Count	Wrexham Ind Estate - East: P11 (C)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3925549949 (Selected from Interactive Map)	20/05/2005	Recorder Name Withheld	1 Adult Male	Bottle Trap	Wrexham Ind Estate - East: P14 (E)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ376489 (Estimated (Centroid of Site))	4 records, between 29/08/2012 and 18/09/2012	Recorder Name Withheld	1 Adult Female; 1 Juvenile (Sex Unknown); 2 Juvenile (Sex Unknown)	Terrestrial disturbance	Wrexham Ind Estate - Central: General (Wrexham Prison)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ38044871 (Selected from Interactive Map)	8 records, between 03/05/2005 and 02/06/2005	Recorder Name Withheld	1 Adult Female; 6 Adult Female; 1 Adult Male; 5 Adult Female; 1 Adult Male; 24 Adult Female; 13 Adult Male; 2 Adult Male; 3 Adult Female; 2 Adult Female; 3 Adult Female; 1 Adult Male	Bottle Trap; Torch Count	Wrexham Ind Estate - Central: P01 (Wrexham Prison)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ3855750028 (Supplied by Original Recorder)	2 records, between 08/05/2007 and 18/05/2007	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: P13 (Isringhausen P1)		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ3888049984 (Supplied by Original Recorder)	22/04/2015	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: Phase 2, Pond 2		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ388501 (Selected from Interactive Map)	3 records, between 15/04/2013 and 19/06/2013	Recorder Name Withheld	Frog Spawn; Larva/Tadpole; 17 Adult (Sex Unknown); 4 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: Phase 1, General		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ38855017 (Selected from Interactive Map)	12/05/2005	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: Phase 1, Pond 4 (T)		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ38885019 (Selected from Interactive Map)	28/04/2017	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: Phase 1, Pond 1		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ390501	14/11/2015	Recorder Name Withheld	27	Pitfall Trap	Bryn Lane, Wrexham Industrial Estate	Trapped and translocated between October and November, mixture of adult and juveniles	D1672/001/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ3910550060 (Selected from Interactive Map)	19/05/2005	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - East: P12 (D)		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ3910250172 (Selected from Interactive Map)	24/05/2005	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - East: P11 (C)		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ38044871 (Selected from Interactive Map)	02/06/2005	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - Central: P01 (Wrexham Prison)		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ381496 (Approximate)	15/04/1998	Recorder Name Withheld	1 (Exact)		Wrexham Industrial Estate - Field Corner Pond		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3812149688 (Supplied by Original Recorder)	4 records, between 28/04/2012 and 31/05/2012	Recorder Name Withheld	1 Adult Male; 1 Adult Female; 1 Adult Female	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: P15 (Ash Road South)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3795749836 (Supplied by Original Recorder)	8 records, between 20/04/2017 and 25/04/2018	Recorder Name Withheld	1 Male; 1 Female; 1 Female; 20 Male; 9 Female; 7 Male; 9 Female; 3 Male; 5 Female	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: Pond 3 (Village Bakery)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3855750028 (Supplied by Original Recorder)	8 records, between 26/04/2007 and 22/05/2007	Recorder Name Withheld	3 Adult Female; Egg; 3 Adult Female; 1 Juvenile Female; 2 Adult Male; 1 Juvenile Female; 2 Adult Male; 2 Adult Female; 1 Adult Male; 2 Adult Male; 1 Adult Female	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: P13 (Isringhausen P1)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ379498 (Approximate)	22/04/1998	Recorder Name Withheld	7 (Exact)		Wrexham Industrial Estate - Typha pond		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ385500	5 records, between 26/04/2007 and 22/05/2007	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1317/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ381492 (Approximate)	15/04/1998	Recorder Name Withheld	1 (Exact)		Wrexham Industrial Estate - Drainage Ditch		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ388496	04/04/2005 - 09/04/2005	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1317/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ378498 (Approximate)	22/04/1998	Recorder Name Withheld	6 (Exact)		Wrexham Industrial Estate - Woodland Corridor Pond		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ379500 (Estimated Centroid of Site))	May 2004	Recorder Name Withheld	Adult; Juvenile; Egg		Wrexham Industrial Estate	Bottle trap, torch survey and egg search	D0026/279/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3781549867 (Supplied by Original Recorder)	7 records, between 20/04/2017 and 10/05/2018	Recorder Name Withheld	1 Male; 2 Female; 1 Female; 4 Male; 1 Male; 3 Female	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: Pond 1 (Village Bakery)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3

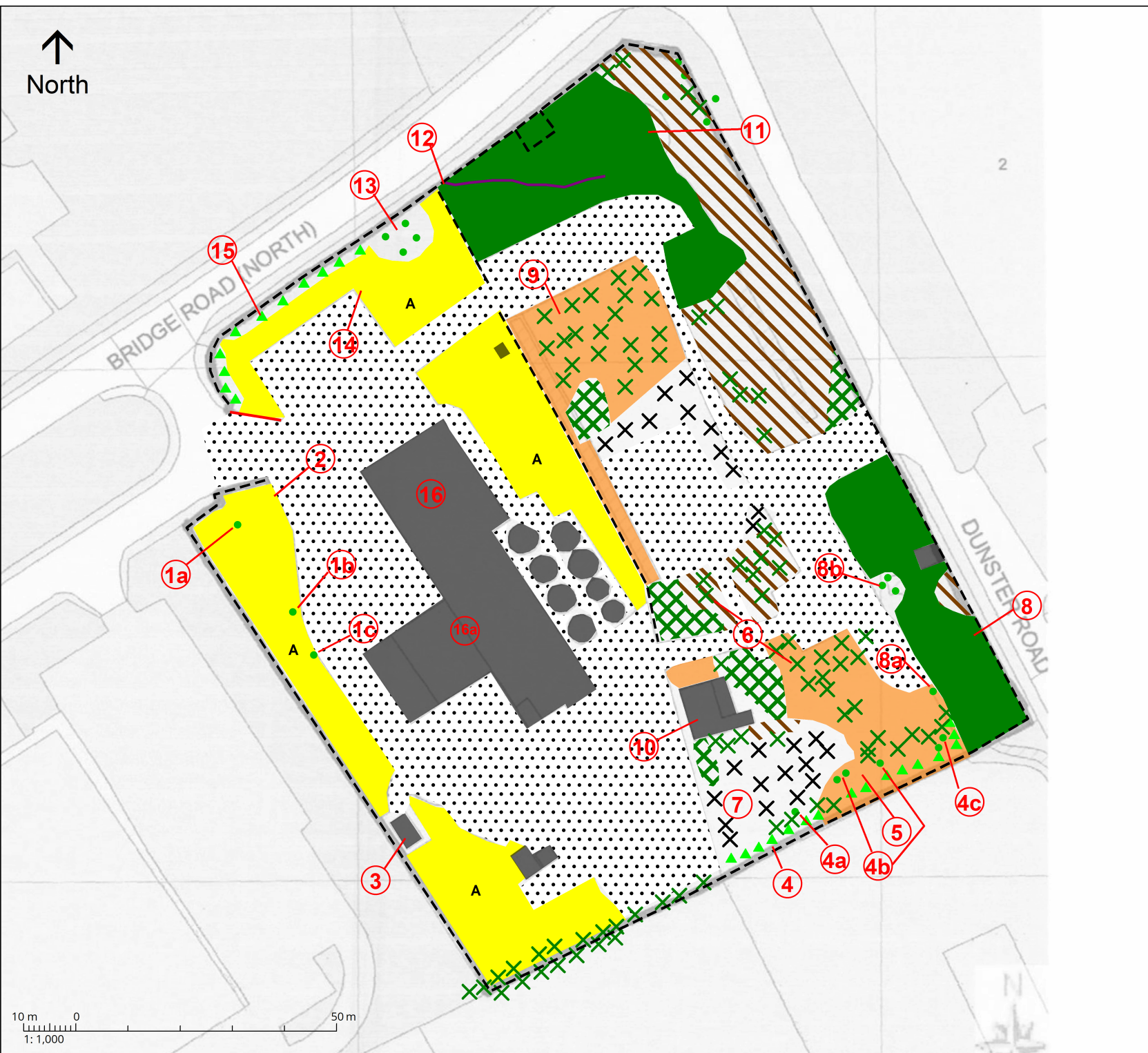
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ388499	4 records, between 11/04/2007 and 22/05/2007	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1317/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3888349963 (Supplied by Original Recorder)	10 records, between 25/04/2014 and 09/05/2017	Recorder Name Withheld	Egg; 3 Male; 2 Female; 1 Adult Male; 2 Adult Female	Not Applicable; Torch Count	Wrexham Ind Estate - Central: Phase 2, Pond 1		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3888049984 (Supplied by Original Recorder)	15 records, between 25/04/2014 and 09/05/2017	Recorder Name Withheld	1 Adult Male; 2 Adult Female; Egg; 3 Adult Male; 2 Adult Male; 1 Adult Female; 2 Male; 2 Female	Torch Count; Not Applicable	Wrexham Ind Estate - Central: Phase 2, Pond 2		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3888349996 (Supplied by Original Recorder)	7 records, between 22/04/2015 and 09/05/2017	Recorder Name Withheld	1 Male; 1 Female; 2 Adult Male; Egg; 5 Adult Male; 1 Adult Male	Torch Count; Not Applicable	Wrexham Ind Estate - Central: Phase 2, Pond 3		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38934990 (Supplied by Original Recorder)	17/06/1992	Recorder Name Withheld				Probable record (supplied by local resident)	D1122/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3895149895 (Selected from Interactive Map)	8 records, between 03/05/2005 and 14/04/2010	Recorder Name Withheld	1 Adult Male; 3 Adult Male; 4 Adult Female; 4 Adult (Sex Unknown); 1 Adult Female; 8 Adult (Sex Unknown); 5 Adult Male; 8 Adult Female; 10; 5 Adult Male; 6 Adult Female	Torch Count; Bottle Trap	Wrexham Ind Estate - East: P13 (V)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38805018 (Selected from Interactive Map)	37 records, between 02/06/2009 and 09/05/2017	Recorder Name Withheld	1 Adult Female; 8 Adult Female; 1 Adult (Sex Unknown); 3 Adult Male; 2 Adult Female; Egg; 1 Adult Male; 2 Adult Male; 6 Adult Male; 4 Adult Female; 7 Adult Male; 5 Adult Female; 4 Adult Male; 3 Adult ...	Torch Count; Not Applicable	Wrexham Ind Estate - Central: Phase 1, Pond 6	Seen laying eggs; Egg laying observed.	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ388501 (Selected from Interactive Map)	6 records, between 11/04/2007 and 19/06/2013	Recorder Name Withheld	17 Adult Male; 11 Adult Female; Egg; 2 Adult Male; 9 Adult Female; Egg; 10 Adult Male; 12 Adult Female; Egg; 14 Maximum Count	Torch Count; Live Sighting	Wrexham Ind Estate - Central: Phase 1, General	Tourch light survey	D1320/014/01 , D1317/001/02 , D1117/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38825019 (Selected from Interactive Map)	43 records, between 13/05/2009 and 09/05/2017	Recorder Name Withheld	1 Adult Male; 1 Adult Female; 2 Adult Male; 3 Adult Female; 2 Adult Female; Egg; 7 Adult Female; 2 Adult (Sex Unknown); 1 Metamorph (Newly terrestrial animal); 3 Adult Male; 1 Juvenile (Sex Unknown); ...	Torch Count; Not Applicable; Netted	Wrexham Ind Estate - Central: Phase 1, Pond 5	Egg laying observed.	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3886150171	Before 23/03/2007	Recorder Name Withheld	10 Great Crested Newt (2005)		Wrexham Industrial Estate		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38905012	2 records, between 12/05/2005 and 20/05/2005	Recorder Name Withheld	1 Adult Male; 1 Adult Female; 5 Adult (Sex Unknown)	Bottle Trap; Torch Count	Wrexham Ind Estate - Central: P09 (X)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ381489 (Approximate)	29/04/1998	Recorder Name Withheld	16 (Exact)		Wrexham Industrial Estate - Core Site Pond		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ39064980 (Supplied by Original Recorder)	2 records, between 1992 and 11/06/1992	Recorder Name Withheld	Present				D1122/001/01 , D0137/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3885650201 (Selected from Interactive Map)	20 records, between 13/05/2009 and 12/05/2015	Recorder Name Withheld	2 Adult Male; 2 Adult Female; 2 Adult (Sex Unknown); 1 Adult Male; Egg; 3 Adult Male; 4 Adult Female; 3 Adult Female; 4 Adult (Sex Unknown); 1 Adult Female	Torch Count; Not Applicable	Wrexham Ind Estate - Central: Phase 1, Pond 3	Egg laying observed.	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ39034939 (Supplied by Original Recorder)	11/06/1992	Recorder Name Withheld				Probable record (supplied by local resident)	D1122/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38855021 (Selected from Interactive Map)	42 records, between 13/05/2009 and 09/05/2017	Recorder Name Withheld	3 Adult Male; 4 Adult Female; Egg; 11 Adult Male; 6 Adult Female; 18 Adult Male; 15 Adult Female; 1 Adult Male; 1 Adult Female; 6 Adult Male; 8 Adult Female; 1 Adult (Sex Unknown); 3 Adult Female; 2 A...	Torch Count; Not Applicable	Wrexham Ind Estate - Central: Phase 1, Pond 2	Egg laying observed.	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38885019 (Selected from Interactive Map)	49 records, between 14/04/2010 and 09/05/2017	Recorder Name Withheld	1 Adult Male; 1 Adult Female; 1 Adult (Sex Unknown); 12 Adult Male; 9 Adult Female; 11 Adult Male; 3 Adult Female; 3 Adult (Sex Unknown); 2 Adult (Sex Unknown); 1 Juvenile (Sex Unknown); Egg; 15 Adult...	Torch Count; Not Applicable	Wrexham Ind Estate - Central: Phase 1, Pond 1		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ39024932 (Supplied by Original Recorder)	11/06/1992	Recorder Name Withheld				Probable record (supplied by local resident)	D1122/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3816348910	1994	Recorder Name Withheld			Spectrum Industrial Estate		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ390493	01/05/2004	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1317/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ389501	5 records, between 19/04/2007 and 22/05/2007	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1317/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ39094934 (Approximate)	2 records, between 1992 and 11/06/1992	Recorder Name Withheld	Present		BICC cables		D0137/001/01 , D1122/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ381488 (Selected from Interactive Map)	31/07/2012	Recorder Name Withheld	3 Adult		Firestones, wrexham Industrial Estate	Under wooden pallet	D1117/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ390501	14/11/2015	Recorder Name Withheld	5 Adult	Pitfall Trap	Bryn Lane, Wrexham Industrial Estate	Trapped and translocated between October and November	D1672/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3910550060 (Selected from Interactive Map)	03/05/2005	Recorder Name Withheld	1 Adult Male	Torch Count	Wrexham Ind Estate - East: P12 (D)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38985024	4 records, between 03/05/2005 and 25/03/2010	Recorder Name Withheld	1 Adult (Sex Unknown); 1 Adult Male	Torch Count; Bottle Trap	Wrexham Ind Estate - East: P31 (A)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3898850245	Before 23/03/2007	Recorder Name Withheld	Max Count 1 2005		Wrexham Industrial Estate		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ391493 (Supplied by Original Recorder (Checked))	06/03/1999	Recorder Name Withheld	2 Male; 2 Female		Wrexham Industrial Estate	Torch survey of 2+ ponds	D0026/036/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ37774898 (Approximate)	1994	Recorder Name Withheld	Present		Firestone Factory		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3911650079	Before 23/03/2007	Recorder Name Withheld	1 GCN 05 (Terr Record)		Wrexham Industrial Estate		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3903250230	Before 23/03/2007	Recorder Name Withheld	Max Count 2 GCN (05)		Wrexham Industrial Estate		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ39035023	3 records, between 24/05/2005 and 27/04/2010	Recorder Name Withheld	1 Adult Female; 3 Adult Male; 1 Adult Female; 2 Adult (Sex Unknown)	Bottle Trap; Torch Count	Wrexham Ind Estate - East: P32 (B)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3910250172 (Selected from Interactive Map)	4 records, between 03/05/2005 and 28/04/2010	Recorder Name Withheld	1 Adult (Sex Unknown); 2 Adult Male; 1 Adult Female; 7 Adult Male; 1 Adult Female; 1 Adult Male	Torch Count; Bottle Trap	Wrexham Ind Estate - East: P11 (C)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ389503	4 records, between 27/04/2005 and 04/06/2005	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1317/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ381487 (Approximate)	16/05/1998	Recorder Name Withheld	1 (Exact)		Wrexham Industrial Estate - Water Treatment Pond		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3910250227	Before 23/03/2007	Recorder Name Withheld	Max Count 1 GCN (Terrestrial)		Wrexham Industrial Estate		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3925249954	Before 23/03/2007	Recorder Name Withheld	1 Great Crested Newt (05)		Wrexham Industrial Estate	Terrestrial record	D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3925549949 (Selected from Interactive Map)	03/05/2005	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Wrexham Ind Estate - East: P14 (E)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ376489 (Estimated (Centroid of Site))	6 records, between 01/01/1994 and 27/09/2012	Recorder Name Withheld	1 Adult (Sex Unknown); 5 Juvenile (Sex Unknown); 4 Adult Female; 2 Adult Male; 1 Adult Female; 2 Juvenile (Sex Unknown); 3 Juvenile (Sex Unknown); 2 Adult Female; 1 Juvenile (Sex Unknown); 2 Adult Fem...	Torch Count; Terrestrial disturbance	Wrexham Ind Estate - Central: General (Wrexham Prison)	GCN in underground feature when bat survey was being carried out	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ38044871 (Selected from Interactive Map)	9 records, between 03/05/2005 and 12/05/2016	Recorder Name Withheld	4 Adult (Sex Unknown); 1 Adult (Sex Unknown); 2 Adult Male; 1 Adult Female; 2 Adult Female; 4 Adult Male; 1 Adult Male; 1 Adult Female; 1 Adult Female; Egg	Torch Count; Bottle Trap	Wrexham Ind Estate - Central: P01 (Wrexham Prison)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Vipera berus</i> (Adder / Gwiber)	SJ380490	Before 2009	Recorder Name Withheld			Redwither Brook		D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Vipera berus</i> (Adder / Gwiber)	SJ3849	2 records, both in 1999	Recorder Name Withheld			Wrexham Industrial Estate		D0035/002/01 , D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4

Statutory Sites intersecting 1000m buffer	None
Wildlife Sites intersecting 1000m buffer	W337: Wrexham Industrial Estate (224m)
NWWT Reserves intersecting 1000m buffer	None
RSPB Reserves intersecting 1000m buffer	None
RIGS intersecting 1000m buffer	None
Ancient Woodland intersecting 1000m buffer	30640: Restored Ancient Woodland Site (630m), 37166: Restored Ancient Woodland Site (688m), 33412: Ancient Semi Natural Woodland (854m)
Phase I Habitats intersecting 1000m buffer (Habitat at central point shown in red, if found)	A.1.1.1: Semi-natural Broad-leaved Woodland (1.12% / 35,153 sq.m), A.1.1.2: Planted Broad-leaved Woodland (0.41% / 12,962 sq.m), A.2.1: Dense Scrub (9.15% / 287,275 sq.m), B.2.2: Semi-improved Neutral Grassland (8.67% / 272,392 sq.m), B.4: Improved Grassland (8.43% / 264,857 sq.m), C.3.1: Tall Ruderal Herb (0.28% / 8,680 sq.m), G.1: Standing Water (0.25% / 7,977 sq.m), G.2: Running Water (0.5% / 15,845 sq.m), J.1.1: Arable (1.78% / 55,770 sq.m), J.1.2: Amenity Grassland (3.77% / 118,497 sq.m), J.1.3: Ephemeral/Short Perennial (11.61% / 364,812 sq.m), J.1.5: Gardens (0.15% / 4,694 sq.m), J.3.6: Buildings (47.52% / 1,492,836 sq.m), J.4: Bare Ground (0.1% / 3,232 sq.m), NA: Not Accessed Land (1.27% / 39,780 sq.m)



- Broad-leaved semi-natural woodland
- Dense/ continuous scrub
- Hedgerow
- Individual broad-leaved tree
- Individual coniferous tree
- Scattered scrub
- Unimproved neutral grassland
- Amenity grassland
- Tall ruderal
- Building
- Hard-standing/ bare ground
- Ephemeral/ short perennial
- Fence
- Wall
- Badger path
- Target Note

C379 Proposed Development at Lloyds Animal Feeds, Bridge Road (North), Wrexham Industrial Estate, Wrexham - Preliminary Ecological Appraisal

Figure 1 - Extended Phase 1 Habitat Survey

Date: 30/07/2018

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