Report Title	**Proposed Residential Development, Land to the Rear of Ingleby, Lloyd's Lane, Chirk Green, Chirk, Wrexham, LL14 5PU – Preliminary Ecological Appraisal**
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Quality Assurance

Survey/ Assessment Work Schedule		
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Ecological background data search	Max Ellson	June 2024

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1.0	05/08/24	Max Ellson	Tom Knight	Tom Knight

This report has been prepared by Marches Ecology with all reasonable skill, care and diligence within the terms of the Contract with the client.

The terms of this Contract have been fulfilled by Marches Ecology in accordance with the Chartered Institute of Ecology and Environmental Management's Code of Professional Conduct.

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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 Elate Construction Ltd to undertake a Preliminary Ecological Appraisal of land to the rear of Ingleby, Lloyd's Lane, Chirk Green, Chirk, Wrexham, LL14 5PU (approximate OS Grid Ref. SJ 2935 3826). This Preliminary Ecological Appraisal (PEA) comprised an ecological background data search and an Extended Phase 1 Habitat Survey. This Ecological Appraisal is required to consider the potential impacts due to a residential housing development. The 'survey site' defined for this Appraisal is shown on *Figure 1*.

1.1.2 This report is provided as supporting information to a planning application to Wrexham County Brough Council (WCBC). The site is understood to comprise a former coal yard.

1.1.3 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 ecological enhancements proposed in *Section 4* of this report seek to achieve net benefit for biodiversity (NBB) in accordance with current national planning policy.

The structure of this Preliminary Ecological Appraisal Report (PEAR) 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 Max Ellson of Marches Ecology. Max Ellson is an ecologist with over twenty 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).
- MSc Vegetation Survey and Assessment.
- BSc (Hons) Environmental Biology.

1.3 Site Description and Context

1.3.1 The survey site extends to approximately 0.3 hectares and is shown on *Figure 1.* It comprises a single rectangle shaped area of land located to the immediate west of Lloyd's Lane. The survey site is largely flat or gently sloping. It is almost entirely surrounded by fences (either permanent or temporary heras). The site is understood to have formerly been utilised as a coal yard – there are remnants of coal waste remaining at the peripheries – and it appears to have been largely subject to clearance works.

1.3.2 The survey site is abutted to the north by school grounds (Ysgol Y Waun), and to the west and south by domestic housing/ estates (The Nurseries and Chirk Green Gardens). To the east lies either Lloyd's Lane, or a large/ detached house (Ingleby) and associated gardens. Domestic housing is also located on the opposite side of Lloyd's Lane; further east (at a distance of approximately 130 m at its closest point) is open space (Chirk Green) which is in turn located on the edge of open countryside.

1.4 The Proposal

1.4.1 A series of BH Architects Ltd plans illustrate the existing site and the proposal, as follows:

- Drawing no. 22/208_EL/01_RevC, dated 15th July 2024, entitled '*Existing Location, Block and Site Plans*';
- Drawing no. 22/208_EL/02_RevF, dated 15th July 2024, entitled '*Proposed Setting Out and Landscaping Plan*'; and
- Drawing no. 22/208_EL/03_RevG, dated 04th August 2024, entitled '*Proposed Plans and Elevations*'.

1.4.2 Drawing no. 22/208_EL/01_RevC indicates the redline planning boundary (this equates to approximately 0.3 hectares). Drawing no. 22/208_EL/02_RevF illustrates the arrangement of 9 no. residential dwellings within the redline planning boundary: four semi-detached dwellings (totalling eight), and one detached. Each dwelling is shown with a fenced rear garden, and 2 no. car parking spaces to the front. The drawing also illustrates the proposed alignment of the shared access driveway, along with landscaping proposals.

1.4.3 Drawing no. 22/208_EL/03_RevG provides details on the external elevations and internal plans. Each property will be fitted with a roof-top solar array.

1.4.4 The results of a tree survey have also been provided to inform this PEA (Tree Solutions, 2024).

1.4.5 No further detail with regards the proposal have been provided at this stage. No information on external lighting has been provided to inform this report.

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 2024). In a letter[1] dated 11th October 2023 along with an associated Annex[2] the Minister for Climate Change outlined some changes to be included in Edition 12. The main changes include the areas of 'Green Infrastructure', 'Net Benefit for Biodiversity', 'Protection for SSSIs' and 'Trees and Woodlands'.

1.5.3 Chapter 6 (of Edition 12) is of particular relevance (though it is complementary to other themes within the document) and is entitled 'Distinctive and Natural Places'.

With specific reference to development proposals the following key statement is made:

'*Development plan strategies, policies and development proposals must consider the need to:*

- *support the maintenance and enhancement of biodiversity and the resilience of ecosystems;*
- *ensure action in Wales contributes to meeting international responsibilities and obligations for biodiversity and habitats, including the most recent targets set out in the 2022 UN Global Biodiversity Framework;*
- *ensure statutorily and non-statutorily designated sites are properly protected and managed and their role at the heart of resilient ecological networks is safeguarded;*
- *safeguard protected and priority species and existing biodiversity assets from direct, indirect or cumulative adverse impacts that affect their nature conservation interests and compromise the resilience of ecological networks and the components which underpin them, such as water, air and soil, including peat; and*
- *secure the maintenance and enhancement of ecosystem resilience and ecosystem resilient networks by improving diversity, extent condition, and connectivity'.*

Furthermore, it states that:

- *'It is important that biodiversity and ecosystem resilience considerations are taken into account at an early stage in both development plan preparation and when proposing or considering development proposals'.*
- *'All reasonable steps must be taken to maintain and enhance biodiversity and promote the resilience of ecosystems and these should be balanced with the wider economic and social needs of business and local communities. Where adverse effects on the*

[1] *Letter to Heads of Planning from Julie James, Minister for Climate Change, dated 11 October 2023. Ref. MA/JJ/2512/23.*
[2] *Annex to Heads of Planning Letter Dated 11 October 2023: Addressing the Nature Emergency through the Planning System: Updated National Planning Policy for Chapter 6 of Planning Policy Wales*.

biodiversity and ecosystem resilience cannot be avoided or mitigated/ restored, and as a last resort compensated for, it will be necessary to refuse planning permission'.

- '*All development must deliver a net benefit for biodiversity and ecosystem resilience from the baseline state (proportionate to the scale and nature of the development proposed).*'

Use of the mitigation hierarchy is emphasised:

'*Planning authorities must follow a step-wise approach to maintain and enhance biodiversity, build resilient ecological networks and deliver net benefits for biodiversity by ensuring that any adverse environmental effects are firstly avoided, then minimized, mitigated, and as a last resort compensated for. Enhancement must be secured by delivering a biodiversity benefit primarily on site or immediately adjacent to the site, over and above that required to mitigate or compensate for any negative impact.*'

1.5.4 Areas that Chapter 6 covers include biodiversity and resilience of ecosystems duty, maintenance and enhancement biodiversity, the step-wise approach, designated sites, protected species, trees/ woodlands and hedgerows, specific habitats/ areas, sustainable drainage systems (SuDS), green infrastructure, air quality, lighting, and de-risking development.

Technical Advice Note 5

1.5.5 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.

1.5.6 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 2.2.1[3]);*
- *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);*

[3] References to the relevant part of PPW (now outdated).

- *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

1.5.7 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 Local Development Plan

1.5.8 The Wrexham Local Development Plan (LDP) was adopted on 20th December 2023. The LDP '*...sets out the planning requirements for achieving sustainable development in Wrexham County Borough over the period 2013-2028*'. Relevant ecology-related policies are listed here.

The strategic policies include:

- *Policy SP2. Location of Development.*
- *Policy SP5. Planning Obligations.* This includes ecological mitigation.
- *Policy SP12. Design Principles and Masterplanning Framework.*
- *Policy SP14. Natural Environment. Development will only be permitted where it seeks to protect, conserve and enhance the natural environment including:*
  - *Special Areas of Conservation, Special Protection Areas, and Ramsar Sites;*
  - *Sites of Special Scientific Interest and National Nature Reserves;*
  - *Protected Species and their habitat;*
  - *The Clwydian Range and Dee Valley Area of Outstanding Natural Beauty*
  - *Local Wildlife Sites;*
  - *Local Nature Reserves;*
  - *Special Landscape Areas;*
  - *Natural landscape features and Green Infrastructure such as trees, hedges and woodland which contribute to the quality and diversity of the natural environment and play an important role in mitigating the impact of climate change;*
  - *The quality of natural services including water, soundscape, air and soils; and*
  - *Habitats and species of principal importance to Wales.*
- *Policy SP18. Climate Change.* Includes maintaining ecological resilience.

- *Policy SP19. Green Infrastructure. Development will be required to maintain the extent, quality and connectivity of multifunctional green infrastructure on or near a site, and, where appropriate to enhance it.*

Section 4 of the LDP includes a sub-section on the 'Natural Environment'. The relevant policies listed include:

- *Policy NE1. International and National Nature Conservation Designations.*
- *Policy NE2. Local Designations for Nature Conservation and Geological Importance. Development which adversely affects the nature conservation and/or geological importance of locally designated sites, habitats and species will only be permitted in exceptional circumstances where it can be demonstrated that:*
  - *There is no satisfactory alternative location for the development which avoids nature conservation impacts; and*
  - *Compensation measures are designed to ensure that there is no reduction in the overall nature or geological conservation value of the site.*
- *Policy NE3. Trees, Woodlands and Hedgerows. Development will only be permitted where it does not cause unacceptable harm to trees, woodlands and hedgerows of significant public amenity, natural or cultural heritage value or those that provide important ecosystem services.*
- *Policy NE6. Wastewater Treatment and River Water Quality. All new development will only be permitted where there is no adverse effect on the integrity of the River Dee and Bala Lake SAC in particular through the treatment of waste water.*

Section 4 also has a sub-section on 'General Development Management Considerations'. The relevant policies listed include:

- *Policy DM1. Development Management Considerations.* This includes safeguarding the environment from the adverse effects of pollution of water, land, noise, light or air, and not increasing the risk of flooding/ impacts on the water environment.

Local Planning Guidance

1.5.9 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.
- LPG 32 Biodiversity and Development. Adopted March 2011. Of particular importance it details the requirements for ecological survey and reporting.
- LPG 35 Great Crested Newt Mitigation Requirements – Johnstown Newt Site SAC and the Wider Countryside. Adopted June 2018.

1.6 Legislation

Introduction

1.6.1 This sub-section provides a brief summary of key legislation relevant to ecology/ nature conservation and the development. 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)[4]

1.6.2 Transposed 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*.

[4] Amended in line with EU Exit by *The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019.*

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 (North Wales Environmental Information Service)[5]. Information sought included protected (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 26th June 2024 by Max Ellson of Marches Ecology. The Extended Phase 1 Habitat plan is provided as *Figure 1*. The survey focussed on land within the site boundary (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 initially 100% grey cloud, with sun breaking through later in the day, and dry/ hot.

2.2.2 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.

2.2.3 In addition to the habitat map and target notes, a plant species list was compiled (provided in *Table 1, Section 7*). Plant nomenclature in this report follows Stace (2022). June is within the accepted survey period for Extended Phase 1 Habitat Surveys. However, it is unrealistic to suppose that walk-through surveys can generate completely exhaustive species lists at

[5] A small area of the 1 km search area falls within Shropshire/ England, and is therefore outside the boundary of Cofnod's service provision. The area concerned is approximately 0.04km² to the south of the River Dee, located at over 800 m from the survey site. Taking this into account, ecological records have not been requested from the Shropshire Ecological Data Network.

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.

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

- Badger (*Meles meles*). 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 (*Triturus cristatus*). 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 boundary of the survey site was occasionally unmarked on the ground and difficult to determine.
- Some parts of the survey site (largely boundaries) are characterised by dense (scrub) vegetation which may have obscured evidence of use of the survey site by protected/ notable species.
- No direct access was gained to a small part of the survey site (to the north of the access road).
- Trees were in full leaf which obscured inspection of the higher canopies.

None of the survey limitations listed above significantly affected the findings of the survey and therefore the conclusions and prescribed mitigation measures.

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 (2018). 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 two statutory protected sites within the 1 km search area: the River Dee/ Afon Dyfrdwy Site of Special Scientific Interest (SSSI) and the River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid Special Area of Conservation (SAC). The closest part of these protected sites is located approximately 850 m to the south of the survey site at its closest point.

3.1.2 SACs are of international (European) importance under *The Conservation of Habitats and Species Regulations 2017.* SSSIs are of national importance and are designated under *The Wildlife and Countryside Act 1981* (as amended) and are also affected by the *CRoW Act 2000.*

3.1.3 The River Dee and Bala Lake SAC has been designated for its populations of Bullhead (*Cottus gobio*), River Lamprey (*Lampetra fluviatilis*), Brook Lamprey (*Lampetra planeri*), Sea Lamprey (*Petromyzon marinus*), Atlantic Salmon (*Salmo salar*), Floating Water-plantain (*Luronium natans*) and Otter (*Lutra lutra*), as well as for the floating vegetation often dominated by water-crowfoot. The River Dee SSSI is a component part of the River Dee and Bala Lake SAC. It has been designated for its fluvial geomorphology, Carboniferous geology, range of river habitat types, saltmarsh transition habitats and populations of a range of fish, plants, mammals and invertebrates.

3.1.4 There is no obvious/ direct hydrological link between the River Dee and the survey site.

Non-statutory

3.1.5 There is one non-statutory protected site within the 1 km search area: Coed Y Camlas/ Canal Wood Wildlife Site (W232). This is located approximately 945 m to the west of the survey site at its closest point. The information provided with the Cofnod report (via Safleol[6]) describes it as follows: '*Semi-natural broad-leaved woodland on embankments either side of the canal.'*

3.1.6 There is one record of Ancient Semi-natural Woodland (ASNW) within the 1 km search area, and several records of both Plantation on Ancient Woodland Site (PAWS) and Restored Ancient Woodland Site (RAWS). None of these records are from the survey site or immediately adjacent land. The closest part of the ASNW record is approximately 730 m to the south-east; otherwise the nearest record is for RAWS approximately 450 m to the south.

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, 1a, 2, 3, 3a-c, 4, 6, 7, 7a-b, 9, 9a, 10 and 11 for the survey site, and 5, 8 and 8a for immediately adjacent land) are provided in *Section 5* and shown on *Figure 1*.

3.2.2 Phase 1 Habitat Survey data provided by Cofnod records the survey site as supporting 'buildings'. Cofnod also provides *Section 7* 'habitats of principal importance' records in the 1

[6] A Local Sites System for Wales

km search area, for: purple moorgrass and rush pastures, traditional orchard, and wood-pasture and parkland. None of these habitats are shown from the survey site/ immediately adjacent land. The closest of these resources to the survey site is an extensive area of 'wood-pasture and parkland' located approximately 235 m to the south at its closest point.

Trees, Scrub and Hedgerow

3.2.3 Narrow zones of retained vegetation, supporting trees/ shrubs and one hedgerow length, characterise some of the boundaries of the survey site/ adjacent to boundary fences: *Target Notes 1, 2, 3*/*a*/*c,* and *7.*

- *Target Note 1* comprises various scattered (young/ semi-mature) trees/ shrubs (the trees largely regrowing from 'pollarded' trunks), such as *Fraxinus excelsior* (Ash), *Salix* sp. (Willow), *Acer pseudoplatanus* (Sycamore), *Salix caprea* (Goat Willow), *Crataegus monogyna* (Hawthorn), and *Prunus spinosa* (Blackthorn).
- *Target Note 2* comprises a short section of remnant hedge to approximately 3 m high and wide, which appears unmanaged in the recent past. The woody component is dominated by *Corylus avellana* (Hazel), with frequent Ash, and occasional *Ilex aquifolium* (Holly), Hawthorn and *Rosa arvensis* (Field Rose), with the scrambler *Lonicera periclymenum* (Honeysuckle). The base is dominated by a carpet of Ivy.
- Tree/ shrub species at *Target Notes 3*/*a*/*c* include *Quercus robur* (Pedunculate Oak) (including a mature tree), *Ulmus* sp. (Elm), Ash, Sycamore (including two mature trees), Holly, Hawthorn, *Sambucus nigra* (Elder) and Hazel.
- *Target Note 7* includes young Sycamore, Ash, Hawthorn and *Ligustrum ovalifolium* (Garden Privet).



Narrow boundary of scattered trees and shrubs at *Target Note 1.*



Short section of retained hedge at *Target Note 2.*



Yellow star: short section of retained hedge at *Target Note 2.*

Red star: part of narrow zone of trees/ mature shrubs at *Target Note 3.*

3.2.4 At *Target Note 6*, a small stand of scattered and locally dense *Rubus fruticosus* agg. (Bramble) scrub occupies a small area of fenced land (not directly accessed). There is a line of young Ash trees (with associated Sycamore and Hawthorn) along the north-eastern boundary. This resource extends outside the survey site into adjacent school grounds.



Scattered and locally dense Bramble scrub at *Target Note 6.*

Tall-herb Vegetation

3.2.5 At *Target Note 1a* a small earth/ spoil mound is vegetated with a range of tall-ruderal and other plants such as *Urtica dioica* (Common Nettle), *Leucanthemum vulgare* (Oxeye Daisy), *Lapsana communis* (Nipplewort), *Rumex obtusifolius* (Broad-leaved Dock), *Geranium robertianum* (Herb-Robert), *Mycelis muralis* (Wall Lettuce), *Sonchus oleraceus* (Smooth sow-thistle), and *Calystegia sepium* (Hedge Bindweed).

Other Habitats

3.2.6 Other habitats/ features within the survey site are restricted to:

- A narrow strip of unmanaged 'neutral grassland' (considered likely to have resulted from unmown amenity grassland/ lawn) at *Target Note 10*;
- Developing ephemeral vegetation (*Target Notes 9, 9a* and *9b*) of various densities (often fairly sparse) growing in a variable substrate on previously cleared land. Although this vegetation can locally include a wide variety of plants, the resource is not considered notable overall;
- Two piles of soil/ spoil and wood chippings, which are variously vegetated (*Target Note 11*);
- A large mound of crushed stone;
- A small wooden shed at *Target Note 4* (the other 'building' shown on *Figure 1* is a metal shipping container);
- Fences; and
- Hard-standing/ bare ground.



Examples of ephemeral vegetation. Above: at *Target Note 9a.* Below: at *Target Note 9b.*



Immediately Adjacent Land

3.2.7 Habitats/ features noted on immediately adjacent land include:

- A small number of mature trees within the adjacent school grounds at *Target Note 8.*
- Ornamental planting (associated with *Target Note 5*); and
- Domestic buildings and gardens.

Flora

3.2.8 No notable plants were recorded during the survey (for example 'Locally Rare'/ 'Locally Scarce' or 'Locally Near Scarce' in Williams (2021), listed as above 'Least Concern' in Dines (2008)).

3.2.9 Two plants listed in *Schedule 9* of the *Wildlife and Countryside Act 1981* were recorded within/ immediately adjacent to the survey site:

- *Cotoneaster* cf. *simonsii* (Himalayan Cotoneaster). Three mature shrubs at *Target Notes 3b* and *7b,* and young plants at *Target Note 7a* (and *Target Note 8a* – possibly within the survey site). Frequent plants (of various sizes) also noted down a bank at *Target Note 8a* (adjacent to a carpark within the school grounds).
- *Cotoneaster horizontalis* (Wall Cotoneaster). Two mature shrubs located at the base of ornamental shrub planting, immediately adjacent to the survey site at *Target Note 5.*

3.2.10 None of the plant records provided by Cofnod are from within the survey site or immediately adjacent habitats. Notable records within the 1 km search area which may be of relevance (with either suitable habitat present in the survey site or on immediately adjacent land) include *Senecio cambrensis* (Welsh Groundsel) (listed as 'Locally Near Scarce' in Williams (2021). Welsh Groundsel is a plant endemic to North Wales, typically associated with waste ground, roadsides and cracks in walls/ pavements. It is possible that this species is present on the survey site. The nearest Cofnod record is from the B5070 (dated 2013) approximately 290 m southwest of the survey site.

3.2.11 Records of eight species of plant listed in *Schedule 9* of the *Wildlife and Countryside Act 1981* have been provided by Cofnod for the 1 km search area: a 2014 record for *Heracleum mantegazzianum* (Giant Hogweed), 2010 and 2014 records for *Impatiens glandulifera* (Himalayan Balsam), 1981, 1995, 2010, 2011 and 2012 records for *Reynoutria japonica* (Japanese Knotweed), a 2021 record for *Rosa rugosa* (Japanese Rose), 2014 and 2018 records for *Crocosmia* x *crocosmiiflora* (Montbretia), a 1981 record for *Rhododendron ponticum* (Rhododendron), a 2015 record for *Lamiastrum galeobdolon* subsp. *argentatum* (Variegated Yellow Archangel), and a 2021 record for *Cotoneaster horizontalis* (Wall Cotoneaster). With the exception of Montbretia, all these records are from adjacent 1 km grid squares to which the survey site is located. The Montbretia record is a four-figure grid reference labelled 'Chirk Green'.

3.2.12 Cofnod also supplied a small number of lower plant (bryophyte) and fungus records for adjacent 1 km grid squares.

3.3 Species/ Species Groups

Badgers

3.3.1 [redacted]

3.3.2 No setts or evidence of Badger was recorded during the Extended Phase 1 Habitat Survey. There are deemed to be negligible opportunities for Badger on the survey site. This is due to factors such as the largely open/ cleared character of the survey site, the limited boundary habitats and adjacent land uses.

Bats

3.3.3 Cofnod provided records for seven (species) of bat for within the 1 km search area: *Chiroptera*, Common Pipistrelle (*Pipistrellus pipistrellus*), *Pipistrelle*, *Pipistrelle* Bat, Daubenton's Bat (*Myotis daubentonii*), Lesser Horseshoe Bat (*Rhinolophus hipposideros*) and Noctule (*Nyctalus noctula).* Further information will not be provided here as they are included in the 'confidential' Cofnod report, however none of the records are located within 500 m of the survey site. The Lesser Horseshoe Bat record is from the same 1 km grid square as the survey site, however it is 'historic' (1985).

3.3.4 The wooden shed at *Target Note 4* does not provide any Potential roosting Features (PRFs).

3.3.5 Trees with bat roost potential are limited to a mature Pedunculate Oak at *Target Note 3a*, and two mature Sycamore's at *Target Note 3c.* All three trees have low bat roost potential.

3.3.6 The survey site, comprising a small parcel of land dominated by open bare ground/ hardstanding with peripheral developing ephemeral vegetation, and with narrow occasionally boundaries of trees/ shrubs/ a short retained hedgerow length is of limited [potential use to foraging bats – any potential value provided by the boundary vegetation may depend on external lighting associated with adjacent land uses such as the school and domestic houses. It provides a small, isolated area of land within a largely built up area. As such it is deemed to offer low potential value for commuting/ foraging bats (in accordance with Collins (2023)).

Great Crested Newts

3.3.7 Three Great Crested Newt records were provided by Cofnod for the 1 km search area. This comprises a cluster of three (1992 and 2006) records from to the south of the survey site, the closest of which is at an approximate distance of 375 m. Further information will not be provided here as they are included in the 'confidential' Cofnod report. Single records of both *Lissotriton vulgaris* (Smooth Newt) and *Lissotriton* were also provided (both in conjunction with Great Crested Newt record locations).

3.3.8 There is no aquatic habitat within/ immediately adjacent to the survey site. The survey site largely provides terrestrial habitats of negligible/ low potential value for amphibians (hard-standing/ bare ground, open ephemeral vegetation), although features of moderate/ high potential value (which could be used as refugia/ hibernacula) are occasional, such as the bases of boundary vegetation (trees, hedges, shrubs), discarded debris (rocks/ breeze blocks, wooden sleepers, rocks) and possibly the various spoil piles. However, the potential

presence of Great Crested Newts in terrestrial habitat is governed more by the proximity of a suitable breeding pond than by the quality of the terrestrial habitat.

3.3.9 An initial review of the OS map 1:25, 000 scale and relevant internet-based mapping including aerial photography[7] suggests that there are no waterbodies within approximately 250 m of the survey site, and only a single waterbody within 250-500 m, this being located in open farmland approximately 375 m to the south (with built development (housing) located in between). This pond is deemed to be the location of a Cofnod Great Crested Newt record. The actual presence of any waterbodies has not been confirmed by survey; it is possible that waterbodies are present in, for example, private gardens.

Reptiles

3.3.10 One reptile record was provided by Cofnod for the 1 km search area: a 2021 Slow-worm (*Anguis fragilis*) record from SJ290375, a location approximately 760 m southwest of the survey site.

3.3.11 The habitats that comprise the survey site are largely of negligible/ or at most low potential value for reptiles. Taking into account the small size of the site, the largely cleared character and its location within a largely built up area, the likelihood of reptiles being present is deemed to be negligible.

Birds

3.3.12 Cofnod provided a large number of bird records from within the 1 km search area, largely with four-figure grid references. There are no records for the survey site or immediately adjacent habitats. Records within the search area which are potentially relevant to the habitats supported by the survey site include Blue Tit (Cyanistes caeruleus), Dunnock (*Prunella modularis*), Goldfinch (*Carduelis carduelis*), Great Tit (*Parus major*), House Martin (*Delichon urbica*), House Sparrow (*Passer domesticus*), Long-tailed Tit (*Aegithalos caudatus*), Mistle Thrush (*Turdus viscivorus*), Song Thrush (*Turdus philomelos*), Starling (*Sturnus vulgaris*), Swift (*Apus apus*), and Wren (*Troglodytes troglodytes*). Both Swift and Starling were observed flying over and/ or utilising buildings adjacent to the survey site.

3.3.13 The survey site provides localised opportunities for shrub and tree nesting birds, associated with boundary habitats at *Target Notes 1, 2, 3, 3a, 3c, 6* and 7[8]. The eastern of the two Sycamore's at *Target Note 3c* supports an old wooden bird box. Dense external Ivy on the shed at *Target Note 4* could also support a nest.

Other Species

3.3.14 Cofnod provided a small number of butterfly and other invertebrate records for the 1 km search area, although none from the survey site or immediately adjacent habitats. Cofnod records the survey site as being within an 'Important Invertebrate Area'[9] (North East Wales)..

3.3.15 The habitats provided by the survey site are of limited potential for invertebrates, the ephemeral vegetation is deemed to be of fairly recent origin – it may provide a useful potential feeding source for pollinators.

[7] https://www.google.co.uk/maps/@53.0914916,-2.9278455,1019m/data=!3m1!1e3?entry=ttu
[8] It is possible that denser parts of the tall-herb vegetation at *Target Note 1a,* and occasional scattered shrubs within the internal area of the site, could also be utilised.
[9] https://www.buglife.org.uk/our-work/important-invertebrate-areas/

3.3.16 Other mammal records supplied by Cofnod are for: American Mink (*Neovison vison*), Grey Squirrel (*Sciurus carolinensis*), Hedgehog (*Erinaceus europaeus*), Otter (*Lutra lutra*) and Stoat (*Mustela erminea*),. There are no habitats within/ immediately adjacent to the survey site which could support Otter. Numerous Hedgehog records were provided (the latest being from 2024), the closest being from an approximate distance of 110 m. Hedgehog could utilise habitats on the boundaries of the survey site (including for foraging and hibernation (areas of shrubs/ trees/ scrub)).

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 protected sites, habitats and flora, and specific species groups in the section below. Potential impacts have been considered with reference to the information/ plans provided only. The assessment considers the survey site and immediately surrounding area.

4.1.2 *Section 4* of this report identifies existing (valued) ecological resources/ biodiversity and explains how these features will be maintained/ protected wherever possible. *Sub-section 4.3* proposes measures to achieve net benefit for biodiversity and confirms how these measures might be secured.

4.1.3 The conclusions and recommendations provided below have been discussed and agreed in principle with Emma Broad (WCBC Ecologist) by 'phone on 15/07/24.

4.2 Evaluation, Assessment and Recommendations

Protected Sites

4.2.1 No statutory or non-statutory protected sites would be directly impacted by the proposed development.

4.2.2 The closest statutory sites are the River Dee/ Afon Dyfrdwy SSSI/ River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC, the closest parts of which are located approximately 850 m from the survey site, and to which there are no obvious/ direct hydrological linkages. Coed Y Camlas/ Canal Wood Wildlife Site is located at an approximate distance of 945 m from the survey site.

4.2.3 Due to the nature of the proposal, the habitat within the survey site, and the distance to any statutory or non-statutory protected sites, no indirect impacts are anticipated[10].

4.2.4 No ancient woodland sites would be impacted.

Habitat

4.2.5 The survey site has largely been subject to clearance works. It includes the following habitat resources/ features:

- Narrow zones of retained boundary vegetation, supporting trees/ shrubs and one short hedgerow length (*Target Notes 1, 2, 3*/a/*c,* and *7*);

[10] Potential foul drainage/ sewerage impacts on the River Dee and Bala Lake SAC during the lifespan of the residential development are outside the scope of this report and should be dealt with separately within the planning submission.

- A small stand of scattered/ locally dense Bramble scrub/ associated young trees at *Target Note 6*;
- Tall-herb vegetation (*Target Note 1a*);
- A narrow strip of unmanaged 'neutral grassland' at *Target Note 10*;
- Developing ephemeral vegetation (*Target Notes 9, 9a* and *9b*);
- Two piles of variously vegetated soil/ spoil and wood chippings (*Target Note 11*);
- A large mound of crushed stone;
- A small wooden shed (*Target Note 4*) and a metal shipping container;
- Fences; and
- Hard-standing/ bare ground.

When the habitat resources listed above are considered individually and/ or as part of an ecological unit, they are considered to be of no more than site value[11,12] (due to their size, quality (disturbance *etc.*), and geographical location).

4.2.6 No further survey of the habitat within the survey site is currently considered necessary at this time. It is assumed that the proposed development would result in the permanent loss or modification of the following:

- The small stand of Bramble scrub/ associated young trees at *Target Note 6*;
- The tall-herb vegetation (*Target Note 1a*) and associated variously vegetated piles at *Target Note 11*;
- The narrow strip of grassland at *Target Note 10*;
- The ephemeral vegetation resource (*Target Notes 9, 9a* and *9b*);
- The wooden shed (*Target Note 4*)/ shipping container, and some fences; and
- Hard-standing/ bare ground (/ associated mound of crushed stone).

4.2.7 The loss/ modification of these habitats would not result in any significant impacts.

4.2.8 Habitats to be retained are limited to the narrow zones of boundary vegetation, supporting trees/ shrubs and one short hedgerow length (*Target Notes 1, 2, 3*/*a*/*c,* and *7*). The following mitigation/ avoidance measures (with regards habitats) should be implemented:

- 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 construction site boundaries (with retained boundary vegetation on the opposite side). It should be located at a sufficient distance from the retained resource to protect root zones. 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. It will be temporarily moved/ relocated to enable removal of 2 no. trees (Willow at T8/ *Target Note 1*, and Ash at 'G1'/ *Target Note 7*) as detailed in Tree Solutions (2024). This work will be completed with hand-tools only and will seek to avoid damage to the retained resource.
- Mature trees at *Target Notes 3a* and *3c* (along with trees on adjacent land at *Target Note 8*) are to retained and protected. This may require the installation of fencing.

[11] In accordance with CIEEM (2018).
[12] The habitat assemblage is not considered to fit the definition of the *Section 7* 'Open mosaic habitats on previously developed land'.

4.2.9 General best practice measures will be implemented during any preparatory and construction works to avoid any indirect impacts (*e.g*., dust, diffuse pollution, *etc*) on adjacent habitat. The general advice contained in the Guidance for Pollution Prevention (GPP) leaflets produced by SEPA, EA and the Environment and Heritage Service (Northern Ireland) will be adhered to, particularly the following:

- GPP1: Understanding Your Environmental Responsibilities - Good Environmental Practices.
- PPG6: Working at Construction and Demolition Sites.

Flora

4.2.10 No notable plants were recorded during the survey, and none are known from the survey site.

4.2.11 Two *Schedule 9* plants were recorded within/ immediately adjacent to the survey site: Himalayan Cotoneaster at *Target Notes 3b*, *7a, 7b* and *8a* (the later possibly within the survey site), and Wall Cotoneaster immediately adjacent to the survey site at *Target Note 5.* It is possible that none of these locations will be directly impacted. However as a precautionary approach it is recommended that appropriate control/ avoidance measures should be implemented prior to the commencement of site clearance/ construction works in order to avoid spreading these plants to any other site. It may be possible to pull or dig up these shrubs and place them all in a 'secure' location on site to decompose.

4.2.12 The proposed development would be undertaken in a largely pre-cleared area. As such the implementation of basic/ standard best practice biosecurity measures are recommended.

Fauna

Badgers

4.2.13 No setts or Badger evidence was recorded during the Extended Phase 1 Habitat Survey. There are deemed (currently) to be negligible opportunities for Badger on the survey site.

4.2.14 Should the development not be initiated within 12 months of the Extended Phase 1 Habitat Survey (June 2025), a suitably qualified ecologist should be consulted to determine whether it is deemed appropriate to undertake a precautionary check for setts in advance of any works.

Bats

4.2.15 There are no buildings/ structures within the survey site which are potentially suitable for bats. Three trees have low bat roost potential at *Target Notes 3a* and *3c.* These trees are to be retained with no (*e.g.* pruning) works understood to be proposed (Tree Solutions, 2024). As such no direct impacts on roosting bats are anticipated and no further survey is required. If it becomes necessary to fell or prune these trees, any such tree should be subject to an inspection in the first instance by a licensed bat ecologist to determine whether it contains any features of potential value for roosting bats, and, if present, whether further survey might be required. Any mitigation measures that may be required can be considered further to the completion of this survey.

4.2.16 The habitat resource provided by the survey site has been assessed as being of low potential value for foraging/ commuting bats. Potential (negative) impacts to foraging/ commuting bats likely to result from the habitat loss associated with the proposals are deemed to be negligible. No further survey or specific mitigation measures are considered

necessary at the current time. The habitat measures included in *Section 4.3* have the potential to enhance the potential foraging/ commuting/ roosting value of the survey site for bats, for example by the provision of a new native boundary hedgerow along the southern margin, and bat boxes mounted on the new dwellings.

4.2.17 Details on external lighting proposals, either permanent provision associated with the nine dwellings, or temporary requirements during the construction period, have not been provided to inform this report. Assuming that a sympathetic lighting arrangement is followed/ installed, as per best practice with regards bats (for example as detailed in Bat Conservation Trust and Institution of Lighting Professionals (2023)), no significant adverse impacts on bats (foraging/ commuting resources – retained, created or adjacent) are deemed likely to result.

Great Crested Newt

4.2.18 There is no aquatic habitat within/ immediately adjacent to the survey site. The survey site largely provides terrestrial habitats of negligible/ low potential value for amphibians (hard-standing/ bare ground, open ephemeral vegetation), although features of moderate/ high potential value (which could be used as refugia/ hibernacula) may occasionally be lost (for example discarded debris and possibly the various spoil piles.

4.2.19 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. The closest known waterbody that supports Great Crested Newts is at an approximate distance of 375 m (Cofnod record). This is the only known waterbody within 500 m and is located in open farmland with built development (housing) located in between. As such the survey site appears to be isolated from (known) ponds. There are no particular direct habitat linkages between the known pond/ Great Crested Newt record to the south/ and the site, and no particular reason why amphibians should disperse across the site.

4.2.20 As such the likelihood of Great Crested Newts utilising terrestrial habitats on the survey site is deemed to be negligible; this species will therefore be discounted and no further survey or mitigation measures are deemed to be warranted.

Reptiles

4.2.21 The survey site provides habitats of negligible/ or at most low potential value for reptiles. As the likelihood of reptiles being present is deemed to be negligible this species group will be discounted. No further survey or mitigation measures are deemed to be warranted.

Birds

4.2.22 Potential nesting habitat to be lost or modified as part of the proposal is limited to, Bramble scrub/ trees at *Target Note 6*, denser parts of the tall-herb vegetation at *Target Note 1a*, occasional scattered shrubs within the internal area of the site, and (dense external Ivy on) the shed at *Target Note 4.* The proposed development would not give rise to a significant impact on local bird populations. 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).

4.2.23 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 scrub/ shrubs/ tall-herbs, removal of the shed) outside the nesting period (March to August inclusive). Should any occupied nests be found during the works, 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.

4.2.24 If it is not possible to clear scrub/ shrubs/ tall-herbs, remove the shed outside the nesting season, all such areas should 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.

4.2.25 The habitat measures included in *Section 4.3* seek to provide compensation for the loss of/ enhancement to nesting habitat, for example by the provision of native boundary hedgerows, and bird boxes mounted on the new dwellings.

Other Species

4.2.26 No significant (adverse) impacts on any other species of conservation interest are anticipated.

4.2.27 Hedgehogs may utilise the survey site including for hibernation purposes (largely boundary habitats only which will not be directly impacted). Prior to the commencement of the site clearance/ construction works on the site the ecologist will undertake hand-searches as necessary.

4.2.28 Any Hedgehog that may be found (when not hibernating) would be moved to a similar, safe location within suitable habitat nearby. Ideally, this work should not be undertaken within the hibernation period (October/ November to March/ April). However, if it is necessary to undertake the work at this time periods of cold weather should be avoided. Should a hibernating Hedgehog be found, it should be covered back up and left where it is until the end of the hibernation period.

4.3 Enhancement Measures: Net Benefit for Biodiversity

Introduction

4.3.1 Technical Advice Note 5 (Nature Conservation and Planning) (Welsh Assembly Government, 2009) and Wrexham County Borough Council (2011) seek developments to achieve net biodiversity gain. The requirement to secure and maintain net benefit for biodiversity (NBB) (through enhancements) was reinforced in a letter issued by the Chief Planner (Welsh Government) to all planning departments in October 2019. NBB has been defined as '*the concept that development should leave biodiversity and ecosystems in a better state than before, through securing long term, measurable and demonstrable benefit, primarily on site*.'[13]

4.3.2 This was reiterated in a letter from the Minister for Climate Change to the Heads of Planning dated October 2023. An Annex[14] attached to this letter provided text to update Planning Policy Wales (PPW), which has been adopted in PPW 12 (Welsh Government 2024). Chapter 6 of PPW was updated as of 11/10/23 (and is now included in PPW 12), which provides '*further clarity .... on securing net benefit for biodiversity through the application of the step-wise approach, including the acknowledgement of off-site compensation measures*

[13] https://www.gov.wales/targeted-policy-changes-planning-policy-wales-net-benefit-biodiversity-and-ecosystems-resilience
[14] *Annex to Heads of Planning Letter Dated 11 October 2023: Addressing the Nature Emergency through the Planning System: Updated National Planning Policy for Chapter 6 of Planning Policy Wales*.

as a last resort, and, the need to consider enhancement and long-term management at each step.' NBB provision '*should be proportional to the extent and impact of development*' (CIEEM 2022).

4.3.3 WCBC (2011) lists '*examples of how enhancements could be achieved on development sites*'. The options provided include for '*planting native trees and shrubs of local provenance*', '*connecting existing habitats with species rich hedgerows*', and provision of '*roosting opportunities for bats*' and bird boxes. CIEEM (2022) states that '*a key requirement is that the measures put forward are suitable in the local context of the site*'. It is proposed to plant native hedgerows and trees, establish 'flowering' lawns/ a strip of wildflower grassland, and install bird and bat boxes, and a Hedgehog 'house'. The proposed compensation/ enhancements will therefore target habitats (wildflower grassland, hedgerow (a priority habitat under *Section 7* of the *Environment (Wales) Act 2016*)), and priority species/ species of nature conservation interest likely to be present at the site (nesting birds, bats, Hedgehogs (several species of which are priority species listed on *Section 7*)).

Biodiversity Enhancement Recommendations

4.3.4 The locations of the proposed enhancements as detailed below are indicated on 2 no. HB Architects Ltd plans reproduced in *Appendix 3*.

4.3.5 Where possible planting will utilise native species of certified British origin and ideally local provenance (Local Seed Zone 304).

Hedgerow Planting

4.3.6 It is proposed to plant a length of native species-rich hedgerow at the rear ends of gardens/ adjacent to the southern boundary ('D' on drawing no. 22/208_EL/02_RevF). This resource will be planted as staggered, double rows with four to five plants per metre. Drawing no. 22/208_EL/02_RevF indicates that the proposed mix will be Blackthorn, Hawthorn, *Acer campestre* (Field Maple) and Holly; Hazel should also be included in this mix. Otherwise, it may be appropriate to source a 'hedgerow tree pack' from the Woodland Trust[15] in which case the 'traditional mix' would be a suitable option. This includes Hawthorn, Blackthorn, Hazel, *Malus sylvestris* (Crab Apple), and Elder. If there is an option to include/ supplement with Holly this should be undertaken.

4.3.7 Bare-rooted forestry size transplants should be used with the individual plants being notch planted between November and March. They will be planted in accordance with the advice provided by the Woodland Trust[16]. The trees/ shrubs will need stakes and Rabbit guards.

Native Trees

4.3.8 Three native fruiting trees will be planted in the west of the site ('C' on drawing no. 22/208_EL/02_RevF), comprising Crab Apple, *Prunus cerasifera* (Cherry/ Myrobalan Plum) and *Sorbus aucuparia* (Rowan). These trees are all listed on the Royal Horticultural Society (RHS) guide to plants that are of value for pollinating insects[17].

4.3.9 Drawing no. 22/208_EL/02_RevF indicates that these will be planted as '15 litre' sizes; they will be planted between November and March in accordance with the advice provided by the supplier(s).

[15] https://shop.woodlandtrust.org.uk/hedgerow-tree-packs
[16] https://www.woodlandtrust.org.uk/plant-trees/advice/how-to-plant/
[17] https://www.rhs.org.uk/science/conservation-biodiversity/wildlife/plants-for-pollinators

4.3.10 The trees will be under-planted with spring- and autumn-flowering Crocus: *Crocus tommasinianus* (Early Crocus)[18] and *Crocus speciosus* (Autumn Crocus)[19]. Approximately fifty of each type of bulb will be planted (total approximately one hundred). Early Crocus flowers from February to March and will provide an important food source for early-flying insects. Autumn Crocus flowers from September to November and provides late foraging bees with an additional food source.

4.3.11 The bulbs should be planted in naturalistic drifts at a depth of approximately 5-10 cm with the shoots facing upwards. Individual bulbs should be at least 7-8 cm apart. Planting should be undertaken between early September to November. First flowering would be in the following year.

'Flowering' Lawn

4.3.12 The rear gardens of the properties will be sown with a seed mix[20] to enable the establishment of 'flowering' lawns (refer to drawing no. 22/208_EL/02_RevF).

4.3.13 An example mix is Meadowmania '*British Native Meadow Wildflower Seeds for Meadow Lawns*'[21]. This mix contains 12 native species of wildflower and seven native grasses. It is designed to create a diverse lawn that can tolerate close mowing to a height of 5 cm for most of the year. The mowing should be stopped for a period during the summer to allow for flowering. Flowering can be from May to September but mowing does not need to be stopped for this entire period. The seed should be sown in the spring (March-May) or the autumn (late August to October). Advice will be obtained from the supplier on ground preparation, how and when to sow. As it is a relatively small area it may be most appropriate to sow by hand. The recommended sowing rate is 4g/m^2.

Wildflower Grassland

4.3.14 'E' on drawing no. 22/208_EL/02_RevF indicates a strip of wildflower grassland to be established adjacent to the northern boundary of the site. Much of this strip is either devoid of vegetation or supports ephemeral plants developing on various substrates. It is proposed that this strip will be sown with the Phoenix Amenity Supplies/ British Flora *BFS14 – Brownfield Site Wildflower Mix*[22] which is specifically designed for brownfield sites. It is advertised as suitable for a range of free draining substrates often of post-industrial origin. It contains 80% wildflowers (of 20 species) and 20% grasses (of two species). The Phoenix Amenity Supplies Code of Practice confirms that they '*only grow British Native plants that are from fully known British provenance*'.

4.3.15 Advice will be obtained from the supplier on ground preparation, how and when to sow. As it is a relatively small, and narrow, area it may be most appropriate to sow by hand. The recommended sowing rate is 3g/m^2.

Shrub/ Perennial Borders

4.3.16 Drawing no. 22/208_EL/02_RevF indicates areas of shrub/ perennial planting to the front of the properties ('F'). The proposed species mix is as shown on the drawing and includes

[18] For example, https://www.crocus.co.uk/plants/_/crocus-tommasinianus/classid.1000000372/
[19] For example, https://www.crocus.co.uk/plants/_/crocus-speciosus/classid.1000000347/
[20] Should sowing not be deemed practicable, turf can also be purchased/ installed, for example from https://www.turfonline.co.uk/product-category/wildflower-turf/
[21] https://meadowmania.co.uk/products/wildflower-meadow-for-lawns
[22] https://grassandflower.co.uk/phoenix-amenity-supplies/store/products/bfs-14-brownfield-site-wildflower-mix-open-mosaic-habitat-on-previously-developed-land-80-flora/

plants that are of value for pollinating insects (footnote 17), or otherwise to a range of wildlife.

Bat and Bird Boxes

4.3.17 All the proposed boxes as detailed below will be installed under the direction of a suitably qualified ecologist to ensure correct installation. On installation the location of each box will be photographed and recorded using a hand-held GPS, with a final plan prepared indicating the locations.

4.3.18 All boxes will be built-in/ integral to the dwellings. It is understood (Elate Construction, *pers. comm*.) that the dwellings will comprise timber frames with a wall cavity of 50 mm. The box schedule proposed below has been developed in consultation with Elate Construction in relation to this information, as well as with due consideration of British Standard (BS) 42021:2022 (2023). Boxes should not be sited above windows or doors. Where possible, the specific installation/ design will adhere to the principles as shown in BS 42021:2022, however it is recognised that site specific construction solutions will need to be found to accommodate some of the boxes (refer below).

4.3.19 The following bat boxes are proposed to be installed (as shown on drawing no. 22/208_EL/03_RevG):

- 3 no. Vivara PRO UK Build-in WoodStone Bat Box[23]. To be installed on the southern elevations of Units 2, 8, and 9. This integral box has been specifically designed to fit into the cavity of house walls, with the entrance sitting flush with the outside bricks. The top section is 50 mm deep.
- 3 no. Unitura Modular Bat Tubes (2 layer with entrance)[24]. To be installed on the southern elevations of Units 1, 7, and 9. This is an integral box, with a two-layer internal crevice design. It is proposed that these boxes would sit flush with the wall/ extending into the wall cavity (and would not be faced with brick or other material).

4.3.20 The bat boxes will be sited as shown on drawing no. 22/208_EL/03_RevG: as high as possible on the wall/ just below the roof/ soffit level, but no lower than 3 m from the ground. Boxes should generally face south, southwest and southeast wherever possible (so that they are not overly exposed). Generally, the bat-boxes should be located in the darkest area possible, away from artificial light sources. The boxes require minimal maintenance.

4.3.21 The following bird boxes are proposed to be installed (as shown on drawing no. 22/208_EL/03_RevG):

- 6 no. Galvanised Steel AfS S-Brick [Brick Slip Facing 50 mm Cavity] (Action for Swifts)[25]. These are described as comprising '*a galvanised steel nest chamber, a cloakboard (cement-fibreboard) floor and a fireproof sealant ..... are fully compliant with BS 40421:2022 for nesting boxes*'. To be installed in pairs, as high as possible, on the eastern elevations of Units 1 and 9, and the southern elevation of Units 5/6. Designed for 50 mm cavities and therefore applicable to these dwellings. These boxes require minimal maintenance.

[23] For example, https://www.nhbs.com/build-in-woodstone-bat-box-uk-brick-size
[24] For example, https://www.nhbs.com/modular-bat-tube
[25] https://www.actionforswifts.com/galvanised-steel-s-brick

- 2 no. 1SP Sparrow Terrace[26]. To be built in/ integrated into the wall, as high as possible, on the eastern elevation of Unit 3, and the northern elevation of Unit 9. Due to the size of these boxes/ the available cavity depth, it is likely that these boxes will protrude from the wall.
- 2 no. Unitura Integrated Starling Box[27]. To be built in/ integrated into the wall, as high as possible, on the eastern elevations of Unit 5 and 7. Due to the size of these boxes/ the available cavity depth, it is likely that these boxes will protrude from the wall; it may be appropriate for specific brick 'features' to be constructed for these boxes.

4.3.22 The bird boxes will be installed out of reach, as high off the ground (min 3 m or more) as possible (whilst remaining accessible by ladder), and should be located somewhere between (facing) north through east to southeast; avoiding prevailing winds and direct sunlight where possible.

4.3.23 Where enabled as part of their design, bird boxes should be subject to checking/ cleaning out on an annual basis; refer below.

Hedgehog House

4.3.24 A hedgehog house[28] will be installed in a dense area of existing shrub/ tree vegetation/ adjacent to the boundary fence in the north-western corner of the site ('HB' on drawing no. 22/208_EL/02_RevF).

Maintenance and Monitoring

4.3.25 The importance of securing long-term management/ maintenance and monitoring is central to the NBB approach (*e.g.,* CIEEM 2022). This should also be proportional to the scale and impact of the development.

<u>All Planting</u>

4.3.26 Once the trees and hedgerow have been planted, an area of at least 1 m^2 around them should be kept weed-free. This will be achieved either through the use of mulch mats or the appropriate application of glyphosate-based herbicides (such as Roundup) during the growing season. This maintenance operation should be undertaken once a year for the first 3 years. Watering may also need to be undertaken during establishment. Any losses will be replaced.

<u>Native Trees</u>

4.3.27 Once the tree resource is successfully established, no long-term management is likely to be required.

4.3.28 The grass areas where Crocus have been planted (under native trees) should not be cut until the Crocus leaves have died back. The planted area will need to be defined with some kind of marker posts to minimise the possibility of inadvertent mowing. The grass in the planted area will need to be cut when the Crocus plants have died back, *e.g*. during the summer.

4.3.29 If Squirrels become a problem (eating the bulbs) chicken wire may need to be installed over the bulbs. This would also prevent dogs from digging them up.

[26] For example, https://www.nhbs.com/1sp-schwegler-sparrow-terrace
[27] For example, https://www.nhbs.com/integrated-starling-box
[28] For example, https://www.nhbs.com/hedgehog-nest-box

Hedgerow

4.3.30 The young plants within the hedgerow should be cut back in the first year to approximately one-third of their height to promote bushy growth.

4.3.31 A well-established hedge will require trimming from about the sixth year. The hedge shape should be 1.8-2 m high and at least 1.8-2 m wide. Once established, the requirement for annual management should be reviewed. If possible, the top and sides of the boundary hedgerows could be left uncut every other year. Otherwise cutting should be undertaken after January but before March. Once established the hedge should be laid every 10-30 years between mid-November and early March. The best time to lay the hedge would be when stem growth reaches between 5-10 cm diameters at the base.

Flowering Lawn

4.3.32 An appropriate management regime will be reviewed after the flowering lawn has become established. It is likely that a greater amount of management will be required during the establishment phase. Advice on appropriate management should be sought from the supplier.

Wildflower Grassland

4.3.33 Advice on appropriate management would be sought from the supplier. It is likely that the greatest amount of management will be required during the establishment phase.

Shrub/ Perennial Borders

4.3.34 Once established, these should be subject to standard wildlife friendly garden management practices.

Bat and Bird Boxes

4.3.35 The bird boxes should be inspected annually and the Sparrow boxes cleaned if necessary[29, 30]. This can be undertaken by the housing occupants. Where applicable, all maintenance should be carried out when the last bird has left the nest-box; at least October. Nest-boxes should be cleaned in late-autumn (late October/ November). At least 2 to 3 weeks should be allowed after fledging before undertaking any cleaning. The *Wildlife and Countryside Act 1981*, as amended states that cleaning should only be carried out between 1st August and 31st January and that any eggs present should be destroyed immediately. All nest material should be completely removed and disposed of safely along with any other debris. To ensure that parasite build-up is controlled the inside of the nest-box should be cleansed with boiling water. Care should be taken when opening nest-boxes as it is possible that they could be inhabited by bees, wasps or even bats.

4.3.36 It is important to remember that once discovered, a bat roost is legally protected and must not be disturbed. If a bat roost is suspected to be present a suitably qualified bat consultant or the Clwyd Bat Group[31] should be contacted and may need to undertake the annual maintenance operations detailed above. To discover whether a bat-box is being used they can be watched at dusk during the summer to see if any bats emerge or a search can be conducted beneath the box entrance for the characteristic crumbly bat droppings. Again,

[29] The Swift box design doesn't allow for cleaning. In general, Swift boxes don't need cleaning out unless they've been used by other bird species – Swifts leave their boxes ready for the following year.
[30] The Starling box design doesn't allow for cleaning.
[31] http://www.clwydbatgroup.com/

should it be necessary to inspect the bat-box an appropriately licensed individual may be required to undertake this work. Occasionally a bat-box may be used by nesting birds. If this is the case it should be cleaned as per the procedure outlined above.

4.3.37 The bat boxes do not require annual maintenance (cleaning out). However, it is good practice in late autumn to early spring, to carefully brush the entrances and to remove any build-up of dust, dirt or cobwebs that could block the openings. This can also be undertaken for the Swift and Starling boxes.

4.3.38 The use of any of the bird boxes should be recorded during the nesting season (March to August inclusive). Where possible a record should be maintained of which bat boxes have been utilised and by what species. Records of nesting birds/ bats should be submitted to Cofnod[32] (the Local Environmental Records Centre for North Wales).

Hedgehog House

4.3.39 The Hedgehog house does not require annual maintenance, other than checking it is in situ and fit for purpose. Where possible a record should be maintained of its use, with any such records submitted to Cofnod.

[32] https://www.cofnod.org.uk/Home

5 TARGET NOTES

Target Note 1. A narrow (1-2 m) zone of retained vegetation/ substrate adjacent to a boundary fence. Various (young/ semi-mature) trees/ shrubs are scattered along this zone (the trees largely regrowing from 'pollarded' trunks); species include *Fraxinus excelsior* (Ash), *Salix* sp. (Willow), *Acer pseudoplatanus* (Sycamore), *Salix caprea* (Goat Willow), *Crataegus monogyna* (Hawthorn), and *Prunus spinosa* (Blackthorn). The base has been frequently disturbed, with exposed coal evident; there is frequently a carpet of *Hedera helix* (Ivy), otherwise a range of characteristic shade-tolerant and/ or opportunistic plants.

Target Note 1a. A small earth/ spoil mound which is vegetated with a range of tall-ruderal and other plants such as *Urtica dioica* (Common Nettle), *Leucanthemum vulgare* (Oxeye Daisy), *Lapsana communis* (Nipplewort), *Rumex obtusifolius* (Broad-leaved Dock), *Geranium robertianum* (Herb-Robert), *Mycelis muralis* (Wall Lettuce), *Sonchus oleraceus* (Smooth sow-thistle), and *Calystegia sepium* (Hedge Bindweed). For ease it has been mapped as tall ruderal on *Figure 1.*

Target Note 2. A short section of remnant hedge occupying a narrow zone of retained vegetation/ substrate adjacent to the survey site boundary. It is to approximately 3 m high and wide and appears unmanaged in the recent past. The woody component is dominated by *Corylus avellana* (Hazel), with frequent Ash, and occasional *Ilex aquifolium* (Holly), Hawthorn and *Rosa arvensis* (Field Rose), with the scrambler *Lonicera periclymenum* (Honeysuckle). The base appears to have been disturbed and is dominated by a carpet of Ivy.

Target Note 3. A narrow zone of trees/ mature shrubs either side of a fence (which is taken to be the survey site boundary). Only the vegetation within the survey site has been mapped on *Figure 1.* Tree/ shrub species include *Quercus robur* (Pedunculate Oak), *Ulmus* sp. (Elm), Ash, Sycamore, Holly, Hawthorn, *Sambucus nigra* (Elder) and Hazel. The base has been disturbed; it is frequently characterised by a carpet of Ivy, with scattered shade-tolerant plants including *Mercurialis perennis* (Dog's-Mercury).
A mature Pedunculate Oak at *Target Note 3a* comprises a double-trunked tree characterised by dense Ivy which extends into the canopy. The Diameter at Breast Height (Dbh) is hard to determine – the largest trunk may have an approximate Dbh of 0.6 m. There is localised/ frequent dead wood in the canopy, however no particular Potential Roosting Features (PRFs) for bats were observed. Two adjacent mature Sycamore trees at *Target Note 3c* are each multi-trunked, supporting dense Ivy; Dbh's unknown. These trees have low bat roost potential. The eastern of the two Sycamore's supports an old wooden bird box.
Target Note 3b comprises a single mature *Cotoneaster* cf. *simonsii* (Himalayan Cotoneaster) shrub located adjacent to a boundary fence.

Target Note 4. A small wooden shed, open on one side, and in a poor state of repair. Externally it locally supports dense Ivy. The mapping of this feature on *Figure 1* should be considered indicative only.

Target Note 5. [Outside the survey site]. Two mature *Cotoneaster horizontalis* (Wall Cotoneaster) shrubs located at the base of ornamental shrub planting, immediately adjacent to the survey site.

Target Note 6. Scattered and locally dense *Rubus fruticosus* agg. (Bramble) scrub occupying a small area of fenced land (not directly accessed). There is a line of young Ash trees (with associated Sycamore and Hawthorn) along the north-eastern boundary. This resource extends outside the survey site into adjacent school grounds.

Target Note 7. Various young trees/ shrubs on/ immediately adjacent to a fenced boundary, including Sycamore, Ash, Hawthorn and *Ligustrum ovalifolium* (Garden Privet).
Target Note 7a comprises a single young Himalayan Cotoneaster, and *Target Note 7b* two mature Himalayan Cotoneaster shrubs, all located in the edge vegetation/ immediately adjacent to the survey site boundary fence.

Target Note 8. [Outside the survey site]. A small number of mature trees outside the survey site/ within the adjacent school grounds. These trees were not accessed directly; some may have low bat roost potential.
Target Note 8a [Outside the survey site] comprises a single Himalayan Cotoneaster sapling located near the base of a *Taxus baccata* (Yew)/ on the opposite side of a line of heras fencing (although it may be within the survey site boundary). Frequent Himalayan Cotoneaster plants (of various sizes) were noted down a bank at this location/ adjacent to a carpark within the school grounds.

Target Note 9. Developing ephemeral vegetation of various densities (often fairly sparse) growing in a variable substrate on previously cleared land.
An example of dense growth is at *Target Note 9a* with plants recorded including: *Ranunculus repens* (Creeping Buttercup), *Epilobium ciliatum* (American Willowherb), Smooth Sow-thistle, *Polygonum aviculare* (Common Knotgrass), *Juncus bufonius* (Toad Rush), *Primula vulgaris* (Primrose), *Trifolium repens* (White Clover), Herb-Robert, *Matricaria discoidea* (Pineappleweed), *Euphorbia peplus* (Petty Spurge), *Tussilago farfara* (Colt's-foot), *Galium aparine* (Cleavers), *Anisantha sterilis* (Barren Brome), *Plantago major* (Greater Plantain), *Cerastium glomeratum* (Sticky Mouse-ear), *Alliaria petiolata* (Garlic Mustard), *Medicago lupulina* (Black Medick), Oxeye Daisy, *Holcus lanatus* (Yorkshire-fog), *Arrhenatherum elatius* (False Oat-grass), Nipplewort, *Sisymbrium officinale* (Hedge Mustard), *Poa annua* (Annual Meadow-grass), *Cardamine hirsuta* (Hairy Bitter-cress), *Elymus repens* (Common Couch), low-growing/ incipient Bramble, Common Nettle, *Vicia hirsuta* (Hairy Tare) and *Lysimachia arvensis* (Scarlet Pimpernel).
Another distinct area at *Target Note 9b* supports plants such as Nipplewort, *Chamerion angustifolium* (Rosebay Willowherb), False Oat-grass, Sticky Mouse-ear, *Scorzoneroides autumnalis (Autumn Hawkbit), Common Knotgrass, American Willowherb, Prunella vulgaris (Selfheal), Cleavers, Toad Rush, Carex pendula (Pendulous Sedge), Bramble, Hairy Tare, Pilosella officinarum (Mouse-ear Hawkweed), Herb-Robert, Baren Brome, Smooth Sow-thistle, Hypochaeris radicata* (Cat's-ear), and *Senecio viscosus* (Sticky Groundsel).

Target Note 10. A narrow strip of unmanaged 'neutral grassland' (considered likely to have resulted from unmown amenity grassland/ lawn). The sward comprises Yorkshire-fog, *Poa pratensis* (Smooth Meadow-grass), *Agrostis capillaris* (Common Bent), False Oat-grass and *Festuca rubra* (Red Fescue), with Hairy Tare, *Trifolium pratense* (Red Clover), Selfheal, *Jacobaea vulgaris* (Common Ragwort), Primrose, Cat's-ear, *Cirsium vulgare* (Spear Thistle) and *Trifolium repens* (White Clover).

Target Note 11. Two areas marked on *Figure 1* as 'other habitat' comprise piles of soil/ spoil and wood chippings, which are variously vegetated.

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7 DATA

Table 1 – Vascular plant species recorded within the survey site during the Extended Phase 1 Habitat Survey

Plant Species	*Heracleum sphondylium* (Hogweed)
Acer pseudoplatanus (Sycamore)	*Holcus lanatus* (Yorkshire-fog)
Betula pendula (Silver Birch)	*Hypericum* cf. *maculatum* (Imperforate St.John's-wort)
Corylus avellana (Hazel)	*Hypochaeris radicata* (Cat's-ear)
Cotoneaster cf. *simonsii* (Himalayan Cotoneaster)	*Iris foetidissima (*Stinking Iris)
Crataegus monogyna (Hawthorn)	*Jacobaea vulgaris* (Common Ragwort)
Fraxinus excelsior (Ash)	*Juncus bufonius* (Toad Rush)
Ilex aquifolium (Holly)	*Lapsana communis* (Nipplewort)
Laburnum sp. (a Laburnum)	*Leucanthemum vulgaris* (Oxeye Daisy)
Ligustrum ovalifolium (Garden Privet)	*Linaria purpurea* (Purple Toadflax)
Prunus avium (Wild Cherry)	*Lolium perenne* (Perennial Rye-grass)
Prunus spinosa (Blackthorn)	*Lonicera periclymenum* (Honeysuckle)
Rosa arvensis (Field Rose)	*Lysimachia arvensis* (Scarlet Pimpernel)
Rosa canina agg. (Dog-rose)	*Matricaria discoidea* (Pineappleweed)
Quercus robur (Pedunculate Oak)	*Medicago lupulina* (Black Medick)
Salix sp. (Willow)	*Mercurialis perennis* (Dog's-Mercury)
Salix caprea (Goat Willow)	*Mycelis muralis* (Wall Lettuce)
Sambucus nigra (Elder)	*Myosotis arvensis* (Field Forget-me-not)
Taxus baccata (Yew)	*Pilosella aurantiaca* (Fox and Cubs)
Ulmus sp. (an Elm)	*Pilosella officinarum* (Mouse-ear Hawkweed)
	Plantago lanceolata (Ribwort Plantain)
Aegopodium podagraria (Ground Elder)	*Plantago major* (Greater Plantain)
Agrostis capillaris (Common Bent)	*Poa annua* (Annual Meadow-grass)
Alliaria petiolata (Garlic Mustard)	*Poa pratensis (Smooth Meadow-grass)*
Anisantha sterilis (Barren Brome)	*Polygonum aviculare (Common Knotgrass)*
Aquilegia sp. (a Columbine)	*Primula vulgaris* (Primrose)
Arrhenatherum elatius (False Oat-grass)	*Prunella vulgaris* (Selfheal)
Arum maculatum (Lords-and-Ladies)	*Ranunculus repens* (Creeping Buttercup)
Calystegia sepium (Hedge Bindweed)	*Rubus fruticosus* agg. (Bramble)
Cardamine hirsuta (Hairy Bitter-cress)	*Rumex obtusifolius* (Broad-leaved Dock)
Carex pendula (Pendulous Sedge)	*Rumex sanguineus* (Wood Dock)
Cerastium fontanum (Common Mouse-ear)	*Sagina procumbens* (Procumbent Pearlwort)
Cerastium glomeratum (Sticky Mouse-ear)	*Scorzoneroides autumnalis (Autumn Hawkbit)*
Chamerion angustifolium (Rosebay Willowherb)	*Senecio viscosus* (Sticky Groundsel)

Cirsium arvense (Creeping Thistle)	*Senecio vulgaris* (Groundsel)
Cirsium vulgare (Spear Thistle)	*Sisymbrium officinale* (Hedge Mustard)
Dactylis glomerata (Cock's-foot)	*Solanum dulcamara* (Bittersweet)
Dryopteris filix-mas (Male-fern)	*Sonchus oleraceus* (Smooth Sow-thistle)
Elymus repens (Common Couch)	*Stachys sylvatica* (Hedge Woundwort)
Epilobium ciliatum (American Willowherb)	*Tanacetum parthenium* (Feverfew)
Epilobium hirsutum (Great Willowherb)	*Taraxacum* sect. *Ruderalia* (Common Dandelion)
Epilobium montanum (Broad-leaved Willowherb)	*Trifolium dubium* (Lesser Trefoil)
Erigeron canadensis (Canadian Fleabane)	*Trifolium pratense* (Red Clover)
Euphorbia cf. *esula* (Leafy Spurge)	*Trifolium repens* (White Clover)
Euphorbia peplus (Petty Spurge)	*Tripleurospermum inodorum* (Scentless Mayweed)
Festuca rubra (Red Fescue)	*Tussilago farfara* (Colt's-foot)
Fumaria cf. *muralis* (Common Ramping-fumitory)	*Urtica dioica* (Common Nettle)
Galium aparine (Cleavers)	*Valerianella locusta* (Common Cornsalad)
Geranium dissectum (Cut-leaved Crane's-bill)	*Veronica arvensis* (Wall Speedwell)
Geranium robertianum (Herb-Robert)	*Veronica persica* (Common Field-speedwell)
Geum urbanum (Wood Avens)	*Vicia hirsuta* (Hairy Tare)
Hedera helix (Common Ivy)	*Vulpia myuros* (Rat's-tail Fescue)

8 APPENDIX 1 - SPECIES-SPECIFIC LEGISLATION

8.1 Introduction

8.1.1 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.

8.1.2 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.

8.2 Badger

8.2.1 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.

8.3 Bats

8.3.1 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*).

8.3.2 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.

8.3.3 Several species of bat are included on *Section 7* of the *Environment Act 2016*.

8.3.4 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.

8.4 Birds

8.4.1 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*.

8.4.2 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.

8.4.3 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.

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

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

Cofnod

Cartref data bywyd gwyllt ar gyfer Gogledd Cymru
The home of wildlife data for North Wales

Cofnod Environmental Information Search (PUBLIC VERSION)

Our Reference	CO/E12600
Your Reference	C550
Requested By	Max Ellson, Marches Ecology LLP
Data Users	Max Ellson, Partner, Marches Ecology LLP; Tom Knight, Partner, Marches Ecology LLP; Paul Trickett, Elate Construction Ltd; Lowri Antrobus, Elate Cosntruction Ltd
Search Date	13/06/2024 10:40
Expiry Date	13/12/2024 (may be extended on request)
Search Type	Chargeable

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Important Information

- 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 (13/12/2024).
- Past records of presence of a habitat or species do not guarantee continued occurrence; absence of records does not imply absence of a species, merely that no records are held by Cofnod; Cofnod cannot guarantee the accuracy of supplied data; copyright of records remains with the original recorder.
- The Dataset ID associated with each record can be used to find information about the provenance of the data. See the Cofnod Metadata page for more information.
- Verification Levels are given for each record and indicate whether the record has been assessed by an expert.
- Please contact us if you have any questions about using the data or wish to add further Data Users.

Notes

- Records with 1km, 2km, 5km, 10km or 100km grid references (where present) are highlighted with, for example, (1km) next to the distance to indicate that the distance should not be considered to be exact given the vague nature of the grid reference.
- Records shown in **bold** typeface are sensitive species records, and some details have been restricted in this public version of the report.

Verification Levels

- **UA:** Unassessed
- **PC:** Probably Correct
- **KC:** Known Correct
- **NA:** Not Required

Species Categories

- **All Other Species:** Any species not included in other categories
- **Category 1 Species:** Species with European and/or UK Legal Protection, Section 7 Species or UK BAP Priority Species
- **Category 2 Species:** Global Red List, British Red Data Book, Nationally Rare & Scarce, Welsh Red and Amber Birds & Welsh Red Data Lists, not identified in Category 1
- **Category 3 Species:** Local species not identified under Categories 1 & 2, Locally Important species as specified by local experts

Abbreviations

BAP - UK Biodiversity Action Plan Priority Species, **BDir1** - EU Birds Directive Annex 1 - Birds which are the subject of special conservation measures, **BDir2.1** - EU Birds Directive Annex 2.1 - Birds which may potentially be hunted, **BDir2.2** - EU Birds Directive Annex 2.2 - Birds which may potentially be hunted within certain member states, **Bern1** - Bern Convention on the Conservation of European Wildlife and Natural Habitats, Appendix 1 - Strictly protected flora species, **Bern2** - Bern Convention on the Conservation of European Wildlife and Natural Habitats, Appendix 2 - Strictly protected fauna species, **Bern3** - Bern Convention on the Conservation of European Wildlife and Natural Habitats, Appendix 3 - Protected fauna species, **Bern3-App3** - Bern Convention - Appendix 3, **Bonn2** - Bonn Convention on the Conservation of Migratory Species of Wild Animals, Appendix 2 - Migratory Species to be the subject of agreements, **CHEGD** - Grassland fungi (CHEGD) species, **CHS2** - The Conservation of Habitats and Species Regulations 2010, Schedule 2 - European Protected Species of Animals, **CHS5** - The Conservation of Habitats and Species Regulations 2010, Schedule 5 - European Protected Species of Plants, **CITES-A** - Convention on International Trade in Endangered Species, Annex A - Species threatened with extinction, **CITES-B** - Convention on International Trade in Endangered Species, Annex B - Species that may become extinct unless trade is closely controlled, **GBNNSIP** - Great Britain Non-native Species Inventory Portal Checklist of Non-native Species, **HDir2** - Habitats Directive, Annex II - Species requiring designation of Special Areas of Conservation, **HDir4** - Habitats Directive, Annex IV - Species in need of strict protection, **INNS** - Invasive Non-native Species, **INNS-IAS** - The Invasive Alien Species (Enforcement and Permitting) Order 2019: Species of Special Concern, **INNS-W** - Invasive Non-native Species (INNS) of Interest to Wales, **LBAP-A** - Anglesey Local Biodiversity Action Plan, **LBAP-C** - Conwy Local Biodiversity Action Plan, **LBAP-D** - Denbighshire Local Biodiversity Action Plan, **LBAP-E** - Eryri National Park Authority Local Biodiversity Action Plan, **LBAP-F** - Flintshire Local Biodiversity Action Plan, **LBAP-G** - Gwynedd Local Biodiversity Action Plan, **LBAP-T** - North and Mid Wales Trunk Road Agent Biodiversity Action Plan, **LBAP-**

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W - Wrexham Local Biodiversity Action Plan, **LI-BR-48[LR]** - Bryophyte Rarity List for Vice-County 48: Merionethshire (Locally rare), **LI-BR-49[LR]** - Bryophyte Rarity List for Vice-County 49: Caernarvonshire (Locally rare), **LI-BR-50[LR]** - Bryophyte Rarity List for Vice-County 50: Denbighshire (Locally rare), **LI-BR-51[LR]** - Bryophyte Rarity List for Vice-County 51: Flintshire (Locally rare), **LI-BR-52[LR]** - Bryophyte Rarity List for Vice-County 52: Anglesey (Locally rare), **LI-VP-48[LR]** - Rare Plant Register for Vice-County 48: Merionethshire (Locally Rare), **LI-VP-48[LS]** - Rare Plant Register for Vice-County 48: Merionethshire (Locally Scarce), **LI-VP-49[LR]** - Rare Plant Register for Vice-County 49: Caernarvonshire (Locally Rare), **LI-VP-49[LS]** - Rare Plant Register for Vice-County 49: Caernarvonshire (Locally Scarce), **LI-VP-50[LNS]** - Rare Plant Register for Vice-County 50: Denbighshire (Locally near scarce), **LI-VP-50[LR]** - Rare Plant Register for Vice-County 50: Denbighshire (Locally rare), **LI-VP-50[LS]** - Rare Plant Register for Vice-County 50: Denbighshire (Locally scarce), **LI-VP-51[LR]** - Rare Plant Register for Vice-County 51: Flintshire (Locally rare), **LI-VP-51[LS]** - Rare Plant Register for Vice-County 51: Flintshire (Locally scarce), **LI-VP-52[LR]** - Rare Plant Register for Vice-County 52: Anglesey (Locally Rare), **LI-VP-52[LS]** - Rare Plant Register for Vice-County 52: Anglesey (Locally Scarce), **LI-VP-52[PX]** - Rare Plant Register for Vice-County 52: Anglesey (Possibly or Probably Extinct), **PBA** - Protection of Badgers Act 1992, **RDB-NB** - Red Data Book listing (not based on IUCN guidelines) - Notable B, **RDB-NR** - Red Data Book listing (not based on IUCN guidelines) - Nationally Rare, **RDB-NS** - Red Data Book listing (not based on IUCN guidelines) - Nationally Scarce, **RL-CR** - IUCN Red List of Threatened Species - Critically Endangered, **RL-DD** - IUCN Red List of Threatened Species - Data Deficient, **RL-EN** - IUCN Red List of Threatened Species - Endangered, **RL-NT** - IUCN Red List of Threatened Species - Near Threatened, **RL-PX** - IUCN Red List of Threatened Species - Possibly Extinct, **RL-VU** - IUCN Red List of Threatened Species - Vulnerable, **S7** - Environment (Wales) Act 2016 (Section 7), **UKBA** - RSPB/BTO Birds of Conservation Concern - Amber list (not based on IUCN criteria), **UKBR** - RSPB/BTO Birds of Conservation Concern - Red list (not based on IUCN criteria), **WBA** - RSPB/BTO Birds of Conservation Concern in Wales - Amber list (not based on IUCN criteria), **WBR** - RSPB/BTO Birds of Conservation Concern in Wales - Red list (not based on IUCN criteria), **WCA1.1** - Wildlife & Countryside Act 1981 Schedule 1.1 - Birds which are protected at all times, **WCA5** - Wildlife & Countryside Act 1981 Schedule 5 - Animals which are protected, **WCA8** - Wildlife & Countryside Act 1981 Schedule 8 - Plants which are protected, **WCA9** - Wildlife & Countryside Act 1981 Schedule 9 - Animals and plants which may not be released/planted or allowed to escape/grow in the wild, **WRL-RU[DD]** - Rust Fungus Red Data List and Census Catalogue for Wales (Data Deficient), **WRL-TM[NT]** - IUCN compliant Red List for Britain's Terrestrial Mammals (Near Threatened), **WRL-TM[VU]** - IUCN compliant Red List for Britain's Terrestrial Mammals (Vulnerable), **WRL-VP[CR]** - Vascular Plant Red Data List for Wales (Critically Endangered), **WRL-VP[NT]** - Vascular Plant Red Data List for Wales (Near Threatened), **WRL-VP[VU]** - Vascular Plant Red Data List for Wales (Vulnerable)

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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 should not be released into the Public Domain.
Species Name	Name of the taxon (usually identified to species level) using the binomial system.
Grid Reference	Grid reference based on the Ordnance Survey grid system.
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 the LERC directly.
Abundance	Number of individuals recorded. Where not specified it is assumed that at least one was present.
Record Type	A description of the type of record.
Site Name	The site name (if one has been supplied). For any Sensitive Species Records, this cannot be released into the Public Domain.
Notes	Any additional notes about the sighting. 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	An indicator showing the level of confidence held in the record's correct identification.

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Dataset Information

The records in these results are drawn from the following datasets. Use the Dataset ID next to each record to find its dataset.

Dataset ID	Title	Acknowledgements	Type
D0026/279/01	Records captured from CCW regional files - CCW File M1.1.4.2 - North Wales - Amphibian Survey and Monitoring	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0059/001/03	North Wales badger records held by Clwyd Badger Group (including some historic data) - CBG Historic sett data	Clwyd Badger Group (clwydbadgergroup@btinternet.com)	Species
D0059/009/01	North Wales badger records held by Clwyd Badger Group (including some historic data) - Badger road traffic accidents recorded by CBG, imported from spreadsheet	Clwyd Badger Group (clwydbadgergroup@btinternet.com)	Species
D0062/008/01	Vice-County dataset - Bird records from Flintshire and Denbighshire Vice-counties (50 and 51) - All records up to 2018	Ian M Spence (Clwyd Bird Recording Group)	Species
D0137/001/01	Great Crested Newt (Triturus cristatus) Sites in Wales	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0216/001/03	Miscellaneous species records held by Denbighshire County Council (records to 2004)	Cyngor Sir Ddinbych/Denbighshire County Council	Species
D0217/001/04	Welsh Invertebrate Database (WID) - Records from within the Cofnod boundary	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0346/001/01	eBird records - 2020 records from Cofnod area	Cornell Lab of Ornithology	Species
D0346/002/01	eBird records - 2021 records from Cofnod area	Cornell Lab of Ornithology	Species
D0346/003/01	eBird records - Records from Cofnod area between 2011 and 2019	Cornell Lab of Ornithology	Species
D0346/005/01	eBird records - Records from Cofnod area between 1800 and 2000	Cornell Lab of Ornithology	Species
D0346/006/01	eBird records - 2022 records from Cofnod area	Cornell Lab of Ornithology	Species
D0346/007/01	eBird records - 2023 records from Cofnod area	Cornell Lab of Ornithology	Species
D0821/001/01	Rare Flowering Plant and Fern Data/Rare Plants Database	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0969/001/05	Miscellaneous species records submitted to rECOrd	rECOrd	Species
D1072/001/02	Mammal records from Britain from the Atlas of Mammals (1993), with some subsequent records	Biological Records Centre (NBN Download)	Species
D1075/001/06	Bryophyte data for Great Britain from the British Bryological Society held by BRC: Atlas 2014 - North Wales data	British Bryological Society (NBN download 04/12/2019)	Species
D1097/002/04	Ladybird Survey of the UK - Data from the Cofnod area	Bioogical Records Centre	Species
D1117/001/01	ad hoc Cofnod Online Recording System records	Individual Recorder(s)	Species

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D1122/001/01	ANON - HERPETOFAUNA CONSULTANTS INTERNATIONAL, 1992: "Crested Newt Survey of North-East Clwyd. A report to the Countryside Council for Wales (September 1992)". - Great Crested Newt data	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1122/002/01	ANON - HERPETOFAUNA CONSULTANTS INTERNATIONAL, 1992: "Crested Newt Survey of North-East Clwyd. A report to the Countryside Council for Wales (September 1992)". - Non Great Crested Newt data	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1153/001/02	MORGAN, P., 2004: "Current and potential distribution, condition and breeding success of the Otter (Lutra lutra) in the River Dee catchment. CCW research and monitoring project (Contract no: FC 72-02-56)". Unpublished report - Excel data	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1169/004/04	Vice-County dataset - Vascular plant records from Denbighshire Vice-county (50). - Complete dataset	Delyth Williams (BSBI Vice County Recorder)	Species
D1192/009/01	Fungi records made by Debbie Evans, including personal records and ones recorded as part of various surveys. - Fungi records 2007 - 2022	Debbie Evans	Species
D1297/021/01	BirdTrack records - 2016 records from within the Cofnod boundary	British Trust for Ornithology & Individual recorders	Species
D1297/025/01	BirdTrack records - 2004-2018 data from Vice-Counties 50 & 51 (Denbighshire & Flintshire)	Ian M. Spence and British Trust for Ornithology	Species
D1297/026/01	BirdTrack records - 2019 data from Vice-County 50 (Denbighshire)	Ian M. Spence and British Trust for Ornithology	Species
D1297/039/01	BirdTrack records - 2020 records for Vice-County 50 (Denbighshire)	Ian M. Spence and British Trust for Ornithology	Species
D1297/042/01	BirdTrack records - 1900-2003 records for Vice-County 50 Denbighshire	Ian M. Spence and British Trust for Ornithology	Species
D1297/047/01	BirdTrack records - 2021 records from within the Cofnod boundary (excluding Meirionnydd)	Julian Hughes & British Trust for Ornithology	Species
D1297/050/01	BirdTrack records - 2022 records for Vice-County 50 (Denbighshire)	Ian M. Spence & British Trust for Ornithology	Species
D1297/051/01	BirdTrack records - 2023 records from within the Cofnod boundary (excluding Meirionnydd)	Julian Hughes & British Trust for Ornithology	Species
D1373/001/05	Historic Vice-County dataset - Butterfly records from Denbighshire and Flintshire Vice-counties (50 and 51)	David Hinde	Species
D1383/001/01	Hedgehog records submitted to Cofnod via their Online Recording System	Individual Recorders, and North Wales Local Biodiversity Action Plan partnerships.	Species
D1408/001/01	Senecio cambrensis records made in 2010 and 2011 during fieldwork for MSc Biological Recording dissertation on the status of Senecio cambrensis.	Lucy Boyett	Species
D1486/001/01	Natural Resources Wales North Wales Bat Roosts	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species

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D1528/001/02	BASC mink cull records - Records from April 2011 - end March 2014	British Association for Shooting and Conservation	Species
D1586/010/01	Miscellaneous species records collected as part of the Dee Invasive Non-Native Species Project - Welsh Dee Trust Himalayan Balsam & Japanese Knotweed Survey	Welsh Dee Trust & Dee Invasive Non-Native Species Project	Species
D1586/013/01	Miscellaneous species records collected as part of the Dee Invasive Non-Native Species Project - Balsam & Knotweed locations collected by Welsh Dee Trust, 2012	Welsh Dee Trust & Dee Invasive Non-Native Species Project	Species
D1638/002/01	iRecord data from the Cofnod area (Unassessed records) - Records downloaded 11/03/2024 (passing automatic checks)	iRecord and individual recorders	Species
D1643/001/01	Butterfly distributions for the UK 2010-2014 from Butterfly Conservation and the Biological Records Centre - Records not already held by Cofnod (VCs 50 & 51)	Butterfly Conservation (NBN download)	Species
D1683/002/01	National Bat Monitoring Programme Waterway Survey - Records from the Cofnod area, received September 2022	Bat Conservation Trust	Species
D1684/001/04	National Bat Monitoring Programme Roost Count - Records from the Cofnod area, received March 2020	Bat Conservation Trust	Species
D1688/004/01	Big Hedgehog Map records - Records from 2010 to January 2020	People's Trust for Endangered Species	Species
D1688/009/01	Big Hedgehog Map records - Records from 2022	People's Trust for Endangered Species	Species
D1748/001/01	Miscellaneous species records collected by Tom Knight (personal records)	Tom Knight	Species
D1844/005/03	iRecord data for the Cofnod area (Verified records) - Records downloaded 11/03/2024 (verified on iRecord)	iRecord and Individual Recorders	Species
D1847/001/01	Hogwatch and Rural Landowner surveys	People's Trust for Endangered Species	Species
D1852/001/01	RSPB Big Garden Birdwatch winter sightings in the UK in 2008 - 2008 records	RSPB (NBN Download, 16/01/2019)	Species
D1852/002/01	RSPB Big Garden Birdwatch winter sightings in the UK in 2008 - 2009 records	RSPB (NBN Download, 16/01/2019).	Species
D1907/001/02	Shropshire Ecological Data Network database	Shropshire Ecological Data Network (NBN download, 24/11/2020)	Species
D1923/001/01	Natural Resources Wales (NRW) Licence Return Dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales (NBN Download, 05/12/2019)	Species
D1931/001/01	Environment Agency England and Wales (2012) Non-native Species records v1	Environment Agency (NBN Download, 09/01/2020)	Species
D1986/001/01	Non-avian taxa (BTO/JNCC/RSPB partnership)	British Trust for Ornithology (NBN download, 25/11/2020)	Species
D0220/009/01	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites

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D0220/009/02	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/03	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/04	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/05	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/06	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/07	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/08	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/09	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/10	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/11	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/12	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Sites
D0220/009/13	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number AC0000849444. Crown Copyright and Database Right.	Sites
D0220/012/01	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/02	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/03	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/04	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/05	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites

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D0220/012/06	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Contains Natural Resources Wales information; Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number AC0000849444. Crown Copyright and Database Right.	Sites
D0220/012/07	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number AC0000849444. Crown Copyright and Database Right.	Sites
D0220/013/01	GIS Datasets for Protected Sites in Wales - Listed Buildings	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0220/013/02	GIS Datasets for Protected Sites in Wales - Listed Buildings	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), 09/05/2023, licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0220/013/03	GIS Datasets for Protected Sites in Wales - Listed Buildings	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), 14/02/2024, licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0220/014/01	GIS Datasets for Protected Sites in Wales - Scheduled Monuments	Welsh Government	Sites
D0220/014/02	GIS Datasets for Protected Sites in Wales - Scheduled Monuments	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), 09/05/2023, licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0220/014/03	GIS Datasets for Protected Sites in Wales - Scheduled Monuments	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), 14/02/2024, licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D1377/001/01	Wildlife Site boundaries for Wales	Various	Sites
D1377/001/02	Wildlife Site boundaries for Wales	Relevant Welsh Local Authorities and Local Wildllife Trusts, Cofnod, BIS and SEWBReC	Sites
D1377/001/03	Wildlife Site boundaries for Wales	Relevant Welsh Local Authorities and Local Wildllife Trusts, Cofnod, BIS and SEWBReC	Sites
D1377/001/04	Wildlife Site boundaries for Wales	Various	Sites
D2073/001/01	Important Invertebrate Areas	Buglife	Sites
D0157/002/01	Phase 1 Habitat Survey of Wales 1979-1997 - GIS layer showing habitats as polygons and using the phase 1 codes to identify the habitat category	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Habitats

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D1006/004/01	Ancient Woodland Inventory 2021 - 2021	Cyfoeth Naturiol Cymru/Natural Resources Wales	Habitats
D1006/004/02	Ancient Woodland Inventory 2021 - 2021	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Habitats
D1793/002/01	Ancient Tree Inventory - Habitat	Ancient Tree Inventory - Woodland Trust - Date Accessed 06/10/2021	Habitats
D2082/001/01	Environment (Wales) Act Section 7 Terrestrial Habitats of Principal Importance - WELSH GOVERNMENT, 2016: "Environment (Wales) Act 2016: Section 7 List of Habitats of Principal Importance".	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Habitats
D2082/001/02	Environment (Wales) Act Section 7 Terrestrial Habitats of Principal Importance - WELSH GOVERNMENT, 2016: "Environment (Wales) Act 2016: Section 7 List of Habitats of Principal Importance".	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number AC0000849444. Crown Copyright and Database Right.	Habitats

Contact Us

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Tel: 01248 847456 **Email:** contactus@cofnod.org.uk **Website:** www.cofnod.org.uk **Facebook:** facebook.com/Cofnod **Twitter:** twitter.com/Cofnod **Instagram:** instagram.com/cofnod_lerc

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Search Location	Grid Reference
Former Coal Yard, Land to the Rear of Ingleby, Chirk Green	SJ29353826

Category 1 Species										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Acanthis cabaret (Lesser Redpoll / Llinos Bengoch Fechan)	SJ2938	02/12/2017	Steven Davies	6		Chirk	Birdtrack. Brynkinalt Country Park	D1297/025/01	BAP, LBAP-C, LBAP-D, S7, WBR	PC
Acanthis cabaret (Lesser Redpoll / Llinos Bengoch Fechan)	SJ2837 *(Approximate)*	19/05/2021	Dr Anne Brenchley	10		SJ2837 Chirk SW		D1297/047/01	BAP, LBAP-C, LBAP-D, S7, WBR	UA
Alcedo atthis (Kingfisher / Glas y Dorlan)	SJ2937 *(Approximate)*	13/09/1992	J Speake	1		Chirk Bank/Shrops Union Canal		D1297/042/01	BDir1, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, WBA, WCA1.1	PC
Anguis fragilis (Slow-worm / Neidr Ddefaid)	SJ290375 *(Selected from Interactive Map)*	29/05/2021	Hannah Parkinson	2		Chirk	Both alive and went into wall.	D1117/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	KC
***Chiroptera* (Bat / Ystlum)**	SJ2837	**19/07/1999**	**Anon**	**0**		**-Withheld-**	**-Withheld-**	D1486/001/01	**Bern2, Bonn2, CHS2, HDir4, LBAP-T, WCA5**	**NA**
***Chiroptera* (Bat / Ystlum)**	SJ2937	**28/08/1990**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**Bern2, Bonn2, CHS2, HDir4, LBAP-T, WCA5**	**NA**
***Chiroptera* (Bat / Ystlum)**	SJ2837	**15/08/2021**	**Recorder name undisclosed**	**2**	**Bat detector**	**-Withheld-**	**-Withheld-**	D1683/002/01	**Bern2, Bonn2, CHS2, HDir4, LBAP-T, WCA5**	**NA**
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ2837	5 records, between 24/01/2009 and 03/08/2015	Anon; Recorder Name withheld (obsr183978); Recorder Name withheld (obsr215723); Recorder Name withheld (obsr425544); Recorder Name withheld (obsr200324)	6; 1		Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16441942-105771665	D1852/002/01, D0346/003/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ3038	02/12/2017	Steven Davies	3		Chirk, E	BirdTrack	D1297/025/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	PC
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ2939	07/06/2015	Lee Barber	1		Chirk, N	Bird Track	D1297/025/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	PC
***Coenonympha pamphilus* (Small Heath / Gweirlöyn Bach y Waun)**	SJ	**2 records, both on 15/07/2013**	**Nigel Douglas**	**3; 3 Adult**		**-Withheld-**	**-Withheld-**	D1643/001/01, D1373/001/05	**BAP, LBAP-G, RL-NT, S7**	**NA**
Dryobates minor (Lesser Spotted Woodpecker / Cnocell Fraith Leiaf)	SJ287378	25/03/1978	Recorder Name withheld (obsr1895407)	1		Chirk	calling	D0346/005/01	BAP, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-EN, S7, UKBR, WBR	PC
Erinaceus europaeus (Hedgehog / Draenog)	SJ291376	1979	Barton, H.R.			Chirk		D1072/001/02	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2938	2005	Anon					D1847/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Erinaceus europaeus (Hedgehog / Draenog)	SJ29193813 *(Selected from Interactive Map)*	30/03/2019	Hannah Parkinson	1 Adult	Live Sighting	Maes y Waun, Chirk	One hedgehog regularly seen on this housing estate, Mae y Waun. Friends have images.	D1383/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	PC
Erinaceus europaeus (Hedgehog / Draenog)	SJ293385	17/08/2017	Anon - PTES Volunteer		Live Sighting	Walden Cres		D1688/004/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ289390	29/07/2018	Anon - PTES Volunteer		Dead on road	B5070		D1688/004/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ291389	09/10/2019	Anon - PTES Volunteer		Live Sighting	John St		D1688/004/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ29043809 *(Selected from Interactive Map)*	21/07/2020	Tom Knight	1	Dead on road	B5070		D1748/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	UA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2837	31/12/2016	Anon.			Chirk Bank		D1907/001/02	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ29213856 *(Selected from Interactive Map)*	19/08/2020	Tracy Pierce	1 Juvenile	Live Sighting	Coronation Drive, Chirk, LL14 5LE		D1383/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Erinaceus europaeus (Hedgehog / Draenog)	SJ29073861 *(Selected from Interactive Map)*	24/10/2020	Tracy Pierce	1 Adult	Live Sighting	Coronation Drive, Chirk		D1383/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	UA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2913038926	22/10/2022	Anon - PTES Volunteer		Live Sighting	North View, Chirk		D1688/009/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2949438184	18/07/2022	Anon - PTES Volunteer		Live Sighting	Myddleton Terrace, Chirk		D1688/009/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2900737735	11/06/2022	Anon - PTES Volunteer		Live Sighting	Chirk		D1688/009/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2865438013	24/05/2022	Anon - PTES Volunteer		Live Sighting	Cadbury factory, Station Avenue, Chirk.		D1688/009/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2918238878	27/04/2022	Anon - PTES Volunteer		Dead	John street, chirk		D1688/009/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2906938912	08/04/2022	Anon - PTES Volunteer		Live Sighting	Charles street chirk		D1688/009/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Erinaceus europaeus (Hedgehog / Draenog)	SJ29013839	02/02/2024	Margaret Thompson	1				D1638/002/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ29043789	12/07/2020	Karen Littleford	1				D1638/002/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ2937	2 records, between 16/08/2011 and 22/09/2012	Jeffrey, Sue			Chirk	Additional information available on iRecord	D1844/005/03	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ290388	29/06/2013	norman, kim			chirk	Additional information available on iRecord	D1844/005/03	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA
Falco tinnunculus (Kestrel / Cudyll Coch)	SJ2839	01/06/2015	John Bishop Murray	1		Chirk, NW	Bird track. perched on lamp post	D1297/025/01	Bern2, Bonn2, CITES-A, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, S7, UKBA, WBR	PC
Falco tinnunculus (Kestrel / Cudyll Coch)	SJ2939	2 records, both on 01/07/2019	Recorder Name withheld (obsr1337544); Recorder Name withheld (obsr961233)	1		A5, Wrexham GB-Wales		D0346/003/01	Bern2, Bonn2, CITES-A, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, S7, UKBA, WBR	UA
Ficedula hypoleuca (Pied Flycatcher / Gwybedog Brith)	SJ29163766 *(Selected from Interactive Map)*	05/06/2021	Hannah Parkinson	2		Chirk Church yard	Feeding chicks in nest box, have more photos of this. Male is ringed.	D1117/001/01	Bonn2, LBAP-C, LBAP-E, LBAP-G, RL-VU, S7, UKBA, WBR	KC
Ficedula hypoleuca (Pied Flycatcher / Gwybedog Brith)	SJ2837 *(Approximate)*	19/05/2021	Dr Anne Brenchley			SJ2837 Chirk SW	Breeding details: Occupied nest (ON)	D1297/047/01	Bonn2, LBAP-C, LBAP-E, LBAP-G, RL-VU, S7, UKBA, WBR	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ficedula hypoleuca (Pied Flycatcher / Gwybedog Brith)	SJ2937 *(Approximate)*	19/05/2021	Mr Christopher Twigg	1		SJ2937 St Marys Churchyard, Chirk	Male	D1297/047/01	Bonn2, LBAP-C, LBAP-E, LBAP-G, RL-VU, S7, UKBA, WBR	UA
Fringilla montifringilla (Brambling / Pinc y Mynydd)	SJ2938	12/01/2014	Tony Jaques	1		Chirk	BirdTrack	D1297/025/01	LBAP-C, WCA1.1	PC
Hyacinthoides non-scripta (Bluebell / Clychau'r Gog)	SJ2837	13/08/2014	Denbs Group (Williams, D.)			Chirk South		D1169/004/04	LBAP-A, LBAP-C, LBAP-E, LBAP-F, LBAP-T, WCA8	NA
Hyacinthoides non-scripta (Bluebell / Clychau'r Gog)	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LBAP-A, LBAP-C, LBAP-E, LBAP-F, LBAP-T, WCA8	NA
Hyacinthoides non-scripta (Bluebell / Clychau'r Gog)	SJ2838	13/03/2018	Swindells, S.			Chirk	Llangollen Canal South	D1169/004/04	LBAP-A, LBAP-C, LBAP-E, LBAP-F, LBAP-T, WCA8	NA
Hyacinthoides non-scripta (Bluebell / Clychau'r Gog)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LBAP-A, LBAP-C, LBAP-E, LBAP-F, LBAP-T, WCA8	NA
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ2938	02/12/2017	Steven Davies	2		Chirk	BirdTrack	D1297/025/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ2939	07/06/2015	Lee Barber	4		Chirk, N	Bird Track	D1297/025/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	PC
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ2837	01/01/2019	Mr Dave Hunter	2		Richard Burbage, Wrexham LL14 5RL, United Kingdom, null		D1297/026/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	PC
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ2937	02/02/2019	Mr Christopher Twigg	3		SJ2937 St Marys Churchyard, Chirk	Flying overhead	D1297/026/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	PC
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ299385	11/08/2023	Recorder Name withheld (obsr1823160)	1		Chirk Bypass, Wales		D0346/007/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	UA
Linaria cannabina (Linnet / Llinos)	SJ3038	28/05/2017	Neil Hughes	3		Chirk, E	BirdTrack. Activty: P	D1297/025/01	BAP, Bern2, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-NT, S7, UKBR, WBR	PC
Lissotriton	SJ29503787	15/06/1992	Anon - Herpetofauna Consultants International				Sex stage: Egg	D1122/002/01	Bern3, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ29653753 *(Supplied by Original Recorder (Checked))*	10/04/2006	Anon	1 Female		Abergele		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Loxia curvirostra (Crossbill / Gylfingroes)	SJ2837	25/10/2012	Anon	3		Chirk, SW	BirdTrack. Activty: F	D1297/025/01	Bern2, LBAP-C, WCA1.1	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Luronium natans (Floating Water-plantain / Llyriad-y-Dwr Arnofiol)	SJ2937 *(Approximate)*	1954	Anon			Shropshire Union Canal		D0821/001/01	BAP, Bern1, CHS5, HDir2, HDir4, LBAP-C, LBAP-D, LBAP-E, LBAP-G, LBAP-T, LI-VP-48[LS], LI-VP-49[LS], LI-VP-50[LR], LI-VP-52[PX], RDB-NS, S7, WCA8	NA
Luronium natans (Floating Water-plantain / Llyriad-y-Dwr Arnofiol)	SJ2837	26/07/1959	Gordon, Miss V.			Llangollen Canal at Chirk		D1907/001/02	BAP, Bern1, CHS5, HDir2, HDir4, LBAP-C, LBAP-D, LBAP-E, LBAP-G, LBAP-T, LI-VP-48[LS], LI-VP-49[LS], LI-VP-50[LR], LI-VP-52[PX], RDB-NS, S7, WCA8	NA
Lutra lutra **(Otter / Dyfrgi)**	SJ2937	**16/03/2001**	**Anon - CCW**			**-Withheld-**	**-Withheld-**	D1153/001/02	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**NA**
Lutra lutra **(Otter / Dyfrgi)**	SJ2937	**16/03/2001**	**Anon - CCW**			**-Withheld-**	**-Withheld-**	D1153/001/02	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**NA**
Lutra lutra **(Otter / Dyfrgi)**	SJ2937	**16/03/2001**	**Anon - CCW**			**-Withheld-**	**-Withheld-**	D1153/001/02	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**NA**
Lutra lutra **(Otter / Dyfrgi)**	SJ2937	**16/03/2001**	**Anon - CCW**			**-Withheld-**	**-Withheld-**	D1153/001/02	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**NA**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lutra lutra (Otter / Dyfrgi)	SJ2937	4 records, between 06/11/2003 and 19/01/2013	Phillip Llewelyn Morgan; Paul Roberts; Anon.; Geen, Ms V.			-Withheld-	-Withheld-	D1923/001/01, D1907/001/02	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	NA
Lutra lutra (Otter / Dyfrgi)	SJ2837	2 records, between 06/11/2003 and 10/10/2010	Phillip Llewelyn Morgan; Roberts, Paul Jon			-Withheld-	-Withheld-	D1923/001/01, D1907/001/02	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	NA
Meles meles (Badger / Mochyn Daear)	SJ2837	19/02/2006	Clwyd Badger Group		Badger Sett	-Withheld-	-Withheld-	D0059/001/03	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA	NA
Meles meles (Badger / Mochyn Daear)	SJ2937	17/04/2003	Clwyd Badger Group		Badger Sett	-Withheld-	-Withheld-	D0059/001/03	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA	NA
Meles meles (Badger / Mochyn Daear)	SJ2938	25/07/2018	Anon	1	Dead on road	-Withheld-	-Withheld-	D0059/009/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA	NA
Meles meles (Badger / Mochyn Daear)	SJ2837	24/12/2020	Cutts, Andrew			-Withheld-	-Withheld-	D1638/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA	NA
Milvus milvus (Red Kite / Barcud)	SJ2839	23/04/2014	Dave Hunter	1		Chirk, NW	BirdTrack	D1297/025/01	BDir1, Bonn2, CITES-A, LBAP-C, LBAP-G, WBA, WCA1.1, WCA9	PC
Muscicapa striata (Spotted Flycatcher / Gwybedog Mannog)	SJ2837	03/08/2015	Recorder Name withheld (obsr200324)	1		Chirk Tunnel North Side		D0346/003/01	BAP, Bern2, Bonn2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBR, WBR	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Mustela erminea (Stoat / Carlwm)	SJ3039	24/06/1999	Anon					D1986/001/01	Bern3, Bern3-App3, LBAP-A, LBAP-C, LBAP-F, WRL-TM[NT]	NA
Mustela erminea (Stoat / Carlwm)	SJ296372	04/05/2018	tudor, jane			chirk castle	Additional information available on iRecord	D1844/005/03	Bern3, Bern3-App3, LBAP-A, LBAP-C, LBAP-F, WRL-TM[NT]	NA
Myotis daubentonii **(Daubenton's Bat / Ystlum y Dwr)**	SJ2837	**2 records, between 15/08/2021 and 29/08/2021**	**Recorder name undisclosed**	**30; 23**	**Bat detector**	**-Withheld-**	**-Withheld-**	D1683/002/01	**Bern2, Bonn2, CHS2, HDir4, LBAP-C, LBAP-D, LBAP-F, LBAP-G, WCA5**	**NA**
Nyctalus noctula **(Noctule / Ystlum Mawr)**	SJ2939 ***(Supplied by Original Recorder)***	**09/07/2003**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**BAP, Bern2, Bonn2, CHS2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, WCA5**	**NA**
Pandion haliaetus **(Osprey / Gwalch y Pysgod)**	SJ23	**08/09/2016**	**Dave Hunter**	**1**		**-Withheld-**	**-Withheld-**	D1297/025/01	**BDir1, Bonn2, CITES-A, LBAP-G, RL-NT, UKBA, WBA, WCA1.1**	**PC**
Passer domesticus (House Sparrow / Aderyn y To)	SJ29203769 *(Selected from Interactive Map)*	05/01/2019	Kit Twigg	1 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ2939	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135380-139494195; Occurrence ID: NBN-GA000656-BGBW2009-16442067-106609162	D1852/001/01, D1852/002/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ2938	3 records, between 26/01/2008 and 02/12/2017	Anon; Steven Davies			Wrexham Denbighshire;Chirk	Occurrence ID: NBN-GA000567-BGBW2008-22135395-139608899; Occurrence ID: NBN-GA000656-BGBW2009-16442005-106608915; BirdTrack	D1852/001/01, D1852/002/01, D1297/025/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Passer domesticus (House Sparrow / Aderyn y To)	SJ2837 *(Approximate)*	10 records, between 26/01/2008 and 19/05/2021	Anon; C Alder; Ian M Spence; Andy Cawthray; Dr Anne Brenchley			Wrexham Denbighshire;Chirk, SW;SJ2837 Chirk SW	Occurrence ID: NBN-GA000567-BGBW2008-22135365-139550434; Occurrence ID: NBN-GA000656-BGBW2009-16441887-106608913; Birdtrack; Bird Track. Activty: S	D1852/001/01, D1852/002/01, D1297/025/01, D1297/047/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC, UA
Passer domesticus (House Sparrow / Aderyn y To)	SJ3039	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135416-139325782; Occurrence ID: NBN-GA000656-BGBW2009-16442800-106609027	D1852/001/01, D1852/002/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ2937 *(Approximate)*	15 records, between 26/01/2008 and 21/06/2023	Anon; Mr Christopher Twigg	6; 2; 5; 1; 3; 4		Wrexham Denbighshire;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000567-BGBW2008-22135393-139505777; Occurrence ID: NBN-GA000656-BGBW2009-16442004-106609055	D1852/001/01, D1852/002/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC, UA
Passer domesticus (House Sparrow / Aderyn y To)	SJ3038	3 records, between 25/06/2010 and 02/12/2017	Neil Hughes; Steven Davies	24; 10	Reported to recorder	Chirk, E	Roving. Activity: FF. Survey: Observer data; BirdTrack; BirdTrack. Activty: N	D0062/008/01, D1297/025/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	NA, PC
Passer montanus (Tree Sparrow / Golfan y Mynydd)	SJ2837 *(Approximate)*	17/04/2022	Miss Angharad Seabury	5		Chain Bank, Castle Road,Chirk Green		D1297/050/01	BAP, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
***Pipistrellus* (Pipistrelle Bat species)**	SJ2939	**09/07/2003**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**Bern2, Bonn2, CHS2, HDir4, S7, WCA5**	**NA**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Pipistrellus **(Pipistrelle Bat species)**	SJ2937	**31/07/2002**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**Bern2, Bonn2, CHS2, HDir4, S7, WCA5**	**NA**
Pipistrellus pipistrellus **(Common Pipistrelle)**	SJ2939	**2 records, between 06/08/1987 and 14/07/1998**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, WCA5**	**NA**
Pipistrellus pipistrellus **(Pipistrelle / Ystlum Lleiaf)**	SJ2939	**1987**	**Schofield, Henry**			**-Withheld-**	**-Withheld-**	D1072/001/02	**Bern2, Bern3, Bonn2, CHS2, HDir4, LBAP-C, S7, WCA5**	**NA**
Pipistrellus pipistrellus **(Pipistrelle / Ystlum Lleiaf)**	SJ2937	**2 records, between 08/06/2005 and 17/06/2005**	**Recorder Name Undisclosed**	**620; 680**	**Bat Roost**	**-Withheld-**	**-Withheld-**	D1684/001/04	**Bern2, Bern3, Bonn2, CHS2, HDir4, LBAP-C, S7, WCA5**	**NA**
Poecile montanus (Willow Tit / Titw'r Helyg)	SJ2937 *(Approximate)*	20/11/2021	Mr Christopher Twigg	1		SJ2937 St Marys Churchyard, Chirk		D1297/047/01	BAP, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-EN, S7, UKBR, WBR	PC
Poecile palustris (Marsh Tit / Titw'r Wern)	SJ3039	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442800-106734530	D1852/002/01	BAP, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Poecile palustris (Marsh Tit / Titw'r Wern)	SJ2837	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16441942-106734628	D1852/002/01	BAP, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Poecile palustris (Marsh Tit / Titw'r Wern)	SJ2838	06/05/2019	Mr Dale Hardgrave	1		Chirk		D1297/026/01	BAP, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ2937 *(Approximate)*	17 records, between 24/01/2009 and 26/12/2023	Anon; Mr Christopher Twigg	2; 1; 3		SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442004-106179701	D1852/002/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/051/01	BAP, Bern2, LBAP-C, S7, UKBA	PC, UA
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442066-106179803	D1852/002/01	BAP, Bern2, LBAP-C, S7, UKBA	PC
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442130-106179371	D1852/002/01	BAP, Bern2, LBAP-C, S7, UKBA	PC
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ2837 *(Approximate)*	16 records, between 24/01/2009 and 19/05/2021	Anon; C Alder; Lee Barber; Ian M Spence; Andy Cawthray; Dave Hunter; Mr Dave Hunter; Dr Anne Brenchley; Recorder Name withheld (obsr200324)	2; 1		Chirk, SW;castle road Chirk;Castle road;Richard Burbage, Wrexham LL14 5RL, United Kingdom, null;SJ2837 Chirk SW;Chirk Tunnel North Side	Occurrence ID: NBN-GA000656-BGBW2009-16441886-106179520; Birdtrack; BirdTrack; Bird Track. Activty: S	D1852/002/01, D1297/025/01, D1297/026/01, D1297/047/01, D0346/003/01	BAP, Bern2, LBAP-C, S7, UKBA	PC, UA
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ3038	2 records, between 25/06/2010 and 28/05/2017	Neil Hughes	3; 2	Reported to recorder	Chirk, E	Roving. Activity: S. Survey: Observer data; BirdTrack. Activty: H	D0062/008/01, D1297/025/01	BAP, Bern2, LBAP-C, S7, UKBA	NA, PC
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ297382 *(Selected from Interactive Map)*	06/04/2021	Tom Knight	4		Brynkinallt CP	Singing.	D1748/001/01	BAP, Bern2, LBAP-C, S7, UKBA	UA
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-105771426	D1852/002/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ2937 *(Approximate)*	2 records, between 24/01/2009 and 24/06/2021	Anon; Mr Christopher Twigg	1		SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442314-105772154; Male on wall near Terry's Autos	D1852/002/01, D1297/047/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	PC, UA
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ2837	2 records, between 24/01/2009 and 23/06/2015	Anon; Ian M Spence			Chirk, SW	Occurrence ID: NBN-GA000656-BGBW2009-16441942-105771669; Bird Track	D1852/002/01, D1297/025/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	PC
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ2938	12/01/2014	Tony Jaques	2		Chirk	BirdTrack	D1297/025/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	PC
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ29693832 *(Selected from Interactive Map)*	12/03/2021	Tom Knight	2	Live Sighting	Brynkinallt CP	Male & female.	D1748/001/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	UA
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ30193821 *(Selected from Interactive Map)*	22/03/2021	Tom Knight	2	Live Sighting	Brynkinallt	Male & female.	D1748/001/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	UA
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ29663813 *(Selected from Interactive Map)*	06/04/2021	Tom Knight	1 Female	Live Sighting	Brynkinallt CP		D1748/001/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	UA
***Rhinolophus hipposideros* (Lesser Horseshoe Bat / Ystlum Pedol Lleiaf)**	SJ2938	**05/08/1985**	**NCC Printout (TMJ)**			**-Withheld-**	**-Withheld-**	D1072/001/02	**BAP, Bern2, Bonn2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, WCA5**	**NA**
Satyrium w-album (White-letter Hairstreak / Brithribin W Wen)	SJ2937	17/07/1976	R.A. Hume	6 present	Field record	Chirk	On bramble at "Vroncyslystre"?	D0217/001/04	BAP, LBAP-F, RL-EN, S7, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sturnus vulgaris (Starling / Drudwen)	SJ287377 *(GPS Reading)*	24/01/2019	Gordon Plater	50+		Chirk	Perched in tree roadside by industrial estate	D1117/001/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Sturnus vulgaris (Starling / Drudwen)	SJ2939	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham, Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135732-139494196; Occurrence ID: NBN-GA000656-BGBW2009-16442067-106878528	D1852/001/01, D1852/002/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Sturnus vulgaris (Starling / Drudwen)	SJ2837	7 records, between 26/01/2008 and 26/08/2019	Anon; C Alder; Mr Dave Hunter	12		Wrexham, Denbighshire;Chirk, SW;Castle road	Occurrence ID: NBN-GA000567-BGBW2008-22135723-139278173; Occurrence ID: NBN-GA000656-BGBW2009-16441943-106878418; Birdtrack	D1852/001/01, D1852/002/01, D1297/025/01, D1297/026/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Sturnus vulgaris (Starling / Drudwen)	SJ2938	3 records, between 26/01/2008 and 02/12/2017	Anon; Steven Davies	2		Wrexham, Denbighshire;Chirk	Occurrence ID: NBN-GA000567-BGBW2008-22135747-139472592; Occurrence ID: NBN-GA000656-BGBW2009-16442128-106878496; BirdTrack	D1852/001/01, D1852/002/01, D1297/025/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Sturnus vulgaris (Starling / Drudwen)	SJ2937 *(Approximate)*	5 records, between 24/01/2009 and 21/09/2022	Anon; Mr Christopher Twigg	2; 1		SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442004-106878491	D1852/002/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC, UA
***Triturus cristatus* (Great Crested Newt / Madfall Ddwr Gribog)**	SJ2937 ***(Supplied by Original Recorder (Checked))***	**10/04/2006**	**Anon**	**1 Male**		**-Withheld-**	**-Withheld-**	D0026/279/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5**	**PC**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ2937 *(Supplied by Original Recorder;Approximate)*	2 records, between 1992 and 15/06/1992	Anon - Herpetofauna Consultants International; Anon - CCW	Present		-Withheld-	-Withheld-	D1122/001/01, D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ2937 *(Supplied by Original Recorder)*	15/06/1992	Anon - Herpetofauna Consultants International			-Withheld-	-Withheld-	D1122/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Turdus iliacus (Redwing / Coch Dan Adain)	SJ29203769 *(Selected from Interactive Map)*	3 records, between 19/10/2018 and 08/12/2018	Kit Twigg	23 Full-Grown; 20 Full-Grown; 17 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk	3 feeding in yew,approx flock of 20 flying around towards adjacent woods and mature gardens; 20 at least estimated flying from yews, rowans etc.; Attracted to Yew and Rowan berries	D1117/001/01	BDir2.2, LBAP-C, RL-CR, UKBA, WBA, WCA1.1	PC
Turdus iliacus (Redwing / Coch Dan Adain)	SJ3038	02/12/2017	Steven Davies	35		Chirk, E	BirdTrack	D1297/025/01	BDir2.2, LBAP-C, RL-CR, UKBA, WBA, WCA1.1	PC
Turdus iliacus (Redwing / Coch Dan Adain)	SJ2937 *(Approximate)*	11 records, between 19/10/2018 and 23/11/2023	Christopher Twigg; Mr Christopher Twigg	17; 20; 23; c50; 12; c25; 6; c10; 2		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Feeding on Yew and Rowan berries; Approximate number. At one stage there was a flock of 25 overhead and others feeding on the yews.; Best estimate. Very skittish, mainly flitting between the upper canopy of the yew trees.; Best estimate - flitting between the Churchyard and beech trees on Trevor Road; best estimate - flitting between the yew trees	D1297/025/01, D1297/026/01, D1297/047/01, D1297/050/01, D1297/051/01	BDir2.2, LBAP-C, RL-CR, UKBA, WBA, WCA1.1	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Turdus iliacus (Redwing / Coch Dan Adain)	SJ2837	04/03/2018	Andy Cawthray			Chirk, SW		D1297/025/01	BDir2.2, LBAP-C, RL-CR, UKBA, WBA, WCA1.1	PC
Turdus philomelos (Song Thrush / Bronfraith)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442128-106817353	D1852/002/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC
Turdus philomelos (Song Thrush / Bronfraith)	SJ2937 *(Approximate)*	10 records, between 24/01/2009 and 25/10/2023	Anon; Mr Christopher Twigg	3; 1; 2		SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442249-106817466	D1852/002/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC, UA
Turdus philomelos (Song Thrush / Bronfraith)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: S	D1297/025/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC
Turdus philomelos (Song Thrush / Bronfraith)	SJ2839	3 records, all on 06/05/2016	Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC, UA
Turdus philomelos (Song Thrush / Bronfraith)	SJ2837 *(Approximate)*	6 records, between 30/01/2009 and 19/05/2021	C Alder; Ian M Spence; Andy Cawthray; Mr Dale Hardgrave; Recorder name withheld (obsr1725195); Dr Anne Brenchley	4		Chirk, SW;Chirk (aquaduct);LL14, Wrexham;SJ2837 Chirk SW	Birdtrack; Bird Track. Activty: S; Breeding details: Singing male (S)	D1297/025/01, D1297/026/01, D0346/001/01, D1297/047/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC, UA
Turdus philomelos (Song Thrush / Bronfraith)	SJ2838	06/05/2019	Mr Dale Hardgrave	6		Chirk		D1297/026/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC
Turdus philomelos (Song Thrush / Bronfraith)	SJ29813821 *(Selected from Interactive Map)*	06/04/2021	Tom Knight	1	Auditory record	Brynkinallt CP	Singing.	D1748/001/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Turdus pilaris (Fieldfare / Socan Eira)	SJ2839	06/09/2016	Dave Hunter	38		Chirk, NW	BirdTrack	D1297/025/01	BDir2.2, LBAP-C, RL-PX, UKBR, WBA, WCA1.1	PC
Turdus pilaris (Fieldfare / Socan Eira)	SJ2837	04/03/2018	Andy Cawthray			Chirk, SW		D1297/025/01	BDir2.2, LBAP-C, RL-PX, UKBR, WBA, WCA1.1	PC
Turdus pilaris (Fieldfare / Socan Eira)	SJ2937 *(Approximate)*	2 records, between 21/10/2021 and 14/10/2022	Mr Christopher Twigg	4; 2		SJ2937 St Marys Churchyard, Chirk	Flying overhead	D1297/047/01, D1297/050/01	BDir2.2, LBAP-C, RL-PX, UKBR, WBA, WCA1.1	UA
Vanellus vanellus (Lapwing / Cornchwiglen)	SJ3038	28/05/2017	Neil Hughes	6		Chirk, E	Birdtrack. 3 chicks with one pair 4 chick with another pair same field. Activty: FL	D1297/025/01	BAP, BDir2.2, Bonn2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, RL-EN, RL-VU, S7, UKBR, WBR	PC
Vanellus vanellus (Lapwing / Cornchwiglen)	SJ2937 *(Approximate)*	15/06/2003	Anon	6		Chirk Bank/Shrops Union Canal	Nefod, near Chirk Bank. B.T.O. Breeding Bird Survey - 1km Square	D1297/042/01	BAP, BDir2.2, Bonn2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, RL-EN, RL-VU, S7, UKBR, WBR	PC

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Category 2 Species										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Accipiter nisus (Sparrowhawk / Gwalch Glas)	SJ3038	02/12/2017	Steven Davies	1		Chirk, E	BirdTrack	D1297/025/01	Bonn2, CITES-A, LBAP-C, RL-NT, UKBA	PC
Accipiter nisus (Sparrowhawk / Gwalch Glas)	SJ2837 *(Approximate)*	29/07/2021	Mr Nigel Earp	3		Lady Margaret's Park caravan site, Chirk	3-4 noisy recently fledged birds seen/heard over three days around presumed nest site. Breeding details: Recently fledged (FL)	D1297/047/01	Bonn2, CITES-A, LBAP-C, RL-NT, UKBA	UA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ284377 *(Selected from Interactive Map)*	06/12/2016	Gordon Plater	4		Chirk	Woodland adjacent station	D1117/001/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ290375 *(Selected from Interactive Map)*	20/01/2017	Gordon Plater	2		Chirk	Scrub/woodland by footpath	D1117/001/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ29203769 *(Selected from Interactive Map)*	2 records, between 19/10/2018 and 17/11/2018	Kit Twigg	3 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442065-106734710	D1852/002/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ2837	7 records, between 24/01/2009 and 26/08/2019	Anon; C Alder; Lee Barber; Andy Cawthray; Mr Dave Hunter; Recorder Name withheld (obsr200324)	6; 2; 4; 10		Chirk, SW;Castle road;Chirk Tunnel North Side	Occurrence ID: NBN-GA000656-BGBW2009-16441886-106734459; Birdtrack; BirdTrack	D1852/002/01, D1297/025/01, D1297/026/01, D0346/003/01	WBA	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ3039	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442800-106734529	D1852/002/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ2937 *(Approximate)*	14 records, between 24/01/2009 and 26/12/2023	Anon; Vince R Beaney; Christopher Twigg; Mr Christopher Twigg	3; 8; 2; 5		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442314-106734783; BirdTrack	D1852/002/01, D1297/025/01, D1297/026/01, D1297/050/01, D1297/051/01	WBA	PC, UA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-106734571	D1852/002/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ3038	02/12/2017	Steven Davies	4		Chirk, E	BirdTrack	D1297/025/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ2839	3 records, all on 06/05/2016	Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	WBA	PC, UA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ2838	06/05/2019	Mr Dale Hardgrave	1		Chirk		D1297/026/01	WBA	PC
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: H	D1297/025/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ2839 *(Approximate)*	4 records, between 06/05/2016 and 06/05/2023	Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566); Mr Paul Bearman			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01, D1297/051/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	PC, UA
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ2937	28/10/2012	Vince R Beaney	20		Chirk, S	BirdTrack	D1297/025/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	PC
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ2837 *(Approximate)*	11 records, between 05/04/2013 and 17/04/2022	Lee Barber; Ian M Spence; Andy Cawthray; Mr Dave Hunter; Recorder name withheld (obsr1725195); Recorder name withheld (obsr1292811); Recorder Name withheld (obsr1728926); Dr Anne Brenchley; Recorde...	36; 14; 12; 5; 6; 8; 30		Chirk, SW;Richard Burbage, Wrexham LL14 5RL, United Kingdom, null;LL14, Wrexham;Chirk Aqueduct;Chirk;SJ2837 Chirk SW;Chain Bank, Castle Road,Chirk Green	BirdTrack; Bird Track; Mostly drakes	D1297/025/01, D1297/026/01, D0346/001/01, D0346/002/01, D1297/047/01, D0346/003/01, D1297/050/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	PC, UA
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ284387	2 records, both on 27/06/2018	Martyn Harris	2 Juvenile; 1 Female	Field record	Llangollen Canal West of Chirk, Denbighshire	2 duckling with female parent bird.; Female parent bird with 2 ducklings.	D0969/001/05	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	UA
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ2838	25/03/2017	Recorder Name withheld (obsr26000)	10		Chirk to Llangollen		D0346/003/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	UA
Anthus pratensis (Meadow Pipit / Corhedydd y Waun)	SJ3038	02/12/2017	Steven Davies	2		Chirk, E	BirdTrack	D1297/025/01	Bern2, LBAP-C, UKBA, WBA	PC
Apus apus (Swift / Gwennol Ddu)	SJ290377	05/05/2016	Mr D Hunter	6		Mobile-SJ2937		D1297/021/01	RL-EN, UKBR, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Apus apus (Swift / Gwennol Ddu)	SJ291376	19/07/2016	Mr D Hunter	5		Mobile-SJ2937		D1297/021/01	RL-EN, UKBR, WBA	PC
Apus apus (Swift / Gwennol Ddu)	SJ2937 *(Approximate)*	8 records, between 19/07/2014 and 21/06/2023	JA Jackson; Dave Hunter; Mr Christopher Twigg; Recorder Name withheld (obsr1326619)	60; 5; 6; 4; c12; 25; 3; 8	Reported to recorder	Chirk, S;SJ2937 St Marys Churchyard, Chirk;Chirk Car Park	Flock circling over Chirk. Survey: Observer data; BirdTrack; Flying overhead	D0062/008/01, D1297/025/01, D1297/026/01, D0346/003/01, D1297/051/01	RL-EN, UKBR, WBA	NA, PC, UA
Apus apus (Swift / Gwennol Ddu)	SJ2939	07/06/2015	Lee Barber	1		Chirk, N	Bird Track	D1297/025/01	RL-EN, UKBR, WBA	PC
Apus apus (Swift / Gwennol Ddu)	SJ2837 *(Approximate)*	9 records, between 23/06/2015 and 20/04/2023	Ian M Spence; J Martin Skeffington; Dave Hunter; Mr Dale Hardgrave; Recorder name withheld (obsr1292811); Dr Anne Brenchley; Recorder Name withheld (obsr425544); Recorder Name withheld (obsr200324)...	4; 5; 3; 1; 2		Chirk, SW;Chirk (aquaduct);Chirk Aqueduct;SJ2837 Chirk SW;Chirk;Chirk Aqueduct, Chirk, Weston Rhyn, Wrexham LL14 5DA	Bird Track; BirdTrack	D1297/025/01, D1297/039/01, D0346/001/01, D1297/047/01, D0346/003/01, D1297/051/01	RL-EN, UKBR, WBA	PC, UA
Apus apus (Swift / Gwennol Ddu)	SJ291377	27/06/2018	Martyn Harris	6	Field record	Centre of Chirk, Wrexham	Flying around the buildings of the hand Hotel and the public car park in Chirk.	D0969/001/05	RL-EN, UKBR, WBA	UA
Apus apus (Swift / Gwennol Ddu)	SJ29183776	17/06/2022	payne, ashley	1 Adult Female		St Mary's close, Chirk	Additional information available on iRecord.	D1638/002/01	RL-EN, UKBR, WBA	NA
Ardea cinerea (Grey Heron / Crëyr Glas)	SJ2837	29/06/2019	Mr Christopher Twigg	2		SJ2837, Chirk River Ceiriog - Trap Bridge to Pontfaen		D1297/026/01	RL-NT	PC
Ardea cinerea (Grey Heron / Crëyr Glas)	SJ2838	25/03/2017	Recorder Name withheld (obsr26000)	1		Chirk to Llangollen		D0346/003/01	RL-NT	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ardea cinerea (Grey Heron / Crëyr Glas)	SJ2839 *(Approximate)*	06/05/2023	Mr Paul Bearman					D1297/051/01	RL-NT	UA
Buxus sempervirens (Box / Pren Bocs)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LBAP-C, RDB-NR, RL-DD	NA
Ceutorhynchus constrictus	SJ286377	04/06/1996	Adrian Fowles			Cadbury's, Chirk		D0217/001/04	RDB-NB	NA
Chloris chloris (Greenfinch / Llinos Werdd)	SJ29203769 *(Selected from Interactive Map)*	3 records, between 19/10/2018 and 05/01/2019	Kit Twigg	4 Full-Grown; 6 Full-Grown; 2 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442130-105770643	D1852/002/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ2837	3 records, between 24/01/2009 and 23/06/2015	Anon; C Alder; Ian M Spence			Chirk, SW	Occurrence ID: NBN-GA000656-BGBW2009-16441943-105770612; Birdtrack; Bird Track. Activty: S	D1852/002/01, D1297/025/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-105771422	D1852/002/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: H	D1297/025/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ2839	4 records, between 03/05/2014 and 06/05/2016	Dave Hunter; Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)	2		Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	Bern2, LBAP-C, RL-EN, UKBR	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Chloris chloris (Greenfinch / Llinos Werdd)	SJ2937 *(Approximate)*	24 records, between 19/10/2018 and 26/12/2023	Christopher Twigg; Mr Christopher Twigg	4; 6; 2; 1; 3; 12; 8; 5		Chirk, S;SJ2937 St Marys Churchyard, Chirk		D1297/025/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-C, RL-EN, UKBR	PC, UA
Chloris chloris (Greenfinch / Llinos Werdd)	SJ3039 *(Approximate)*	27/04/2022	Mr Matt Hines			Chirk Park,Chirk Green		D1297/050/01	Bern2, LBAP-C, RL-EN, UKBR	UA
Cinclus cinclus (Dipper / Bronwen y Dwr)	SJ290372 *(GPS Reading)*	30/01/2018	Gordon Plater	1		Chirk	Afon ceiriog near bridge inn	D1117/001/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA, WBA	PC
Cinclus cinclus (Dipper / Bronwen y Dwr)	SJ3038	2 records, between 28/05/2017 and 02/12/2017	Steven Davies; Neil Hughes	1; 2		Chirk, E	Birdtrack. River Ceiriog near Pont-y-Blew; BirdTrack. Activty: P	D1297/025/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA, WBA	PC
Cinclus cinclus (Dipper / Bronwen y Dwr)	SJ2837 *(Approximate)*	6 records, between 23/06/2015 and 25/08/2021	Ian M Spence; Mr Christopher Twigg; Mr Dale Hardgrave; Mr Rob Morsley; Recorder Name withheld (obsr1728926)	5; 2; 1		Chirk, SW;SJ2837, Chirk River Ceiriog - Trap Bridge to Pontfaen;Chirk (aquaduct);NWales, Chirk;Chirk	Bird Track; Afon Cerriog	D1297/025/01, D1297/026/01, D1297/039/01, D0346/002/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA, WBA	PC, UA
Cinclus cinclus (Dipper / Bronwen y Dwr)	SJ2937 *(Approximate)*	01/05/1997	TW Edwards	4		Chirk Bank/Shrops Union Canal	On R. Ceiriog.	D1297/042/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA, WBA	PC
Cinclus cinclus (Dipper / Bronwen y Dwr)	SJ287378	25/03/1978	Recorder Name withheld (obsr1895407)	2		Chirk		D0346/005/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA, WBA	UA
Cinclus cinclus (Dipper / Bronwen y Dwr)	SJ290376	12/03/1978	Recorder Name withheld (obsr38671)	2		Chirk		D0346/005/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA, WBA	UA
Coleosporium tussilaginis	SJ2937	02/08/1995	Preece, Dr T.F.			Chirk Bank		D1907/001/02	WRL-RU[DD]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Columba oenas (Stock Dove / Colomen Wyllt)	SJ3038	25/06/2010	Neil Hughes	4	Reported to recorder	Chirk, E	Activity: P. Survey: Observer data	D0062/008/01	BDir2.2, LBAP-G, UKBA	NA
Columba oenas (Stock Dove / Colomen Wyllt)	SJ2837	5 records, between 05/04/2013 and 11/03/2019	Mr Christopher Twigg; Recorder Name withheld (obsr215723); Recorder Name withheld (obsr183978); Recorder Name withheld (obsr200324)	3; 2		Chirk viaduct & aqueduct;Chirk;Chirk Tunnel North Side		D1297/026/01, D0346/003/01	BDir2.2, LBAP-G, UKBA	PC, UA
Columba palumbus (Woodpigeon / Ysguthan)	SJ29203769 *(Selected from Interactive Map)*	4 records, between 19/10/2018 and 05/01/2019	Kit Twigg	6 Full-Grown; 9 Full-Grown; 8 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	BDir2.1, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ2837 *(Approximate)*	25 records, between 24/01/2009 and 17/04/2022	Anon; C Alder; Lee Barber; Ian M Spence; Andy Cawthray; Dave Hunter; Mr Dave Hunter; Mr Dale Hardgrave; Mr Christopher Twigg; Recorder name withheld (obsr1292811); Recorder name withheld (obsr17251...	14; 2; 3; 4; 12; 5; 15; 6; 8; 1		Chirk, SW;castle road Chirk;Castle road;Chirk (aquaduct);SJ2837, Chirk River Ceiriog - Trap Bridge to Pontfaen;Chirk Aqueduct;LL14, Wrexham;Chirk;SJ2837 Chirk SW;Chirk Tunnel North Side;Chain Bank,...	Occurrence ID: NBN-GA000656-BGBW2009-16441886-106987136; Birdtrack; BirdTrack; Bird Track	D1852/002/01, D1297/025/01, D1297/026/01, D1297/039/01, D0346/001/01, D0346/002/01, D1297/047/01, D0346/003/01, D1297/050/01	BDir2.1, UKBA	PC, UA
Columba palumbus (Woodpigeon / Ysguthan)	SJ2939 *(Approximate)*	3 records, between 24/01/2009 and 13/08/2020	Anon; Lee Barber; Mr Ewan Shilland	2; 1		Chirk, N;Mobile-SJ2939	Occurrence ID: NBN-GA000656-BGBW2009-16442067-106987248; Bird Track	D1852/002/01, D1297/025/01, D1297/039/01	BDir2.1, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ3039	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442800-106987176	D1852/002/01	BDir2.1, UKBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Columba palumbus (Woodpigeon / Ysguthan)	SJ2938	2 records, between 24/01/2009 and 02/12/2017	Anon; Steven Davies			Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442189-106987100; BirdTrack	D1852/002/01, D1297/025/01	BDir2.1, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ2937 *(Approximate)*	43 records, between 24/01/2009 and 26/12/2023	Anon; Christopher Twigg; Mr Christopher Twigg	6; 9; 12; 10; 15; 13; 11; 8; 18; 16; 14; 17		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442314-106987298	D1852/002/01, D1297/025/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	BDir2.1, UKBA	PC, UA
Columba palumbus (Woodpigeon / Ysguthan)	SJ3038	2 records, between 28/05/2017 and 02/12/2017	Steven Davies; Neil Hughes	3		Chirk, E	BirdTrack; BirdTrack. Activty: H	D1297/025/01	BDir2.1, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ2839	3 records, all on 06/05/2016	Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	BDir2.1, UKBA	PC, UA
Columba palumbus (Woodpigeon / Ysguthan)	SJ2838	2 records, between 25/03/2017 and 06/05/2019	Mr Dale Hardgrave; Recorder Name withheld (obsr26000)	11; 4		Chirk;Chirk to Llangollen		D1297/026/01, D0346/003/01	BDir2.1, UKBA	PC, UA
Columba palumbus (Woodpigeon / Ysguthan)	SJ284378	12/09/2022	Recorder Name withheld (obsr227139)	3		The Poplars, Station Ave, Wrexham		D0346/006/01	BDir2.1, UKBA	UA
Columba palumbus (Woodpigeon / Ysguthan)	SJ299385	11/08/2023	Recorder Name withheld (obsr1823160)	2		Chirk Bypass, Wales		D0346/007/01	BDir2.1, UKBA	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Corvus frugilegus (Rook / Ydfran)	SJ3038	28/05/2017	Neil Hughes	40		Chirk, E	BirdTrack. Activty: H	D1297/025/01	BDir2.2, RL-NT, UKBA	PC
Corvus frugilegus (Rook / Ydfran)	SJ2939	07/06/2015	Lee Barber	2		Chirk, N	Bird Track	D1297/025/01	BDir2.2, RL-NT, UKBA	PC
Corvus frugilegus (Rook / Ydfran)	SJ2837	5 records, between 03/08/2015 and 26/08/2019	Mr Dave Hunter; Recorder Name withheld (obsr200324); Recorder Name withheld (obsr425544)	1; 5; 2; 10		Castle road;Richard Burbage, Wrexham LL14 5RL, United Kingdom, null;Chirk Tunnel North Side;Chirk		D1297/026/01, D0346/003/01	BDir2.2, RL-NT, UKBA	PC, UA
Corvus frugilegus (Rook / Ydfran)	SJ2838	2 records, between 25/03/2017 and 06/05/2019	Mr Dale Hardgrave; Recorder Name withheld (obsr26000)	8		Chirk;Chirk to Llangollen		D1297/026/01, D0346/003/01	BDir2.2, RL-NT, UKBA	PC, UA
Corvus frugilegus (Rook / Ydfran)	SJ2839	05/06/2017	Recorder Name withheld (obsr248957)	2		Wrexham County, Wales, GB		D0346/003/01	BDir2.2, RL-NT, UKBA	UA
Corvus frugilegus (Rook / Ydfran)	SJ2937 *(Approximate)*	14/10/2022	Mr Christopher Twigg	2		SJ2937 St Marys Churchyard, Chirk		D1297/050/01	BDir2.2, RL-NT, UKBA	UA
Corvus frugilegus (Rook / Ydfran)	SJ3039 *(Approximate)*	27/04/2022	Mr Matt Hines			Chirk Park,Chirk Green		D1297/050/01	BDir2.2, RL-NT, UKBA	UA
Curruca communis (Whitethroat / Llwydfron)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: S	D1297/025/01	LBAP-C, UKBA, WBA	PC
Curruca communis (Whitethroat / Llwydfron)	SJ2839	3 records, all on 06/05/2016	Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	LBAP-C, UKBA, WBA	PC, UA
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ3038	28/05/2017	Neil Hughes	8		Chirk, E	BirdTrack. Activty: N	D1297/025/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	PC
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ2839	5 records, between 23/05/2014 and 08/09/2016	Dave Hunter; Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)	6; 5		Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ2837 *(Approximate)*	8 records, between 15/09/2014 and 19/05/2021	Dave Hunter; Ian M Spence; J Martin Skeffington; Dr Anne Brenchley; Recorder Name withheld (obsr200324); Recorder Name withheld (obsr425544)	3; 8; 5		Chirk, SW;SJ2837 Chirk SW;Chirk Tunnel North Side;Chirk	BirdTrack; Bird Track. Activty: ON; Breeding details: Visiting probable nest site (N)	D1297/025/01, D1297/047/01, D0346/003/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	PC, UA
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ2937 *(Approximate)*	2 records, between 13/05/1999 and 28/07/1999	TW Edwards	10		Chirk Bank/Shrops Union Canal	Nesting colony on Chirk Railway Viaduct.; Despite potential for a large colony the numbers do not appearto be very great.	D1297/042/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	PC
Fulica atra (Coot / Cwtiar)	SJ2837	04/03/2018	Andy Cawthray			Chirk, SW		D1297/025/01	BDir2.1, RL-NT	PC
Gallinula chloropus (Moorhen / Iar Ddwr)	SJ2839	3 records, all on 06/05/2016	Julia M Yelloly; Iain S Downie; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	BDir2.2, Bonn2, RL-VU, UKBA	PC, UA
Gallinula chloropus (Moorhen / Iar Ddwr)	SJ2837 *(Approximate)*	5 records, between 05/04/2013 and 17/04/2022	Andy Cawthray; Mr Dave Hunter; Recorder Name withheld (obsr215723); Recorder Name withheld (obsr183978); Miss Angharad Seabury	2; 3; 1		Chirk, SW;Richard Burbage, Wrexham LL14 5RL, United Kingdom, null;Chirk;Chain Bank, Castle Road,Chirk Green		D1297/025/01, D1297/026/01, D0346/003/01, D1297/050/01	BDir2.2, Bonn2, RL-VU, UKBA	PC, UA
Gallinula chloropus (Moorhen / Iar Ddwr)	SJ2838	25/03/2017	Recorder Name withheld (obsr26000)	2		Chirk to Llangollen		D0346/003/01	BDir2.2, Bonn2, RL-VU, UKBA	UA
Helleborus foetidus (Stinking Hellebore / Troed yr Arth)	SJ2938	12/02/2015	Shanklin, J			Chirk Green	Garden escape	D1169/004/04	LBAP-C, LBAP-D, LI-VP-51[LS], RDB-NS	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Hirundo rustica (Swallow / Gwennol)	SJ288375	24/08/2016	Mr D Hunter	23		Mobile-SJ2837		D1297/021/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC
Hirundo rustica (Swallow / Gwennol)	SJ3038	2 records, between 26/06/2010 and 28/05/2017	Neil Hughes	25; 6	Reported to recorder	Chirk, E	Roving. Activity: ON. Survey: Observer data; BirdTrack. Activty: N	D0062/008/01, D1297/025/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	NA, PC
Hirundo rustica (Swallow / Gwennol)	SJ2939	07/06/2015	Lee Barber	2		Chirk, N	Bird Track	D1297/025/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC
Hirundo rustica (Swallow / Gwennol)	SJ2839	6 records, between 12/04/2014 and 08/09/2016	Dave Hunter; Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)	1; 4; 13		Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC, UA
Hirundo rustica (Swallow / Gwennol)	SJ2937	4 records, between 25/09/2017 and 03/08/2019	Dave Hunter; Mr Christopher Twigg	50; 1; 2; 5		Chirk, S;SJ2937 St Marys Churchyard, Chirk	BirdTrack; Calling overhead with a party of Swifts.	D1297/025/01, D1297/026/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC
Hirundo rustica (Swallow / Gwennol)	SJ2837 *(Approximate)*	8 records, between 23/06/2015 and 19/05/2021	Ian M Spence; Dave Hunter; Mr Dave Hunter; Dr Anne Brenchley; Recorder Name withheld (obsr425544); Recorder Name withheld (obsr200324)	23; 1; 2; 5		Chirk, SW;Castle road;SJ2837 Chirk SW;Chirk	Bird Track; BirdTrack	D1297/025/01, D1297/026/01, D1297/047/01, D0346/003/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC, UA
Hyoscyamus niger (Henbane / Llewyg yr lâr)	SJ2837	July 1939	Lloyd, Miss E.R.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, LBAP-G, LI-VP-48[LS], LI-VP-49[LS], LI-VP-52[LR], RL-VU	NA
Larus fuscus (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3038	02/12/2017	Steven Davies	4		Chirk, E	BirdTrack	D1297/025/01	BDir2.2, LBAP-C, LBAP-E, LBAP-G, RL-DD, UKBA, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Meconopsis cambrica (Welsh Poppy / Pabi Cymreig)	SJ2837	28/05/2010	Lockton, Mr A.J.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LBAP-C, LBAP-D, LI-VP-48[LS], LI-VP-49[LS], RDB-NS	NA
Meconopsis cambrica (Welsh Poppy / Pabi Cymreig)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LBAP-C, LBAP-D, LI-VP-48[LS], LI-VP-49[LS], RDB-NS	NA
Mentha arvensis (Corn Mint / Mintys yr Âr)	SJ2938	11/05/2014	Stead, M.O.			Chirk Green		D1169/004/04	LI-VP-51[LR], WRL-VP[VU]	NA
Motacilla cinerea (Grey Wagtail / Siglen Iwyd)	SJ3038	28/05/2017	Neil Hughes	2		Chirk, E	BirdTrack. Activty: P	D1297/025/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA	PC
Motacilla cinerea (Grey Wagtail / Siglen Iwyd)	SJ2837 *(Approximate)*	5 records, between 28/10/2012 and 25/08/2021	Vince R Beaney; Lee Barber; Mr Rob Morsley; Recorder name withheld (obsr1292811); Recorder Name withheld (obsr1728926)	1; 2; 5		Chirk, SW;NWales, Chirk;Chirk Aqueduct;Chirk	BirdTrack	D1297/025/01, D1297/039/01, D0346/001/01, D0346/002/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA	PC, UA
Motacilla cinerea (Grey Wagtail / Siglen Iwyd)	SJ2937 *(Approximate)*	3 records, between 20/01/2022 and 26/12/2023	Mr Christopher Twigg	1		SJ2937 St Marys Churchyard, Chirk		D1297/050/01, D1297/051/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA	UA
Motacilla cinerea (Grey Wagtail / Siglen Iwyd)	SJ290376	12/03/1978	Recorder Name withheld (obsr38671)	2		Chirk		D0346/005/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA	UA
Motacilla cinerea (Grey Wagtail / Siglen Iwyd)	SJ287378	25/03/1978	Recorder Name withheld (obsr1895407)	2		Chirk		D0346/005/01	Bern2, LBAP-C, LBAP-T, RL-NT, UKBA	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Parentucellia viscosa (Yellow Bartsia / Gorudd Melyn)	SJ296383	2 records, both in 1999	Anon; Anon.			Chirk	1st for 10km	D0216/001/03, D1169/004/04	LI-VP-48[LR], LI-VP-52[LS], WRL-VP[NT]	KC, NA
Periparus ater (Coal Tit / Titw Penddu)	SJ2937 *(Approximate)*	15 records, between 24/01/2009 and 26/12/2023	Anon; Vince R Beaney; Mr Christopher Twigg	2; 1; 3		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442314-106180114; BirdTrack	D1852/002/01, D1297/025/01, D1297/026/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-C, WBA	PC, UA
Periparus ater (Coal Tit / Titw Penddu)	SJ2837	11 records, between 24/01/2009 and 15/01/2019	Anon; C Alder; Lee Barber; Andy Cawthray; Dave Hunter; Mr Dave Hunter; Recorder Name withheld (obsr200324)	1; 2; 3		Chirk, SW;castle road Chirk;Chirk Tunnel North Side	Occurrence ID: NBN-GA000656-BGBW2009-16441886-106179518; Birdtrack; BirdTrack	D1852/002/01, D1297/025/01, D1297/026/01, D0346/003/01	Bern2, LBAP-C, WBA	PC, UA
Periparus ater (Coal Tit / Titw Penddu)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442130-106179369	D1852/002/01	Bern2, LBAP-C, WBA	PC
Periparus ater (Coal Tit / Titw Penddu)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-106179742	D1852/002/01	Bern2, LBAP-C, WBA	PC
Periparus ater (Coal Tit / Titw Penddu)	SJ3039	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442800-106179659	D1852/002/01	Bern2, LBAP-C, WBA	PC
Phoenicurus phoenicurus (Redstart / Tingoch)	SJ2837 *(Approximate)*	19/05/2021	Dr Anne Brenchley	1		SJ2837 Chirk SW		D1297/047/01	Bern2, LBAP-C, LBAP-E, LBAP-G, UKBA, WBA	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Phylloscopus trochilus (Willow Warbler / Telor yr Helyg)	SJ2838	06/05/2019	Mr Dale Hardgrave	1		Chirk		D1297/026/01	LBAP-C, UKBA, WBR	PC
Phylloscopus trochilus (Willow Warbler / Telor yr Helyg)	SJ2937	04/07/2019	Mr Christopher Twigg	1		SJ2937 St Marys Churchyard, Chirk		D1297/026/01	LBAP-C, UKBA, WBR	PC
Phylloscopus trochilus (Willow Warbler / Telor yr Helyg)	SJ2837 *(Approximate)*	19/05/2021	Dr Anne Brenchley			SJ2837 Chirk SW	Breeding details: Singing male (S)	D1297/047/01	LBAP-C, UKBA, WBR	UA
Pinus sylvestris (Scots Pine / Pinwydden yr Alban)	SJ2837	2 records, between 1981 and 17/07/2018	Wainwright, Mrs M.; Stead, M.O.			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	RDB-NS	NA
Pinus sylvestris (Scots Pine / Pinwydden yr Alban)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	RDB-NS	NA
Pinus sylvestris (Scots Pine / Pinwydden yr Alban)	SJ2839	12/02/2015	Shanklin, J			Chirk		D1169/004/04	RDB-NS	NA
Pinus sylvestris (Scots Pine / Pinwydden yr Alban)	SJ2838	13/03/2018	Swindells, S.			Chirk	Llangollen Canal South	D1169/004/04	RDB-NS	NA
Regulus regulus (Goldcrest / Dryw Eurben)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442250-106437953	D1852/002/01	Bern2, LBAP-C, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Regulus regulus (Goldcrest / Dryw Eurben)	SJ2839	2 records, both on 06/05/2016	Iain S Downie; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	Bern2, LBAP-C, WBA	PC, UA
Regulus regulus (Goldcrest / Dryw Eurben)	SJ2838	06/05/2019	Mr Dale Hardgrave	2		Chirk		D1297/026/01	Bern2, LBAP-C, WBA	PC
Regulus regulus (Goldcrest / Dryw Eurben)	SJ2937 *(Approximate)*	14 records, between 03/08/2019 and 29/09/2023	Mr Christopher Twigg	1; 2; 3; 4		SJ2937 St Marys Churchyard, Chirk		D1297/026/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-C, WBA	PC, UA
Regulus regulus (Goldcrest / Dryw Eurben)	SJ2837 *(Approximate)*	3 records, between 03/08/2015 and 25/08/2021	Recorder Name withheld (obsr1728926); Dr Anne Brenchley; Recorder Name withheld (obsr200324)	1		Chirk;SJ2837 Chirk SW;Chirk Tunnel North Side		D0346/002/01, D1297/047/01, D0346/003/01	Bern2, LBAP-C, WBA	UA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ28983867	2 records, between 02/05/2009 and 22/05/2010	Boyett, L. E.; Lockton, Mr A.J.	1		Chirk Kronospan Factory;Chirk	Voucher specimen; Just seven plants seen, in three places - all under Leylandii hedges in the village.	D1408/001/01, D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	KC, NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ28963899	2 records, between 24/06/2010 and 06/05/2011	Boyett, L. E.	2; 1		Chirk Kronospan Factory	Crogen Rd, between hedge and tarmac pavement. Voucher specimen; Paved forecourt of manweb substation, 50m from B5070, south facing	D1408/001/01	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	KC
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ28933901	06/05/2011	Boyett, L. E.	3		Chirk North	Turning to Wern Rd, off Crogen Rd, base of lampost, brick wall and tarmac pavement	D1408/001/01	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	KC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ29033808	06/05/2011	Boyett, L. E.	1		Chirk	West side of B5070. Voucher specimen	D1408/001/01	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	KC
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ29043802	19/10/2014	Stead, M.O.			Chirk Green	along the hedge of A5 in chirk crosses tetrads	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ29053794	19/10/2014	Stead, M.O.			Chirk Green	along the hedge of A5 in chirk crosses tetrads	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ2904837967	04/05/2019	Aspey, N.			Chirk South	B5070 E side base of hedge	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ2903838047	04/05/2019	Aspey, N.			Chirk Green	W side B5070 on roadside tarmac/gravel 1m N of N entrance gate post to Chirk Social Club. 230919 - No plants present as all 'weeds' along roadside edge recentlty sprayed.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ2899938519	04/05/2019	Aspey, N.			Chirk	W side B5070 on edge of footpath verge c.10m N of road drain. 230919 - No plants present as W roadside verge & hedge recentlty cut and or sprayed.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ2894638999	2 records, between 04/05/2019 and 23/05/2019	Aspey, N.; Swindells, S.			Chirk	Wern Road at S side of road sign.; The weedkillers have been at it! Healthy specimens at this grid ref. Photo supports	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ29033796	23/09/2019	Aspey, N.			Chirk South	B5070 on W verge 1 x 0.5m ht individual in Flw & Frt	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ28953899	23/09/2019	Aspey, N.			Chirk	2 x 0.25m ht in Flw & Frt at hedge base just a few metres around corner on N side of Crogan Rd	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ289390	2 records, between 05/05/2002 and 16/06/2013	Rand, M.; Whild, Dr S.J., Lockton, Mr A.J.			Chirk	SJ28933903. Wern, lodgevale Park, Chirk. 1 plant in E verge; Frequent along the old A5 north of Chirk, on both sides, from the roundabout at SJ288397 to the Kronospan factory at SJ289387. Many hundreds of plants.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ29053812	5 records, between 07/05/2006 and 16/06/2013	Rand, M.; Whild, Dr S.J., Lockton, Mr A.J.			Chirk	SJ29033816. B5070 Chirk. 1 plant in W verge; SJ29033809. B5070 Chirk. 2 plant in W verge; SJ29033808. B5070 Chirk. 1 plant in W verge; SJ29033794. B5070 Chirk. 1 plant in W verge	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ289391	05/05/2002	Whild, Dr S.J., Lockton, Mr A.J.			Chirk	Frequent along the old A5 north of Chirk, on both sides, from the roundabout at SJ288397 to the Kronospan factory at SJ289387. Many hundreds of plants.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ289389	05/05/2002	Whild, Dr S.J., Lockton, Mr A.J.			Chirk	Frequent along the old A5 north of Chirk, on both sides, from the roundabout at SJ288397 to the Kronospan factory at SJ289387. Many hundreds of plants.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ289388	05/05/2002	Whild, Dr S.J., Lockton, Mr A.J.			Chirk	Frequent along the old A5 north of Chirk, on both sides, from the roundabout at SJ288397 to the Kronospan factory at SJ289387. Many hundreds of plants.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ289387	05/05/2002	Whild, Dr S.J., Lockton, Mr A.J.			Chirk	Frequent along the old A5 north of Chirk, on both sides, from the roundabout at SJ288397 to the Kronospan factory at SJ289387. Many hundreds of plants.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ29053787	07/05/2006	Whild, Dr S.J., Lockton, Mr A.J.			Chirk		D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ28943902	02/05/2009	Lockton, Mr A.J.			Chirk	Just seven plants seen, in three places - all under Leylandii hedges in the village.BIRM	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Senecio cambrensis (Welsh Groundsel / Creulys Gymreig)	SJ28953901	02/05/2009	Lockton, Mr A.J.			Chirk	Just seven plants seen, in three places - all under Leylandii hedges in the village.	D1169/004/04	LBAP-C, LBAP-F, LI-VP-50[LNS], LI-VP-51[LR], RDB-NR, RL-NT, WRL-VP[CR]	NA
Silene vulgaris (Bladder Campion / Gludlys Codrwth)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	WRL-VP[NT]	NA
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ29203769 *(Selected from Interactive Map)*	2 records, between 17/11/2018 and 05/01/2019	Kit Twigg	1 Full-Grown; 3 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	BDir2.2, GBNNSIP, RL-NT	PC
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-106179743	D1852/002/01	BDir2.2, GBNNSIP, RL-NT	PC
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ2938	2 records, between 24/01/2009 and 02/12/2017	Anon; Steven Davies	5		Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442128-106179724; BirdTrack	D1852/002/01, D1297/025/01	BDir2.2, GBNNSIP, RL-NT	PC
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ2837 *(Approximate)*	4 records, between 24/01/2009 and 21/07/2020	Anon; C Alder; Andy Cawthray; Mr Dale Hardgrave	1		Chirk, SW;Chirk (aquaduct)	Occurrence ID: NBN-GA000656-BGBW2009-16441886-106179519; Birdtrack	D1852/002/01, D1297/025/01, D1297/039/01	BDir2.2, GBNNSIP, RL-NT	PC
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ2937 *(Approximate)*	14 records, between 24/01/2009 and 18/07/2023	Anon; Christopher Twigg; Mr Christopher Twigg	1; 2; 3		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442314-106180115	D1852/002/01, D1297/025/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	BDir2.2, GBNNSIP, RL-NT	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ3038	25/06/2010	Neil Hughes	4	Reported to recorder	Chirk, E	Activity: P. Survey: Observer data	D0062/008/01	BDir2.2, GBNNSIP, RL-NT	NA
Strix aluco (Tawny Owl / Tylluan Frech)	SJ2837 *(Approximate)*	2 records, between 02/06/2021 and 07/01/2023	Recorder Name withheld (obsr1913927); Mr Richard Nelson	1		Chirk;B4500, Chirk, Wrexham,		D0346/002/01, D1297/051/01	Bern2, CITES-A, LBAP-C, RL-NT, UKBA	UA
Sylvia borin (Garden Warbler / Telor yr Ardd)	SJ2937	28/05/2018	Kevin J Smith	1		Chirk, S		D1297/025/01	LBAP-C, WBA	PC
Troglodytes troglodytes (Wren / Dryw)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-106817362	D1852/002/01	Bern2, UKBA	PC
Troglodytes troglodytes (Wren / Dryw)	SJ2938	02/12/2017	Steven Davies	2		Chirk	BirdTrack	D1297/025/01	Bern2, UKBA	PC
Troglodytes troglodytes (Wren / Dryw)	SJ3038	2 records, between 28/05/2017 and 02/12/2017	Steven Davies; Neil Hughes	1		Chirk, E	BirdTrack; BirdTrack. Activty: S	D1297/025/01	Bern2, UKBA	PC
Troglodytes troglodytes (Wren / Dryw)	SJ2839 *(Approximate)*	5 records, between 10/01/2011 and 06/05/2023	Anon; Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566); Mr Paul Bearman	1		Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01, D1297/051/01	Bern2, UKBA	PC, UA
Troglodytes troglodytes (Wren / Dryw)	SJ2937 *(Approximate)*	25 records, between 28/10/2012 and 29/09/2023	Vince R Beaney; Mr Christopher Twigg	1; 2; 4; 3; 7		Chirk, S;SJ2937 St Marys Churchyard, Chirk	BirdTrack. Activty: S	D1297/025/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, UKBA	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Troglodytes troglodytes (Wren / Dryw)	SJ2837 *(Approximate)*	11 records, between 01/10/2013 and 25/08/2021	Lee Barber; Ian M Spence; Andy Cawthray; Dave Hunter; Mr Dale Hardgrave; Mr Christopher Twigg; Recorder Name withheld (obsr1728926); Dr Anne Brenchley; Recorder Name withheld (obsr425544); Recorder...	2; 1; 4		Chirk, SW;Chirk (aquaduct);SJ2837, Chirk River Ceiriog - Trap Bridge to Pontfaen;Chirk;SJ2837 Chirk SW;Chirk Tunnel North Side	BirdTrack; Bird Track	D1297/025/01, D1297/026/01, D1297/039/01, D0346/002/01, D1297/047/01, D0346/003/01	Bern2, UKBA	PC, UA
Troglodytes troglodytes (Wren / Dryw)	SJ2838	06/05/2019	Mr Dale Hardgrave	15		Chirk		D1297/026/01	Bern2, UKBA	PC
Turdus viscivorus (Mistle Thrush / Brych y Coed)	SJ29203769 *(Selected from Interactive Map)*	2 records, between 17/11/2018 and 05/01/2019	Kit Twigg	2 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk	Both birds 'rescource guarding' in the top of a large yew tree against redwings and greenfinches; One bird squabbling with a blackbird (in an ash tree). Photo of bird provided.	D1117/001/01	BDir2.2, RL-VU, UKBR	PC
Turdus viscivorus (Mistle Thrush / Brych y Coed)	SJ3038	02/12/2017	Steven Davies	3		Chirk, E	BirdTrack	D1297/025/01	BDir2.2, RL-VU, UKBR	PC
Turdus viscivorus (Mistle Thrush / Brych y Coed)	SJ2839	3 records, between 10/01/2011 and 06/05/2016	Anon; Dave Hunter; Julia M Yelloly	2		Chirk, NW	BirdTrack	D1297/025/01	BDir2.2, RL-VU, UKBR	PC
Turdus viscivorus (Mistle Thrush / Brych y Coed)	SJ2937 *(Approximate)*	8 records, between 17/11/2018 and 21/06/2023	Christopher Twigg; Mr Christopher Twigg	2; 11; 1		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Two birds resource gaurding against blackbirds and greenfinches in a yew tree.; A pair exhibiting 'resource guarding' in the yews opposite Richmond Upholstery.; One bird squabbling with blackbird in ash tree.	D1297/025/01, D1297/026/01, D1297/047/01, D1297/050/01, D1297/051/01	BDir2.2, RL-VU, UKBR	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Turdus viscivorus (Mistle Thrush / Brych y Coed)	SJ2837 *(Approximate)*	3 records, between 25/10/2012 and 23/01/2020	Anon; Andy Cawthray; Mr Christopher Twigg	1; 3		Chirk, SW;SJ2837, Chirk River Ceiriog - Trap Bridge to Pontfaen	BirdTrack	D1297/025/01, D1297/039/01	BDir2.2, RL-VU, UKBR	PC

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Category 3 Species										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Acer campestre (Field Maple / Masarnen Fach)	SJ2837	3 records, between 28/05/2010 and 16/07/2018	Lockton, Mr A.J.; Stead, M.O.; Denbs Group (Williams, D.)			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ2839	2 records, between 05/05/2002 and 17/07/2018	Whild, Dr S.J., Lockton, Mr A.J.; Stead, M.O.			Chirk	Associated species with Senecio cambrensis.	D1169/004/04	LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ3039	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ2938	2 records, between 12/02/2015 and 19/07/2018	Stead, M.O.; Shanklin, J			Chirk Green		D1169/004/04	LI-VP-48[LS], LI-VP-49[LS]	NA
Arenaria serpyllifolia (Thyme-leaved Sandwort / Tywodlys Dail Teim)	SJ2837	16/07/2018	Stead, M.O.			Chirk South		D1169/004/04	LI-VP-50[LNS]	NA
Athene noctua (Little Owl / Tylluan Fach)	SJ2839	12/04/2014	Dave Hunter	1		Chirk, NW	BirdTrack	D1297/025/01	Bern2, CITES-A, GBNNSIP, LBAP-C	PC
Athene noctua (Little Owl / Tylluan Fach)	SJ2937	12/06/2019	Mr Christopher Twigg	2		SJ2837, Chirk SW	Breeding status: ON	D1297/026/01	Bern2, CITES-A, GBNNSIP, LBAP-C	PC
Barbarea vulgaris (Winter-cress / Berwr y Gaeaf)	SJ2837	28/05/2010	Lockton, Mr A.J.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Barbarea vulgaris (Winter-cress / Berwr y Gaeaf)	SJ2838	12/02/2015	Shanklin, J			Chirk		D1169/004/04	LI-VP-48[LS]	NA
Bidens tripartita (Trifid Bur-marigold / Graban Teiran)	SJ2837	2 records, between 13/08/2014 and 16/07/2018	Denbs Group (Williams, D.); Stead, M.O.			Chirk South		D1169/004/04	LI-VP-48[LS], LI-VP-49[LR], LI-VP-50[LS], LI-VP-51[LR]	NA
Bromopsis ramosa (Hairy-brome / Pawrwellt Blewog)	SJ2837	3 records, between 1981 and 13/08/2014	Lockton, Mr A.J.; Wainwright, Mrs M.; Denbs Group (Williams, D.)			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	LI-VP-48[LS]	NA
Bromopsis ramosa (Hairy-brome / Pawrwellt Blewog)	SJ3038	11/07/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LS]	NA
Bromopsis ramosa (Hairy-brome / Pawrwellt Blewog)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-48[LS]	NA
***Bryum caespiticium* (Tufted Thread-moss)**	SJ2937	**1950 to 1988**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-BR-48[LR], LI-BR-49[LR], LI-BR-52[LR]**	**NA**
Buteo buteo (Buzzard / Bwncath)	SJ2937 *(Approximate)*	9 records, between 12/03/1978 and 26/05/2019	Derek Wright; Ian M Spence; Peter Lawton; Mr Ian Spence; Mr Christopher Twigg; Dr Ian Broadbent; Ashton, Paul	2; 1	Reported to recorder	Ty Mawr Cefn;Chirk, S;SJ2937 Chirk, S;SJ2937 St Marys Churchyard, Chirk;Chirk, nr Wrexham;Chirk	I've recorded all the birds I've seen at Ty Mawr Country Park since 01/14. Please contact me for details; Survey: Observer data; Birdtrack; BirdTrack; Bird Track	D1117/001/01, D0062/008/01, D1297/025/01, D1297/026/01, D1297/042/01, D1638/002/01	Bonn2, CITES-A, LBAP-C	PC, NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Buteo buteo (Buzzard / Bwncath)	SJ2938	2 records, between 08/02/2015 and 18/03/2016	Ian M Spence	1		Chirk	Bird Track; BirdTrack	D1297/025/01	Bonn2, CITES-A, LBAP-C	PC
Buteo buteo (Buzzard / Bwncath)	SJ3038	02/12/2017	Steven Davies	3		Chirk, E	BirdTrack	D1297/025/01	Bonn2, CITES-A, LBAP-C	PC
Buteo buteo (Buzzard / Bwncath)	SJ2939	3 records, between 26/07/2017 and 02/01/2019	Ian M Spence; Mr Lee Barber	1		Chirk, N;Chirk Market	BirdTrack	D1297/025/01, D1297/026/01	Bonn2, CITES-A, LBAP-C	PC
Buteo buteo (Buzzard / Bwncath)	SJ2839	6 records, between 10/01/2011 and 05/06/2017	Julia M Yelloly; Dave Hunter; Iain S Downie; Anon; Recorder Name withheld (obsr224566); Recorder Name withheld (obsr248957)	3; 1		Chirk, NW;Chirk Marina;Wrexham County, Wales, GB	BirdTrack; Birdtrack. flying. Not certain of exact location,/05/have been in next km sq to the North	D1297/025/01, D0346/003/01	Bonn2, CITES-A, LBAP-C	PC, UA
Buteo buteo (Buzzard / Bwncath)	SJ2837 *(Approximate)*	12 records, between 05/04/2013 and 17/04/2022	Ian M Spence; Dave Hunter; Mr Christopher Twigg; Mr Rob Morsley; Recorder name withheld (obsr1292811); Recorder name withheld (obsr1725195); Recorder Name withheld (obsr1728926); Recorder Name with...	2; 1; 3		Chirk, SW;SJ2837, Chirk River Ceiriog - Trap Bridge to Pontfaen;NWales, Chirk;Chirk Aqueduct;LL14, Wrexham;Chirk;Chirk Tunnel North Side;Chain Bank, Castle Road,Chirk Green	Bird Track	D1297/025/01, D1297/039/01, D0346/001/01, D0346/002/01, D0346/003/01, D1297/050/01	Bonn2, CITES-A, LBAP-C	PC, UA
Campanula trachelium (Nettle-leaved Bellflower / Clychlys Dail Danadl)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LI-VP-50[LS], LI-VP-51[LS]	NA
Carduelis carduelis (Goldfinch / Nico)	SJ291375 *(Selected from Interactive Map)*	20/01/2017	Gordon Plater	1		Chirk	Scrub/woodland by footpath	D1117/001/01	Bern2, LBAP-A, LBAP-C	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Carduelis carduelis (Goldfinch / Nico)	SJ29203769 *(Selected from Interactive Map)*	4 records, between 19/10/2018 and 05/01/2019	Kit Twigg	3 Full-Grown; 6 Full-Grown; 9 Full-Grown; 7 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ2939	2 records, between 24/01/2009 and 07/06/2015	Anon; Lee Barber	1		Chirk, N	Occurrence ID: NBN-GA000656-BGBW2009-16442251-106437774; Bird Track	D1852/002/01, D1297/025/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ2937 *(Approximate)*	18 records, between 24/01/2009 and 23/11/2023	Anon; Christopher Twigg; Mr Christopher Twigg	3; 6; 9; 4; 5; 2; 7; 1; 8		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442249-106438018	D1852/002/01, D1297/025/01, D1297/026/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-A, LBAP-C	PC, UA
Carduelis carduelis (Goldfinch / Nico)	SJ2938	2 records, between 24/01/2009 and 02/12/2017	Anon; Steven Davies	1		Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442250-106437950; BirdTrack	D1852/002/01, D1297/025/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ2837 *(Approximate)*	6 records, between 24/01/2009 and 19/05/2021	Anon; C Alder; Lee Barber; Ian M Spence; Andy Cawthray; Dr Anne Brenchley	1		Chirk, SW;SJ2837 Chirk SW	Occurrence ID: NBN-GA000656-BGBW2009-16441943-106437545; Birdtrack; BirdTrack; Bird Track. Activty: P; Breeding details: Singing male (S)	D1852/002/01, D1297/025/01, D1297/047/01	Bern2, LBAP-A, LBAP-C	PC, UA
Carduelis carduelis (Goldfinch / Nico)	SJ3038	28/05/2017	Neil Hughes	3		Chirk, E	BirdTrack. Activty: H	D1297/025/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ2839	3 records, all on 06/05/2016	Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	Bern2, LBAP-A, LBAP-C	PC, UA
Carduus crispus (Welted Thistle / Ysgallen Grech)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LR], LI-VP-52[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Carex paniculata (Greater Tussock-sedge / Hesgen Rafunog Fawr)	SJ2839	2 records, between 12/02/2015 and 17/07/2018	Shanklin, J; Stead, M.O.			Chirk	Far bank of Llangollen Canal; Canal bank	D1169/004/04	LI-VP-50[LNS], LI-VP-51[LS]	NA
Carex paniculata (Greater Tussock-sedge / Hesgen Rafunog Fawr)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-50[LNS], LI-VP-51[LS]	NA
Carex pendula (Pendulous Sedge / Hesgen Bendrom)	SJ2837	2 records, between 1981 and 13/08/2014	Wainwright, Mrs M.; Denbs Group (Williams, D.)			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	LI-VP-48	NA
Carex pendula (Pendulous Sedge / Hesgen Bendrom)	SJ2839	2 records, between 12/02/2015 and 17/07/2018	Stead, M.O.; Shanklin, J			Chirk		D1169/004/04	LI-VP-48	NA
Carex pendula (Pendulous Sedge / Hesgen Bendrom)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-48	NA
Carex riparia (Greater Pond-sedge / Hesgen-y-Dwr Fawr)	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LBAP-G, LI-VP-48[LS], LI-VP-49[LS], LI-VP-50[LNS], LI-VP-51[LS]	NA
Centaurea scabiosa (Greater Knapweed / Y Bengaled Fawr)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LI-VP-48[LR], LI-VP-49[LR], LI-VP-50[LNS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Certhia familiaris (Treecreeper / Dringwr Bach)	SJ2837 *(Approximate)*	3 records, between 23/06/2015 and 19/05/2021	Ian M Spence; Anon; Dr Anne Brenchley	2		Chirk, SW;SJ2837 Chirk SW	Bird Track; Breeding details: Pair in suitable habitat (P)	D1297/025/01, D1297/047/01	Bern2, LBAP-C	PC, UA
Certhia familiaris (Treecreeper / Dringwr Bach)	SJ2838	06/05/2019	Mr Dale Hardgrave	1		Chirk		D1297/026/01	Bern2, LBAP-C	PC
Certhia familiaris (Treecreeper / Dringwr Bach)	SJ2937 *(Approximate)*	3 records, between 24/11/2022 and 21/06/2023	Mr Christopher Twigg	1		SJ2937 St Marys Churchyard, Chirk		D1297/050/01, D1297/051/01	Bern2, LBAP-C	UA
Clavaria flavipes (Straw Club / Pastwn Gwellt)	SJ2909837677	07/11/2016	Debbie Evans		Fruiting body	Chirk Castle, lawn gatehouse, by Davies Gates	Survey for NT. Short, mossy, mown grass	D1192/009/01	CHEGD	NA
Convolvulus arvensis (Field Bindweed / Cwlwm y Cythraul)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48	NA
Convolvulus arvensis (Field Bindweed / Cwlwm y Cythraul)	SJ2938	19/07/2018	Stead, M.O.			Chirk Green		D1169/004/04	LI-VP-48	NA
Corvus corax (Raven / Cigfran)	SJ2937	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442314-106734784	D1852/002/01	LBAP-C	PC
Corvus corax (Raven / Cigfran)	SJ2837 *(Approximate)*	19/05/2021	Dr Anne Brenchley			SJ2837 Chirk SW		D1297/047/01	LBAP-C	UA
Cruciata laevipes (Crosswort / Llysiau'r Groes)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LBAP-G, LI-VP-49[LS], LI-VP-52[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Curruca curruca (Lesser Whitethroat / Llwydfron Fach)	SJ3039	20/05/2012	Mark T Breaks	1		Chirk, Halton	BirdTrack. Activty: S	D1297/025/01	LBAP-C, LBAP-D, LBAP-F	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ29203769 *(Selected from Interactive Map)*	4 records, between 19/10/2018 and 05/01/2019	Kit Twigg	5 Full-Grown; 2 Full-Grown; 4 Full-Grown; 9 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ2938	2 records, between 24/01/2009 and 02/12/2017	Anon; Steven Davies			Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442189-105770787; BirdTrack	D1852/002/01, D1297/025/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ2937 *(Approximate)*	43 records, between 24/01/2009 and 26/12/2023	Anon; Vince R Beaney; Christopher Twigg; Mr Christopher Twigg	5; 2; 4; 6; 11; 8; 7; 9; 1; 10; 3; 14		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442004-105771356; BirdTrack; Breeding status: FL	D1852/002/01, D1297/025/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-C	PC, UA
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ2939	2 records, between 24/01/2009 and 07/06/2015	Anon; Lee Barber	1		Chirk, N	Occurrence ID: NBN-GA000656-BGBW2009-16442066-105771559; Bird Track	D1852/002/01, D1297/025/01	Bern2, LBAP-C	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ2837 *(Approximate)*	22 records, between 24/01/2009 and 17/04/2022	Anon; C Alder; Lee Barber; Ian M Spence; Andy Cawthray; Dave Hunter; Mr Dave Hunter; Mr Dale Hardgrave; Mr Christopher Twigg; Recorder name withheld (obsr1725195); Recorder Name withheld (obsr17289...	6; 2; 5; 4; 3; 1		Chirk, SW;castle road Chirk;Castle road;Chirk (aquaduct);Richard Burbage, Wrexham LL14 5RL, United Kingdom, null;SJ2837, Chirk River Ceiriog - Trap Bridge to Pontfaen;LL14, Wrexham;Chirk;SJ2837 Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16441886-105770991; Birdtrack; BirdTrack; Bird Track	D1852/002/01, D1297/025/01, D1297/026/01, D1297/039/01, D0346/001/01, D0346/002/01, D1297/047/01, D0346/003/01, D1297/050/01	Bern2, LBAP-C	PC, UA
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ3039	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442800-105771270	D1852/002/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ3038	2 records, between 28/05/2017 and 02/12/2017	Steven Davies; Neil Hughes	1		Chirk, E	BirdTrack; BirdTrack. Activty: H	D1297/025/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ2838	06/05/2019	Mr Dale Hardgrave	6		Chirk		D1297/026/01	Bern2, LBAP-C	PC
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ29203769 *(Selected from Interactive Map)*	05/01/2019	Kit Twigg	1 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	Bern2, LBAP-C	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ3039	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442800-106437722	D1852/002/01	Bern2, LBAP-C	PC
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-106437775	D1852/002/01	Bern2, LBAP-C	PC
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ2937 *(Approximate)*	7 records, between 24/01/2009 and 24/11/2022	Anon; Mr Christopher Twigg	1		SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442314-106438059	D1852/002/01, D1297/026/01, D1297/047/01, D1297/050/01	Bern2, LBAP-C	PC, UA
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ2938	02/12/2017	Steven Davies	1		Chirk	BirdTrack	D1297/025/01	Bern2, LBAP-C	PC
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: H	D1297/025/01	Bern2, LBAP-C	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ2837 *(Approximate)*	10 records, between 30/01/2009 and 25/08/2021	C Alder; Anon; Andy Cawthray; Dave Hunter; Mr Dave Hunter; Mr Dale Hardgrave; Recorder Name withheld (obsr1728926); Dr Anne Brenchley; Recorder Name withheld (obsr425544); Recorder Name withheld (o...	1; 2		Chirk, SW;Castle road;Chirk (aquaduct);Chirk; SJ2837 Chirk SW;Chirk Tunnel North Side	Birdtrack; BirdTrack	D1297/025/01, D1297/026/01, D0346/002/01, D1297/047/01, D0346/003/01	Bern2, LBAP-C	PC, UA
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ2838	06/05/2019	Mr Dale Hardgrave	4		Chirk		D1297/026/01	Bern2, LBAP-C	PC
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ290376	12/03/1978	Recorder Name withheld (obsr38671)	1		Chirk	Male, Adult (1)	D0346/005/01	Bern2, LBAP-C	UA
Dipsacus fullonum (Wild Teasel / Llysiau'r Cribau)	SJ2837	13/08/2014	Denbs Group (Williams, D.)			Chirk South		D1169/004/04	LI-VP-48[LR]	NA
Dipsacus fullonum (Wild Teasel / Llysiau'r Cribau)	SJ2938	19/07/2018	Stead, M.O.			Chirk Green		D1169/004/04	LI-VP-48[LR]	NA
Dipsacus pilosus (Small Teasel / Ffon y Bugail)	SJ2837	2 records, between 1981 and 1982	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LBAP-D, LI-VP-50[LR], LI-VP-51[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Epilobium parviflorum (Hoary Willowherb / Helyglys Lledlwyd)	SJ2837	3 records, between 28/05/2010 and 16/07/2018	Lockton, Mr A.J.; Denbs Group (Williams, D.); Stead, M.O.			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	LI-VP-48	NA
Epilobium parviflorum (Hoary Willowherb / Helyglys Lledlwyd)	SJ3039	01/09/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48	NA
Epilobium parviflorum (Hoary Willowherb / Helyglys Lledlwyd)	SJ2938	19/07/2018	Stead, M.O.			Chirk Green		D1169/004/04	LI-VP-48	NA
Epilobium parviflorum (Hoary Willowherb / Helyglys Lledlwyd)	SJ2937	16/07/2018	Stead, M.O.			Chirk South		D1169/004/04	LI-VP-48	NA
Epilobium tetragonum (Square-stalked Willowherb / Helyglys Pedronglog)	SJ3039	01/09/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LR], LI-VP-49[LR], LI-VP-50[LNS]	NA
Equisetum telmateia (Great Horsetail / Marchrawnen Fawr)	SJ2837	2 records, between 1981 and 13/08/2014	Wainwright, Mrs M.; Denbs Group (Williams, D.)			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	LI-VP-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Equisetum telmateia (Great Horsetail / Marchrawnen Fawr)	SJ2838	2 records, between 12/02/2015 and 17/07/2018	Shanklin, J; Stead, M.O.			Chirk		D1169/004/04	LI-VP-48[LS]	NA
Euphorbia lathyris (Caper Spurge / Llaethlys Caprys)	SJ28923809	12/02/2015	Shanklin, J			Chirk	Scattered plants at side of path	D1169/004/04	CITES-B, GBNNSIP, LBAP-G, LI-VP-49[LS]	NA
Euphorbia lathyris (Caper Spurge / Llaethlys Caprys)	SJ29003809	12/02/2015	Shanklin, J			Chirk Green	A few plants at edge of path, same population as SJ2838	D1169/004/04	CITES-B, GBNNSIP, LBAP-G, LI-VP-49[LS]	NA
Euphorbia lathyris (Caper Spurge / Llaethlys Caprys)	SJ2837	13/08/2014	Denbs Group (Williams, D.)			Chirk South		D1169/004/04	CITES-B, GBNNSIP, LBAP-G, LI-VP-49[LS]	NA
Fallopia convolvulus (Black-bindweed / Y Glymog Ddu)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, LI-VP-48[LS]	NA
Favonius quercus (Purple Hairstreak / Brithribin Porffor)	SJ2937	17/07/1976	R.A. Hume	4 present	Field record	Chirk	At "Vroncysyllte"?	D0217/001/04	LBAP-C	NA
Ficaria verna subsp. verna	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-49[LS]	NA
Glyceria maxima (Reed Sweet-grass / Melyswellt y Gamlas)	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-49[LR], LI-VP-50[LNS]	NA
Glyceria maxima (Reed Sweet-grass / Melyswellt y Gamlas)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-49[LR], LI-VP-50[LNS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Glyceria notata (Plicate Sweet-grass / Melyswellt Plygedig)	SJ3038	11/07/2014	Stead, M.O.			Halton		D1169/004/04	LBAP-G, LI-VP-48[LR], LI-VP-49[LS], LI-VP-50[LNS]	NA
Hypericum hirsutum (Hairy St John's-wort / Eurinllys Blewog)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LR], LI-VP-49[LR], LI-VP-51[LS], LI-VP-52[LR]	NA
Hypericum hirsutum (Hairy St John's-wort / Eurinllys Blewog)	SJ3038	11/07/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LR], LI-VP-49[LR], LI-VP-51[LS], LI-VP-52[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ2839	2 records, between 12/02/2015 and 17/07/2018	Shanklin, J; Stead, M.O.			Chirk		D1169/004/04	LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LR]	NA
Knautia arvensis (Field Scabious / Clafrllys y Maes)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LS]	NA
Lamiastrum galeobdolon subsp. montanum	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LS], LI-VP-49[LS]	NA
Leontodon hispidus (Rough Hawkbit / Peradyl Garw)	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-52[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lysimachia nummularia (Creeping-Jenny / Siani Lusg)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LBAP-G, LI-VP-48, LI-VP-49[LS]	NA
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, LI-VP-48[LS]	NA
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ3038	11/07/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, LI-VP-48[LS]	NA
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ3039	11/07/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, LI-VP-48[LS]	NA
***Mnium stellare* (Starry Thyme-moss)**	SJ2937	**1908**	**Richards, E.A.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LBAP-C, LI-BR-52[LR]**	**NA**
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ29203769 *(Selected from Interactive Map)*	08/12/2018	Kit Twigg	2 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk	On church tower and roof	D1117/001/01	Bern2, LBAP-C, LBAP-T	PC
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442128-106734560	D1852/002/01	Bern2, LBAP-C, LBAP-T	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ2837	03/08/2015	Recorder Name withheld (obsr200324)	2		Chirk Tunnel North Side		D0346/003/01	Bern2, LBAP-C, LBAP-T	UA
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ2839	06/05/2016	Recorder Name withheld (obsr224566)			Chirk Marina		D0346/003/01	Bern2, LBAP-C, LBAP-T	UA
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: H	D1297/025/01	Bern2, LBAP-T	PC
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ2839	5 records, between 12/04/2014 and 08/09/2016	Dave Hunter; Iain S Downie; Julia M Yelloly	2; 12; 4		Chirk, NW	BirdTrack; Bird Track	D1297/025/01	Bern2, LBAP-T	PC
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ2937 *(Approximate)*	6 records, between 08/12/2018 and 25/10/2023	Christopher Twigg; Mr Christopher Twigg	2; 1		Chirk, S;SJ2937 St Marys Churchyard, Chirk	On top of church tower	D1297/025/01, D1297/026/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-T	PC, UA
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ2837 *(Approximate)*	3 records, between 03/08/2015 and 19/05/2021	Dr Anne Brenchley; Recorder Name withheld (obsr425544); Recorder Name withheld (obsr200324)	5		SJ2837 Chirk SW;Chirk	Breeding details: Pair in suitable habitat (P)	D1297/047/01, D0346/003/01	Bern2, LBAP-T	UA
Narcissus pseudonarcissus (Daffodil)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LI-VP-51[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Papaver dubium (Long Smooth-headed Poppy / Pabi Hirben)	SJ2838	09/09/2015	Williams, D.			Chirk	kerbside along B5070	D1169/004/04	GBNNSIP, LI-VP-52	NA
Papaver dubium (Long Smooth-headed Poppy / Pabi Hirben)	SJ2937	16/07/2018	Stead, M.O.			Chirk South		D1169/004/04	GBNNSIP, LI-VP-52	NA
Parus major (Great Tit / Titw Mawr)	SJ29203769 *(Selected from Interactive Map)*	2 records, between 08/12/2018 and 05/01/2019	Kit Twigg	2 Full-Grown; 5 Full-Grown	Live Sighting	St Mary's Churchyard, Chirk		D1117/001/01	Bern2, LBAP-C	PC
Parus major (Great Tit / Titw Mawr)	SJ2938	2 records, between 24/01/2009 and 02/12/2017	Anon; Steven Davies	1		Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442065-106437967; BirdTrack	D1852/002/01, D1297/025/01	Bern2, LBAP-C	PC
Parus major (Great Tit / Titw Mawr)	SJ3039 *(Approximate)*	2 records, between 24/01/2009 and 27/04/2022	Anon; Mr Matt Hines			Chirk Park,Chirk Green	Occurrence ID: NBN-GA000656-BGBW2009-16442800-106437723	D1852/002/01, D1297/050/01	Bern2, LBAP-C	PC, UA
Parus major (Great Tit / Titw Mawr)	SJ2937 *(Approximate)*	31 records, between 24/01/2009 and 26/12/2023	Anon; Christopher Twigg; Mr Christopher Twigg	2; 4; 1; 3; 5; 7; 6		Chirk, S;SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442376-106437781	D1852/002/01, D1297/025/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-C	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Parus major (Great Tit / Titw Mawr)	SJ2837 *(Approximate)*	18 records, between 24/01/2009 and 25/08/2021	Anon; C Alder; Lee Barber; Ian M Spence; Andy Cawthray; Dave Hunter; Mr Dave Hunter; Mr Dale Hardgrave; Recorder Name withheld (obsr1728926); Dr Anne Brenchley; Recorder Name withheld (obsr215723);...	2; 3; 5		Chirk, SW;castle road Chirk;Castle road;Chirk (aquaduct);Chirk; SJ2837 Chirk SW	Occurrence ID: NBN-GA000656-BGBW2009-16441886-106437630; Birdtrack; BirdTrack; Bird Track	D1852/002/01, D1297/025/01, D1297/026/01, D0346/002/01, D1297/047/01, D0346/003/01	Bern2, LBAP-C	PC, UA
Parus major (Great Tit / Titw Mawr)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-106437776	D1852/002/01	Bern2, LBAP-C	PC
Parus major (Great Tit / Titw Mawr)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: FF	D1297/025/01	Bern2, LBAP-C	PC
Parus major (Great Tit / Titw Mawr)	SJ2839	3 records, all on 06/05/2016	Iain S Downie; Julia M Yelloly; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	Bern2, LBAP-C	PC, UA
Parus major (Great Tit / Titw Mawr)	SJ2838	2 records, between 25/03/2017 and 06/05/2019	Mr Dale Hardgrave; Recorder Name withheld (obsr26000)	5; 4		Chirk;Chirk to Llangollen		D1297/026/01, D0346/003/01	Bern2, LBAP-C	PC, UA
Persicaria amphibia (Amphibious Bistort / Canwraidd y Dwr)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-48	NA
Persicaria hydropiper (Water-pepper / Y Dinboeth)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-51[LS]	NA
Petasites hybridus (Butterbur / Alan Mawr)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Petasites hybridus (Butterbur / Alan Mawr)	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LS]	NA
Petasites hybridus (Butterbur / Alan Mawr)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-48[LS]	NA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ2837 *(Approximate)*	6 records, between 19/03/2005 and 19/05/2021	Louise Jones; Elvet Jones; Lee Barber; Ian M Spence; Mr Dale Hardgrave; Dr Anne Brenchley	1 Male; 2	Reported to recorder	Chirk, SW;Chirk (aquaduct);SJ2837 Chirk SW	Singing. Survey: Observer data; BirdTrack; Bird Track; Breeding details: Singing male (S)	D0062/008/01, D1297/025/01, D1297/026/01, D1297/047/01	LBAP-C	NA, PC, UA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: S	D1297/025/01	LBAP-C	PC
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ2939	07/06/2015	Lee Barber	1		Chirk, N	Bird Track	D1297/025/01	LBAP-C	PC
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ2839	3 records, all on 06/05/2016	Julia M Yelloly; Iain S Downie; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	LBAP-C	PC, UA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ2838	2 records, between 25/03/2017 and 06/05/2019	Mr Dale Hardgrave; Recorder Name withheld (obsr26000)	3; 5		Chirk;Chirk to Llangollen		D1297/026/01, D0346/003/01	LBAP-C	PC, UA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ2937 *(Approximate)*	7 records, between 06/04/2019 and 21/06/2023	Mr Christopher Twigg	1; 2		SJ2937 St Marys Churchyard, Chirk		D1297/026/01, D1297/047/01, D1297/050/01, D1297/051/01	LBAP-C	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3039 *(Approximate)*	27/04/2022	Mr Matt Hines			Chirk Park,Chirk Green		D1297/050/01	LBAP-C	UA
***Physcomitrium patens* (Spreading Earth-moss)**	SJ3037	**1972**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LBAP-C, LBAP-F, LI-BR-48[LR], LI-BR-50[LR], LI-BR-51[LR]**	**NA**
***Pleuridium subulatum* (Awl-leaved Earth-moss)**	SJ3037	**1950 to 1991**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LBAP-C**	**NA**
***Pohlia lutescens* (Yellow Thread-moss)**	SJ3037	**1950 to 1988**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LBAP-C, LBAP-F**	**NA**
Polystichum aculeatum (Hard Shield-fern / Gwrychredynen Galed)	SJ2837	2 records, between 1981 and 28/05/2010	Lockton, Mr A.J.; Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48, LI-VP-49[LS]	NA
Polystichum aculeatum (Hard Shield-fern / Gwrychredynen Galed)	SJ2838	2 records, between 12/02/2015 and 17/07/2018	Shanklin, J; Stead, M.O.			Chirk		D1169/004/04	LI-VP-48, LI-VP-49[LS]	NA
Polystichum setiferum (Soft Shield-fern / Gwrychredynen Feddal)	SJ2837	3 records, between 1981 and 17/07/2018	Wainwright, Mrs M.; Denbs Group (Williams, D.); Stead, M.O.			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	LI-VP-48	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Polystichum setiferum (Soft Shield-fern / Gwrychredynen Feddal)	SJ2838	2 records, between 12/02/2015 and 17/07/2018	Shanklin, J; Stead, M.O.			Chirk		D1169/004/04	LI-VP-48	NA
Primula veris (Cowslip / Briallen Fair)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LS]	NA
Primula veris (Cowslip / Briallen Fair)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LI-VP-48[LS]	NA
Ranunculus auricomus (Goldilocks Buttercup / Blodyn-Ymenyn Peneuraid)	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48[LR], LI-VP-49[LS], LI-VP-52[LS]	NA
Reseda lutea (Wild Mignonette / Melengu Wyllt Ddi-Sawr)	SJ2837	July 1939	Lloyd, Miss E.R.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LBAP-G, LI-VP-49[LR], LI-VP-50[LS], LI-VP-51[LS]	NA
Rhinanthus minor (Yellow-rattle / Cribell Felen)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LBAP-A	NA
Rubus echinatoides	SJ2937	25/08/2006	Earl, Mr D.P., Earl, Mrs J.			Chirk Bank		D1907/001/02	LI-VP-50[LS]	NA
Rumex hydrolapathum (Water Dock / Tafol y Dwr)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LBAP-G, LI-VP-48[LS], LI-VP-49[LR], LI-VP-50[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Rumex hydrolapathum (Water Dock / Tafol y Dwr)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	LBAP-G, LI-VP-48[LS], LI-VP-49[LR], LI-VP-50[LS]	NA
Sagina apetala (Annual Pearlwort / Corwlyddyn Unflwydd)	SJ2837	13/08/2014	Denbs Group (Williams, D.)			Chirk South		D1169/004/04	LI-VP-51	NA
Sagina apetala (Annual Pearlwort / Corwlyddyn Unflwydd)	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-51	NA
Sagina apetala subsp. apetala	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-51[LR]	NA
Sagina apetala subsp. apetala	SJ2837	16/07/2018	Stead, M.O.			Chirk South		D1169/004/04	LI-VP-51[LR]	NA
Salix cinerea subsp. oleifolia (Rusty Willow)	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-52	NA
Salix cinerea subsp. oleifolia (Rusty Willow)	SJ2938	11/05/2014	Stead, M.O.			Chirk Green		D1169/004/04	LI-VP-52	NA
Scrophularia auriculata (Water Figwort / Gwrnerth y Dwr)	SJ2837	2 records, between 1981 and 28/05/2010	Lockton, Mr A.J.; Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LR]	NA
Scrophularia auriculata (Water Figwort / Gwrnerth y Dwr)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	LI-VP-48[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Scrophularia auriculata (Water Figwort / Gwrnerth y Dwr)	SJ2839	2 records, between 12/02/2015 and 17/07/2018	Shanklin, J; Stead, M.O.			Chirk		D1169/004/04	LI-VP-48[LR]	NA
Scrophularia auriculata (Water Figwort / Gwrnerth y Dwr)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	LI-VP-48[LR]	NA
Scutellaria galericulata (Skullcap / Cycyllog)	SJ2837	2 records, between 13/08/2014 and 16/07/2018	Denbs Group (Williams, D.); Stead, M.O.			Chirk South	On opposite side to towpath	D1169/004/04	LI-VP-51[LS]	NA
Silene latifolia (White Campion / Gludlys Gwyn)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, LI-VP-48[LS]	NA
Silene latifolia (White Campion / Gludlys Gwyn)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	GBNNSIP, LI-VP-48[LS]	NA
Sitta europaea (Nuthatch / Delor y Cnau)	SJ2837 *(Approximate)*	10 records, between 24/01/2009 and 19/05/2021	Anon; C Alder; Lee Barber; Ian M Spence; Mr Dave Hunter; Mr Neil Onley; Dr Anne Brenchley; Recorder Name withheld (obsr200324)	2; 1		Chirk, SW;castle road Chirk;Castle road;Chirk Aqueduct;SJ2837 Chirk SW;Chirk Tunnel North Side	Occurrence ID: NBN-GA000656-BGBW2009-16441942-106734627; Birdtrack; BirdTrack; Bird Track	D1852/002/01, D1297/025/01, D1297/026/01, D1297/047/01, D0346/003/01	Bern2, LBAP-C	PC, UA
Sitta europaea (Nuthatch / Delor y Cnau)	SJ2937 *(Approximate)*	12 records, between 24/01/2009 and 23/11/2023	Anon; Mr Christopher Twigg	2; 3; 6; 1		SJ2937 St Marys Churchyard, Chirk	Occurrence ID: NBN-GA000656-BGBW2009-16442314-106734785	D1852/002/01, D1297/026/01, D1297/039/01, D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-C	PC, UA

- PUBLIC VERSION -

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sitta europaea (Nuthatch / Delor y Cnau)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-106734572	D1852/002/01	Bern2, LBAP-C	PC
Sitta europaea (Nuthatch / Delor y Cnau)	SJ2839	2 records, both on 06/05/2016	Iain S Downie; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	Bern2, LBAP-C	PC, UA
Sparganium emersum (Unbranched Bur-reed / Cleddlys Di-Gainc)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LBAP-G, LI-VP-49[LS], LI-VP-51[LR]	NA
Spinus spinus (Siskin / Pila Gwyrdd)	SJ2938	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442250-106817434	D1852/002/01	Bern2, LBAP-C	PC
Spinus spinus (Siskin / Pila Gwyrdd)	SJ2837 *(Approximate)*	19/05/2021	Dr Anne Brenchley			SJ2837 Chirk SW		D1297/047/01	Bern2, LBAP-C	UA
Spinus spinus (Siskin / Pila Gwyrdd)	SJ2937 *(Approximate)*	4 records, between 21/10/2021 and 26/12/2023	Mr Christopher Twigg	1; 2		SJ2937 St Marys Churchyard, Chirk		D1297/047/01, D1297/050/01, D1297/051/01	Bern2, LBAP-C	UA
Stellaria pallida (Lesser Chickweed / Gwlyddyn-y-Dom Bach)	SJ28693780	12/04/2018	Stead, M.O.			Chirk South	Grassed area of corner to ind estate	D1169/004/04	LI-VP-48[LS]	NA
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ2939	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442251-105771424	D1852/002/01	LBAP-C	PC
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ3038	28/05/2017	Neil Hughes	1		Chirk, E	BirdTrack. Activty: S	D1297/025/01	LBAP-C	PC

- PUBLIC VERSION -

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ2839	2 records, both on 06/05/2016	Iain S Downie; Recorder Name withheld (obsr224566)			Chirk, NW;Chirk Marina	BirdTrack	D1297/025/01, D0346/003/01	LBAP-C	PC, UA
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ2837 *(Approximate)*	7 records, between 27/01/2009 and 19/05/2021	C Alder; Anon; Mr Dale Hardgrave; Dr Anne Brenchley	1; 2; 1 Female		Chirk, SW;Chirk (aquaduct);SJ283 7 Chirk SW	Birdtrack; BirdTrack; Breeding details: Singing male (S)	D1297/025/01, D1297/026/01, D1297/047/01	LBAP-C	PC, UA
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ2838	06/05/2019	Mr Dale Hardgrave	6		Chirk		D1297/026/01	LBAP-C	PC
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ2937 *(Approximate)*	6 records, between 01/05/2019 and 21/06/2023	Mr Christopher Twigg	1; 3		SJ2937 St Marys Churchyard, Chirk	Male	D1297/026/01, D1297/039/01, D1297/050/01, D1297/051/01	LBAP-C	PC, UA
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ297382 *(Selected from Interactive Map)*	06/04/2021	Tom Knight	3		Brynkinallt CP	Singing.	D1748/001/01	LBAP-C	UA
Tanacetum parthenium (Feverfew / Y Wermod Wen)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, LI-VP-48	NA
Tanacetum parthenium (Feverfew / Y Wermod Wen)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	GBNNSIP, LI-VP-48	NA
Tanacetum parthenium (Feverfew / Y Wermod Wen)	SJ2838	12/02/2015	Shanklin, J			Chirk		D1169/004/04	GBNNSIP, LI-VP-48	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Tanacetum vulgare (Tansy / Ystrewlys)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LI-VP-48[LS]	NA
Thlaspi arvense (Field Penny-cress / Codywasg y Maes)	SJ2839	22/05/1987	Morgan, Ms V.M.			Chirk	Associated species with Senecio cambrensis. 1st for 10km	D1169/004/04	GBNNSIP, LBAP-G, LI-VP-49[LS], LI-VP-51[LS]	NA
Tilia cordata (Small-leaved Lime / Pisgwydden Dail Bach)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48, LI-VP-49[LR], LI-VP-51[LR]	NA
Tragopogon pratensis (Goat's-beard / Barf y Bwch)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	LI-VP-48[LS]	NA
Ulmus procera (English Elm / Llwyfen Lloegr)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	LI-VP-48[LS]	NA
Veronica agrestis (Green Field-speedwell / Rhwyddlwyn-y-Maes Gwyrdd)	SJ3039	01/09/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, LI-VP-48[LS]	NA
Veronica agrestis (Green Field-speedwell / Rhwyddlwyn-y-Maes Gwyrdd)	SJ2938	19/10/2014	Stead, M.O.			Chirk Green		D1169/004/04	GBNNSIP, LI-VP-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ3038	11/05/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48, LI-VP-52[LS]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ2837	13/08/2014	Denbs Group (Williams, D.)			Chirk South		D1169/004/04	LI-VP-48, LI-VP-52[LS]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ3039	01/09/2014	Stead, M.O.			Halton		D1169/004/04	LI-VP-48, LI-VP-52[LS]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	LI-VP-48, LI-VP-52[LS]	NA
Viola arvensis (Field Pansy / Trilliw'r Tir Âr)	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, LI-VP-48[LS]	NA
Viola odorata (Sweet Violet / Fioled Bêr)	SJ2839	13/03/2018	Swindells, S.			Chirk	Llangollen Canal North	D1169/004/04	LI-VP-48[LR]	NA
Viscum album (Mistletoe / Uchelwydd)	SJ2837	Before 24/11/2020	Salusbury, Rev W.			Pont-Faen		D1907/001/02	LI-VP-48[LR], LI-VP-50[LS], LI-VP-51	NA
Vulpia myuros (Rat's-tail Fescue / Peisgwellt y Fagwyr)	SJ2937	16/07/2018	Stead, M.O.			Chirk South		D1169/004/04	GBNNSIP, LBAP-G, LI-VP-49[LS]	NA

- PUBLIC VERSION -

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Vulpia myuros (Rat's-tail Fescue / Peisgwellt y Fagwyr)	SJ2837	16/07/2018	Stead, M.O.			Chirk South		D1169/004/04	GBNNSIP, LBAP-G, LI-VP-49[LS]	NA

- PUBLIC VERSION -

Designation List - INNS										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ2839	05/08/2014	Dave Hunter	1		Chirk, NW	BirdTrack	D1297/025/01	Bonn2, GBNNSIP, INNS, INNS-W, WCA9	PC
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ2837	3 records, between 05/04/2013 and 18/08/2020	Recorder name withheld (obsr1725195); Recorder Name withheld (obsr215723); Recorder Name withheld (obsr183978)	1; 2		LL14, Wrexham;Chirk		D0346/001/01, D0346/003/01	Bonn2, GBNNSIP, INNS, INNS-W, WCA9	PC
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ2937 *(Approximate)*	01/05/1997	TW Edwards	1		Chirk Bank/Shrops Union Canal	Male on R. Ceiriog.	D1297/042/01	Bonn2, GBNNSIP, INNS, INNS-W, WCA9	PC
Branta canadensis (Canada Goose / Gwydd Canada)	SJ2837 *(Approximate)*	3 records, between 05/04/2013 and 19/05/2021	Dr Anne Brenchley; Recorder Name withheld (obsr215723); Recorder Name withheld (obsr183978)	4		SJ2837 Chirk SW;Chirk		D1297/047/01, D0346/003/01	BDir2.1, Bonn2, GBNNSIP, INNS, INNS-W, WCA9	UA
Branta canadensis (Canada Goose / Gwydd Canada)	SJ2839 *(Approximate)*	06/05/2023	Mr Paul Bearman					D1297/051/01	BDir2.1, Bonn2, GBNNSIP, INNS, INNS-W, WCA9	UA
Cotoneaster horizontalis (Wall Cotoneaster / Cotoneaster Asgwrn Pysgodyn)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	GBNNSIP, INNS, INNS-W, WCA9	NA
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ2938	19/07/2018	Stead, M.O.			Chirk Green		D1169/004/04	GBNNSIP, INNS, INNS-W, WCA9	NA

- PUBLIC VERSION

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ3039	01/09/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, INNS, INNS-W, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ2947537280	2 records, between 2011 and Summer 2012	Anon - Welsh Dee Trust; Welsh Dee Trust			Right Hand Bank/Left Hand Bank	Bank: Right Hand Bank/Left Hand Bank	D1586/010/01, D1586/013/01	GBNNSIP, INNS, INNS-W, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ295373	07/05/1995	Environment Agency			Ceiriog		D1931/001/01	GBNNSIP, INNS, INNS-W, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ2837	2 records, between 1981 and 28/05/2010	Lockton, Mr A.J.; Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA
Harmonia axyridis (Harlequin Ladybird)	SJ292378	23/03/2010	Kelly, S.			Wrexham, 20 Church View, Chirk	1 succinea. Garden	D1097/002/04	GBNNSIP, INNS	NA
Harmonia axyridis (Harlequin Ladybird)	SJ28443785	15/11/2016	Keever, Derek	1 Adult		Chirk train station	Additional information available on iRecord.	D1844/005/03	GBNNSIP, INNS	NA
Harmonia axyridis (Harlequin Ladybird)	SJ28963775	2 records, both on 01/08/2015	P, H	Adult			Additional information available on iRecord.	D1844/005/03	GBNNSIP, INNS	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Harmonia axyridis (Harlequin Ladybird)	SJ289377	3 records, between 07/10/2014 and 12/10/2014	P, H	Adult			Additional information available on iRecord.	D1844/005/03	GBNNSIP, INNS	NA
Harmonia axyridis (Harlequin Ladybird)	SJ290377	2 records, between 09/10/2014 and 12/10/2014	P, H	Adult			Additional information available on iRecord.	D1844/005/03	GBNNSIP, INNS	NA
Heracleum mantegazzianum (Giant Hogweed / Efwr Enfawr)	SJ3039	11/05/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, INNS, INNS-IAS, INNS-W, WCA9	NA
Impatiens glandulifera (Himalayan Balsam / Jac y Neidiwr)	SJ2837	28/05/2010	Lockton, Mr A.J.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, INNS, INNS-IAS, INNS-W, WCA9	NA
Impatiens glandulifera (Himalayan Balsam / Jac y Neidiwr)	SJ3038	11/07/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, INNS, INNS-IAS, INNS-W, WCA9	NA
Lamiastrum galeobdolon subsp. argentatum (Variegated Yellow Archangel)	SJ2838	12/02/2015	Shanklin, J			Chirk		D1169/004/04	GBNNSIP, INNS, INNS-W, WCA9	NA
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	GBNNSIP, INNS, INNS-W	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2837	3 records, between 1981 and 16/07/2018	Wainwright, Mrs M.; Denbs Group (Williams, D.); Stead, M.O.			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	GBNNSIP, INNS, INNS-W	NA
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	GBNNSIP, INNS, INNS-W	NA
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	GBNNSIP, INNS, INNS-W	NA
Neovison vison (American Mink / Minc)	SJ2839	April 2012 to March 2013	Anon				2 dead from this 1km square as part of mink cull project	D1528/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA
Rhododendron ponticum / Rhododendron Wyllt	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA
Rosa rugosa (Japanese Rose / Rhosyn Japan)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	GBNNSIP, INNS, INNS-W, WCA9	NA

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Designation List - INNS-W										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ2839	05/08/2014	Dave Hunter	1		Chirk, NW	BirdTrack	D1297/025/01	Bonn2, GBNNSIP, INNS, INNS-W, WCA9	PC
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ2837	3 records, between 05/04/2013 and 18/08/2020	Recorder name withheld (obsr1725195); Recorder Name withheld (obsr215723); Recorder Name withheld (obsr183978)	1; 2		LL14, Wrexham;Chirk		D0346/001/01, D0346/003/01	Bonn2, GBNNSIP, INNS, INNS-W, WCA9	PC
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ2937 *(Approximate)*	01/05/1997	TW Edwards	1		Chirk Bank/Shrops Union Canal	Male on R. Ceiriog.	D1297/042/01	Bonn2, GBNNSIP, INNS, INNS-W, WCA9	PC
Branta canadensis (Canada Goose / Gwydd Canada)	SJ2837 *(Approximate)*	3 records, between 05/04/2013 and 19/05/2021	Dr Anne Brenchley; Recorder Name withheld (obsr215723); Recorder Name withheld (obsr183978)	4		SJ2837 Chirk SW;Chirk		D1297/047/01, D0346/003/01	BDir2.1, Bonn2, GBNNSIP, INNS, INNS-W, WCA9	UA
Branta canadensis (Canada Goose / Gwydd Canada)	SJ2839 *(Approximate)*	06/05/2023	Mr Paul Bearman					D1297/051/01	BDir2.1, Bonn2, GBNNSIP, INNS, INNS-W, WCA9	UA
Buddleja davidii (Butterfly-bush / Y Gynffon Las)	SJ2837	2 records, between 13/08/2014 and 16/07/2018	Denbs Group (Williams, D.); Stead, M.O.			Chirk South		D1169/004/04	GBNNSIP, INNS-W	NA
Buddleja davidii (Butterfly-bush / Y Gynffon Las)	SJ2839	13/03/2018	Swindells, S.			Chirk	Llangollen Canal North	D1169/004/04	GBNNSIP, INNS-W	NA
Buddleja davidii (Butterfly-bush / Y Gynffon Las)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	GBNNSIP, INNS-W	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Cotoneaster horizontalis (Wall Cotoneaster / Cotoneaster Asgwrn Pysgodyn)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	GBNNSIP, INNS, INNS-W, WCA9	NA
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ2938	19/07/2018	Stead, M.O.			Chirk Green		D1169/004/04	GBNNSIP, INNS, INNS-W, WCA9	NA
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ3039	01/09/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, INNS, INNS-W, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ2947537280	2 records, between 2011 and Summer 2012	Anon - Welsh Dee Trust; Welsh Dee Trust			Right Hand Bank/Left Hand Bank	Bank: Right Hand Bank/Left Hand Bank	D1586/010/01, D1586/013/01	GBNNSIP, INNS, INNS-W, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ295373	07/05/1995	Environment Agency			Ceiriog		D1931/001/01	GBNNSIP, INNS, INNS-W, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ2837	2 records, between 1981 and 28/05/2010	Lockton, Mr A.J.; Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA
Heracleum mantegazzianum (Giant Hogweed / Efwr Enfawr)	SJ3039	11/05/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, INNS, INNS-IAS, INNS-W, WCA9	NA
Impatiens glandulifera (Himalayan Balsam / Jac y Neidiwr)	SJ2837	28/05/2010	Lockton, Mr A.J.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, INNS, INNS-IAS, INNS-W, WCA9	NA
Impatiens glandulifera (Himalayan Balsam / Jac y Neidiwr)	SJ3038	11/07/2014	Stead, M.O.			Halton		D1169/004/04	GBNNSIP, INNS, INNS-IAS, INNS-W, WCA9	NA
Lamiastrum galeobdolon subsp. argentatum (Variegated Yellow Archangel)	SJ2838	12/02/2015	Shanklin, J			Chirk		D1169/004/04	GBNNSIP, INNS, INNS-W, WCA9	NA
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2937	1981	Wainwright, Mrs M.			Chirk Bank		D1907/001/02	GBNNSIP, INNS, INNS-W	NA
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2837	3 records, between 1981 and 16/07/2018	Wainwright, Mrs M.; Denbs Group (Williams, D.); Stead, M.O.			River Ceiriog at Pont-faen Bridge;Chirk South		D1907/001/02, D1169/004/04	GBNNSIP, INNS, INNS-W	NA

- PUBLIC VERSION -

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2838	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	GBNNSIP, INNS, INNS-W	NA
Mimulus guttatus (Monkeyflower / Blodyn Mwnci)	SJ2839	17/07/2018	Stead, M.O.			Chirk		D1169/004/04	GBNNSIP, INNS, INNS-W	NA
Neovison vison (American Mink / Minc)	SJ2839	April 2012 to March 2013	Anon				2 dead from this 1km square as part of mink cull project	D1528/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA
Picea sitchensis (Sitka Spruce / Sbriwsen Sitca)	SJ2837	13/08/2014	Denbs Group (Williams, D.)			Chirk South	Planted	D1169/004/04	GBNNSIP, INNS-W	NA
Rhododendron ponticum / Rhododendron Wyllt	SJ2837	1981	Wainwright, Mrs M.			River Ceiriog at Pont-faen Bridge		D1907/001/02	GBNNSIP, INNS, INNS-W, WCA9	NA
Rosa rugosa (Japanese Rose / Rhosyn Japan)	SJ29253766	18/05/2021	Duffell, Mark			St Mary, Chirk	Additional information available on iRecord	D1638/002/01	GBNNSIP, INNS, INNS-W, WCA9	NA
Sciurus carolinensis (Grey Squirrel / Gwiwer Lwyd)	SJ284380	12/05/2023	Pearce, Troy	2-5 Adult		Mondelez Factory Chirk	Additional information available on iRecord	D1638/002/01	GBNNSIP, INNS-IAS, INNS-W, WCA9	NA
Vinca major (Greater Periwinkle / Perfagl Fawr)	SJ2939	13/03/2018	Swindells, S.			Chirk	The Lodge	D1169/004/04	GBNNSIP, INNS-W	NA

- PUBLIC VERSION -

Sites - 38 records	
Sites of Special Scientific Interest intersecting 1000m buffer	Afon Dyfrdwy (River Dee) (2554) (858m)
Special Areas of Conservation intersecting 1000m buffer	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (England) (UK0030252) (866m), River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales) (UK0030252) (858m)
Wildlife Sites intersecting 1000m buffer	Coed Y Camlas/Canal Wood (Wrexham W232) (986m)
Scheduled Ancient Monuments intersecting 1000m buffer	The Holyhead Road: the Chirk Embankment and Earlier Trackways (DE288) (775m), Castell y Waun Castle Mound (DE117) (722m)
Listed Buildings intersecting 1000m buffer	The Mount, with front garden railings and gate (616) (708m), ,5,Hand Terrace,Chirk,Wrexham,,LL14 5EU (20220) (513m), Lychgate outside Church of St Mary (20203) (681m), ,1,Castle Road,Chirk,Wrexham,,LL14 5BS (20257) (698m), St Michael's Nursing Home (20274) (697m), Trevor House (617) (696m), ,2,Hand Terrace,Chirk,Wrexham,,LL14 5EU (20217) (523m), Chirk Surgery (20256) (708m), Sundial in churchyard of the Church of St Mary (20204) (687m), Chirk Furniture and Carpet Centre and Dwelling (1290) (424m), Chirk Town Council Offices (20215) (384m), Chirk Mill (20258) (969m), Gates, Piers and Railings to the W Gate of Brynkinallt Park (20207) (612m), Bryn Coed (20249) (766m), Bryn Eglwys (20255) (717m), Telford Milestone (83) (20236) (359m), ,3,Hand Terrace,Chirk,Wrexham,,LL14 5EU (20218) (521m), Milestone (20212) (721m), Chirk Lodge, Brynkinallt Park (20206) (605m), ,6,Hand Terrace,Chirk,Wrexham,,LL14 5EU (20221) (509m), War Memorial (20202) (593m), Trevor Mausoleum in churchyard of the Church of St Mary (20208) (622m), South Gate Piers to Chirk Town Council Offices (20229) (419m), Whitewalls (20259) (999m), ,7,Hand Terrace,Chirk,Wrexham,,LL14 5EU (20222) (508m), ,1,Hand Terrace,Chirk,Wrexham,,LL14 5EU (20216) (528m), North Gate Piers to Chirk Town Council Offices (20228) (395m), Ward Monument in churchyard of the Church of St Mary (20205) (679m), Hand Hotel (1298) (581m), Church of St Mary (615) (664m), ,4,Hand Terrace,Chirk,Wrexham,,LL14 5EU (20219) (519m)
Important Invertebrate Areas intersecting 1000m buffer	North East Wales (0m)

Special Areas of Conservation		
Site Code	Site Name	Link
UK0030252	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (England)	More Information
UK0030252	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	More Information

Wildlife Sites		
Site Code	Site Name	Link
Wrexham W232	Coed Y Camlas/Canal Wood	More Information

Scheduled Ancient Monuments					
Site Code	Site Name	Class	Period	Site Type	Link
DE288	The Holyhead Road: the Chirk Embankment and Earlier Trackways	Transport	Post Medieval/Modern	Road	More Information
DE117	Castell y Waun Castle Mound	Defence	Medieval	Motte	More Information

Listed Buildings

PUBLIC VERSION

Site Code	Site Name	Grade	Classification	Location	Link
616	The Mount, with front garden railings and gate	II	Domestic	Chirk	More Information
20220	,5,Hand Terrace,Chirk,Wrexham,,LL14 5EU	II	Domestic	Chirk	More Information
20203	Lychgate outside Church of St Mary	II	Religious, Ritual and Funerary	Chirk	More Information
20257	,1,Castle Road,Chirk,Wrexham,,LL14 5BS	II	Domestic	Chirk	More Information
20274	St Michael's Nursing Home	II	Health and Welfare	Chirk	More Information
617	Trevor House	II	Domestic	Chirk	More Information
20217	,2,Hand Terrace,Chirk,Wrexham,,LL14 5EU	II	Domestic	Chirk	More Information
20256	Chirk Surgery	II	Health and Welfare	Chirk	More Information
20204	Sundial in churchyard of the Church of St Mary	II	Religious, Ritual and Funerary	Chirk	More Information
1290	Chirk Furniture and Carpet Centre and Dwelling	II	Education	Chirk	More Information
20215	Chirk Town Council Offices	II	Civil	Chirk	More Information
20258	Chirk Mill	II	Commercial	Chirk	More Information
20207	Gates, Piers and Railings to the W Gate of Brynkinallt Park	II	Gardens, Parks and Urban Spaces	Chirk	More Information
20249	Bryn Coed	II	Domestic	Chirk	More Information
20255	Bryn Eglwys	II	Domestic	Chirk	More Information
20236	Telford Milestone (83)	II	Transport	Chirk	More Information
20218	,3,Hand Terrace,Chirk,Wrexham,,LL14 5EU	II	Domestic	Chirk	More Information
20212	Milestone	II	Transport	Chirk	More Information
20206	Chirk Lodge, Brynkinallt Park	II	Gardens, Parks and Urban Spaces	Chirk	More Information
20221	,6,Hand Terrace,Chirk,Wrexham,,LL14 5EU	II	Domestic	Chirk	More Information
20202	War Memorial	II*	Commemorative	Chirk	More Information
20208	Trevor Mausoleum in churchyard of the Church of St Mary	II	Religious, Ritual and Funerary	Chirk	More Information
20229	South Gate Piers to Chirk Town Council Offices	II	Civil	Chirk	More Information

- PUBLIC VERSION -

Site Code	Site Name	Grade	Classification	Location	Link
20259	Whitewalls	II	Domestic	Chirk	More Information
20222	,7,Hand Terrace,Chirk,Wrexham,,LL14 5EU	II	Domestic	Chirk	More Information
20216	,1,Hand Terrace,Chirk,Wrexham,,LL14 5EU	II	Domestic	Chirk	More Information
20228	North Gate Piers to Chirk Town Council Offices	II	Civil	Chirk	More Information
20205	Ward Monument in churchyard of the Church of St Mary	II	Religious, Ritual and Funerary	Chirk	More Information
1298	Hand Hotel	II	Commercial	Chirk	More Information
615	Church of St Mary	I	Religious, Ritual and Funerary	Chirk	More Information
20219	,4,Hand Terrace,Chirk,Wrexham,,LL14 5EU	II	Domestic	Chirk	More Information

Important Invertebrate Areas		
Site Code	**Site Name**	**Link**
	North East Wales	More Information

- PUBLIC VERSION -

Ancient Woodland				
Habitat	Distance	Area	Coverage	At Search Location
Restored Ancient Woodland Site	471m - 984m	8.203ha	2.612%	No
Plantation on Ancient Woodland Site	617m - 930m	3.4ha	1.083%	No
Ancient Semi Natural Woodland	760m	0.332ha	0.106%	No

Phase 1 Habitat Survey				
Habitat	Distance	Area	Coverage	At Search Location
B.4 - Improved Grassland	234m - 983m	136.046ha	43.322%	No
J.3.6 - Buildings	0m - 989m	105.509ha	33.598%	Yes
J.3.7 - Track	50m	23.121ha	7.363%	No
A.1.2.2 - Planted Coniferous Woodland	608m - 943m	9.54ha	3.038%	No
A.1.1.2 - Planted Broad-leaved Woodland	309m - 995m	7.691ha	2.449%	No
J.1.2 - Amenity Grassland	33m - 754m	6.734ha	2.144%	No
B.2.2 - Semi-improved Neutral Grassland	241m - 912m	5.36ha	1.707%	No
A.1.3.2 - Planted Mixed Woodland	174m - 881m	5.022ha	1.599%	No
A.1.1.1 - Semi-natural Broad-leaved Woodland	717m - 990m	4.173ha	1.329%	No
J.1.5 - Gardens	516m - 721m	1.73ha	0.551%	No
J.4 - Bare Ground	227m	1.627ha	0.518%	No
C.3.1 - Tall Ruderal Herb	598m - 780m	1.192ha	0.38%	No
B.5 - Marshy Grassland	730m	0.688ha	0.219%	No
N/A	88m - 841m	0.679ha	0.216%	No
G.2 - Running Water	860m	0.362ha	0.115%	No
G.1 - Standing Water	402m - 591m	0.204ha	0.065%	No
J.1.1 - Arable	972m - 999m	0.174ha	0.055%	No
J.3.4 - Caravan Site	99m	0.088ha	0.028%	No

Ancient Tree Inventory				
Habitat	Distance	Area	Coverage	At Search Location
Notable tree	592m - 969m	0ha	0%	No
Veteran tree	377m - 668m	0ha	0%	No

Section 7 Habitats of Principal Importance

PUBLIC VERSION -

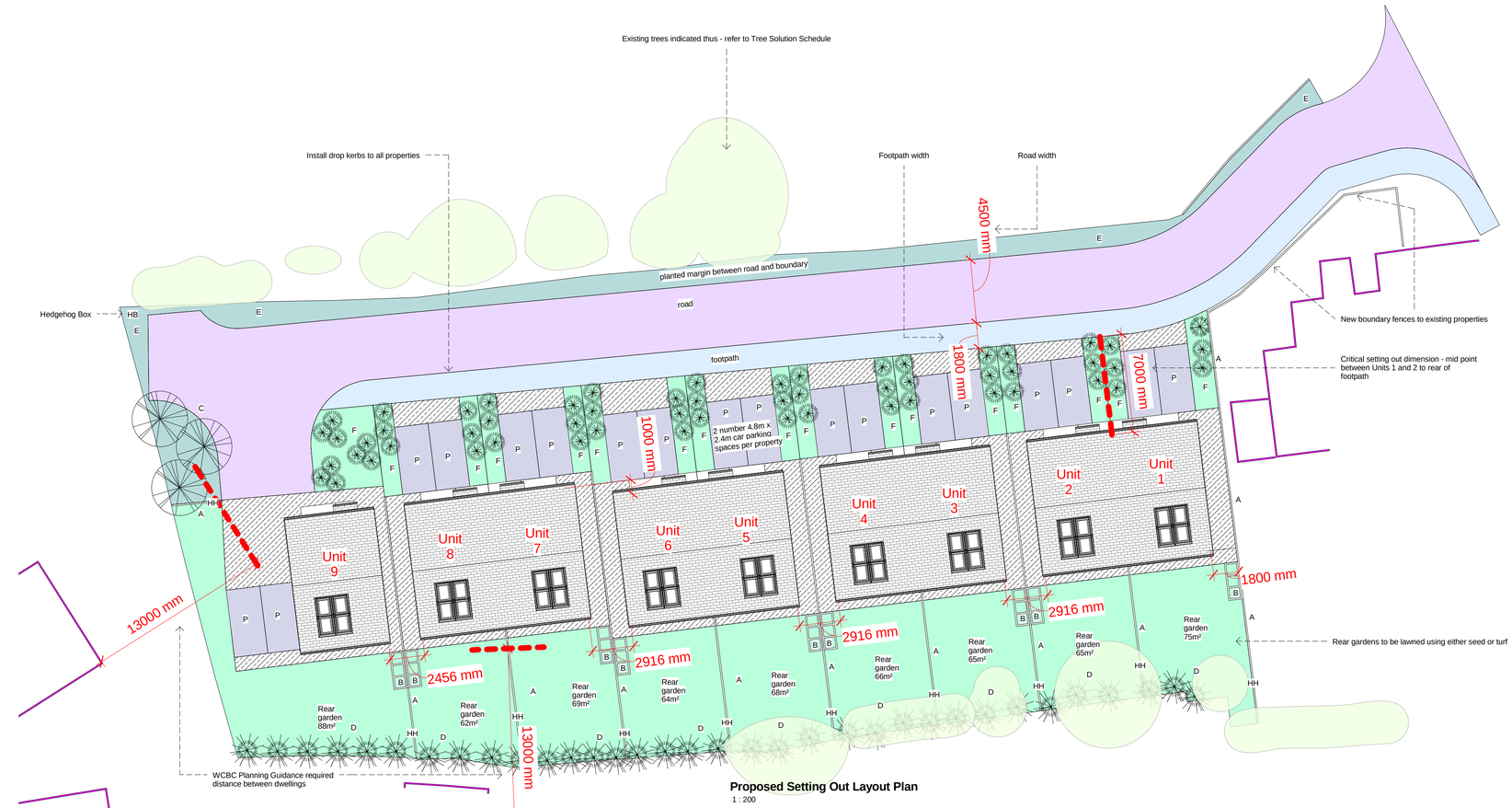
Habitat	Distance	Area	Coverage	At Search Location
Wood-pasture and parkland	250m	33.637ha	10.711%	No
Purple moor grass and rush pastures	730m	0.688ha	0.219%	No
Traditional orchard	352m - 989m	0.132ha	0.042%	No

- PUBLIC VERSION -

Documents - spatially referenced documents found within the search area

- PUBLIC VERSION -

10 APPENDIX 3 – COPY OF BH ARCHITECTS LTD PLANS WITH NBB MEASURES



Proposed Setting Out Layout Plan
1 : 200



Proposed 3D Site View

External structuers:

'A' - 1.8m high close boarded timber fence include Hedgehog highways through each respective fence indicated 'HH'

'B' - 3 bay timber Bin Store with hinged roof and hinged gate to accommodate black, green wheelie, grey / green box and food caddy

Biodiversity Enhancement measures: - see also elevations for location of bird/bat boxes

'C'. Planting of three trees as follows -

1 Crab Apple (Malus) 15 litre size
1 Wild Plum Tree (Prunus myrobalana) 15 litre size
1 Mountain Ash (Rowan) 15 Litre size

Underplant the above with a mix of *Crocus tommasinianus* (Early Crocus) and *Crocus speciosus* (Autumn Crocus)

Management - Trees should be planted between November and March and protected from damage from livestock or rabbits by fencing or guards, water in periods of dry weather

'D' - Plant new native hedges -

Hedges should be made of 5 species consisting of:
80-85% - Blackthorn (Prunus spinosa) / Hawthorn (Crataegus monogyna)
5 - 15% - Field Maple (Acer campestre)
0-5% - Holly (Ilex aquifolium)

Choose 60cm+ bare-rooted transplants or pot grown for some species such as Holly

Plant between October and March, provided the ground is not frozen or flooded and ensure bare rooted plants do not dry out before planting.

Plants should be supplied in accordance with the Horticultural Trade Association's National Plant specification and be sourced from a nursery that is a Member of the Horticultural Trades Association Nursery Certification Scheme.

Plant in trenches large enough to take full spread of roots (20cm depth x 40cm width). Back fill with a previously prepared mixture of topsoil excavated from the pit, together with suitable compost and additional topsoil as required.
· Plant in a double staggered row approximately 30cm apart and set out evenly.
· The base of the hedge should be mulched with a 50-75mm layer of composted bark to stop weed growth and retain moisture in the soil.
· Where necessary, protect plants from damage and grazing by using protective tubes or spiral guards.

Management - Water the hedge for the first summer or any dry period in the 1st 12 months. Maintain weed control for at least 2 seasons and replace any stock that dies within the first year.

'E' - Sow wildflower Grassland -

Sow native seed from a trusted and reputable supplier e.g. Wild Flower Habitat Seed Mixes etc. where mixes can be bought for various sites and soil conditions, obtain suppliers advice on ground preparation and general instructions can be found from; Wildflower meadow: establishment / RHS Gardening

Management - Grasslands should be cut a maximum of twice per year (early March and mid-late August) and then all arising removed to reduce fertility and provide improved conditions for wild flowers

Landscaping schedule:

'F' - Shrubs and soft landscaping to be planted in groups of 1 or 3 (as identified on the plan) at 1m centres and within a weed free area and mulched in 75mm thick bark - consisting of:

Soft landscaping with low shrubs and perennials consisting of:
-
· Hebe
· Buxaceae
. Acer campestre
. Corylus avellana
. Viburnum opulus
· mixed bulbs as identified in RHS guide 'Plants for Pollinators' - evenly distributed on each plot

Ensure the shrubs and soft landscaping areas are kept weed free for the first year and regularly water as required by weather

Rear lawns to be 'flowering lawns', for example:
https://meadowmania.co.uk/products/wildflower-meadow-for-lawns and seeded in either Spring or Autumn. Ensure the areas are weed free, de-stone and rake to uniform levels. Carry out maintenance programme during the first growing season including watering as weather dictates

Proposed landscaping to be completed during the first planting season following completion of the development

The Contractor is responsible for checking all dimensions - any discrepancy to be brought to the attention of the client before proceeding with the work.

Where an item is covered by drawings of different scales, the larger scale drawing takes precedence.

Do not scale drawings - measured dimensions to be worked in all cases.

Revisions:
10th July 2024
- Ecology, landscaping and bio-diversity amended

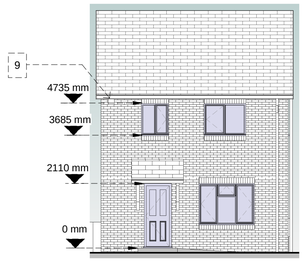
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Company Number 9280139
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site address
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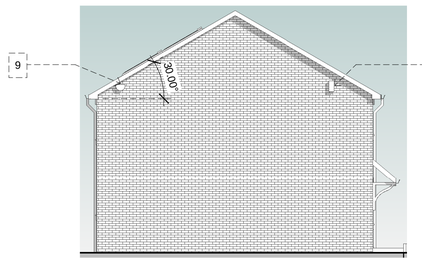
project
Proposed Residential Development

description & scale
Proposed Setting Out and Landscaping Plan
Scale as shown when printed at A1

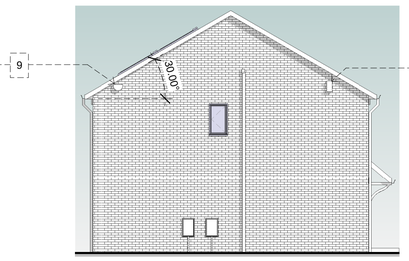
date	project number	drawing number	revision
Jan. 2024	22/208	EL/02	F



House Type A - Proposed Front Elevation
1 : 100



House Type A - Proposed Side Elevation 1
1 : 100

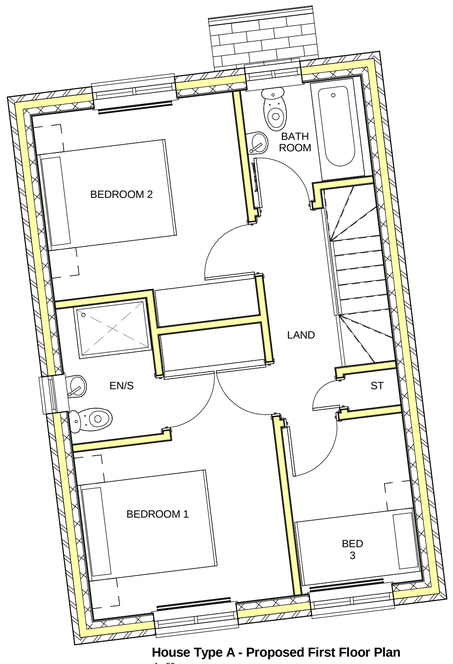


House Type B and C - Proposed Side Elevation 1
1 : 100

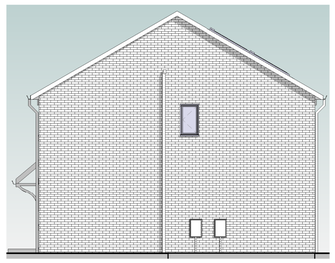


House Type B and C - Proposed Front Elevation
1 : 100

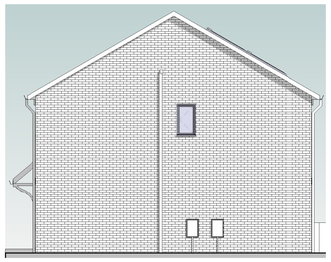
External materials -
1. Facing brickwork - sample to be submitted to Planning Authority prior to construction
2. Marley Modern grey concrete roofing tiles 30° pitch
3. White Upvc windows and composite external doors with frosted glass to Bathroom and En-Suite
4. Brick soldier course above external opening
5. Blue Engineering brick sill
6. Black plastic rainwater goods
7. Plastic fascia, soffits and barge boards
8. Install solar PV array to each Unit, installation MCS certified - exact number/m² to be determined by SAP calculations
9. Indicative location of Bird / Bat Boxes, fixed as high as possible (as shown), for detail of location and types refer to Ecology Report and Schedule - this item contributes to Net biodiversity benefits



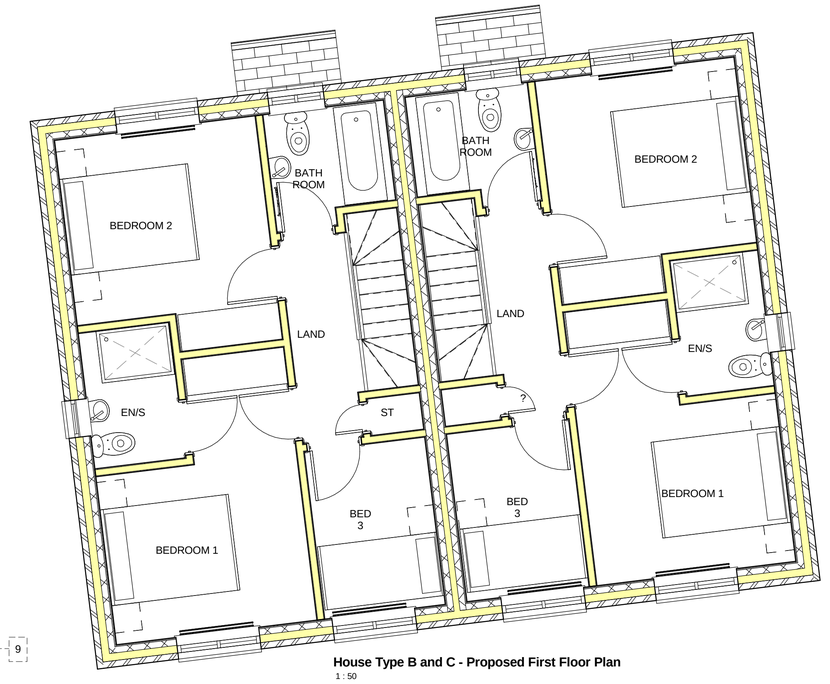
House Type A - Proposed First Floor Plan
1 : 50



House Type A - Proposed Side Elevation 2
1 : 100



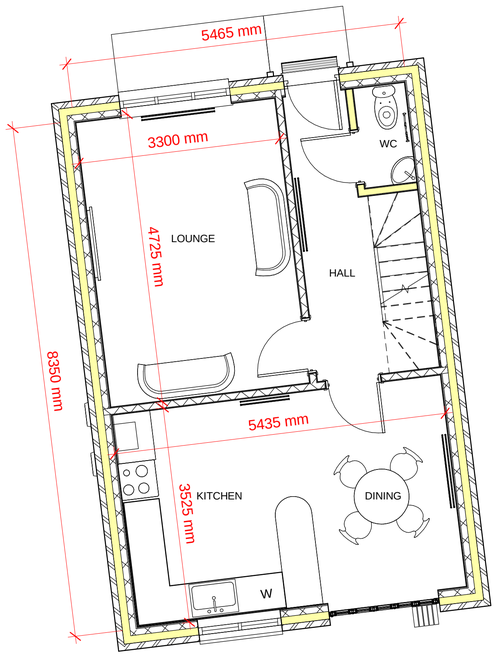
House Types B and C - Proposed Side Elevation 2
1 : 100



House Type B and C - Proposed First Floor Plan
1 : 50

House Type A - Proposed Rear Elevation
1 : 100

House Type B and C - Proposed Rear Elevation
1 : 100

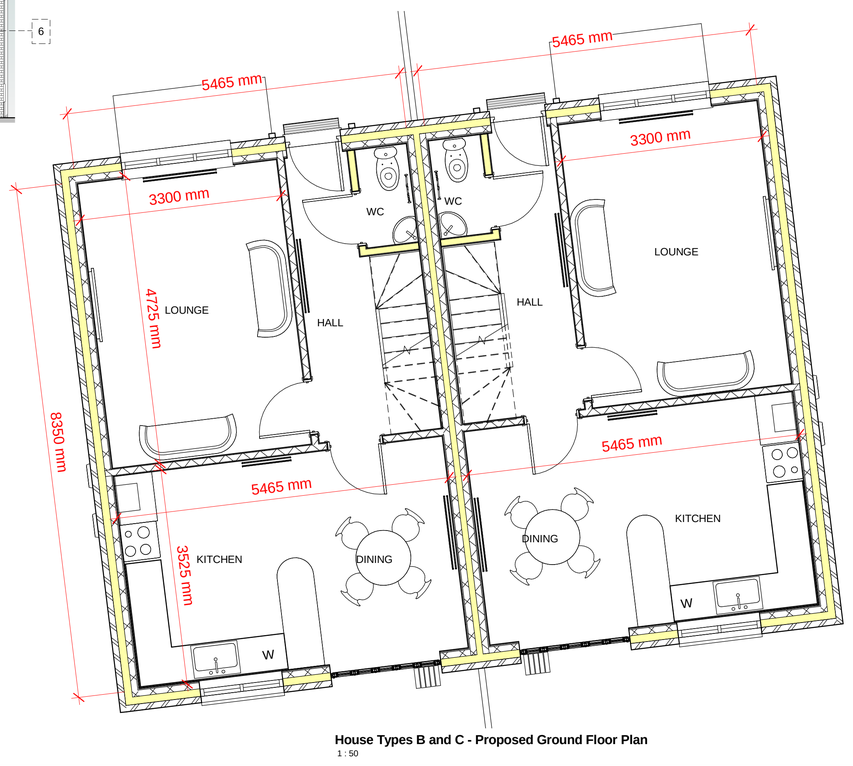


House Type A - Proposed Ground Floor Plan
1 : 50

Bat / Bird Box Schedule

House Number	Elevation			
	North	East	South	West
1		2no Swift Boxes - Galvanised Steel S Brick	1 no. Unitura Modular Bat Tube (2 layer with entrance)	
2			1 no. Vivara Pro UK Build-in Woodstone Bat Box	
3		1no Sparrow Terrace - SP Schwegler		
4				
5	1no Swift Boxes - Galvanised Steel S Brick	1no Integrated Starling Box		
6	1no Swift Boxes - Galvanised Steel S Brick			
7		1no Integrated Starling Box	1 no. Unitura Modular Bat Tube (2 layer with entrance)	
8			1 no. Vivara Pro UK Build-in Woodstone Bat Box	
9	1no Sparrow Terrace - SP Schwegler	2no Swift Boxes - Galvanised Steel S Brick	2 bat boxes: 1 no. Vivara Pro UK Build-in Woodstone Bat Box & 1 no. Unitura Modular Bat Tube (2 layer with entrance)	

NOTE - Plans orientated to match Site Plan



House Types B and C - Proposed Ground Floor Plan
1 : 50

The Contractor is responsible for checking all dimensions - any discrepancy to be brought to the attention of the client before proceeding with the work.

Where an item is covered by drawings of different scales, the larger scale drawing takes precedence.

Do not scale drawings - measured dimensions to be worked in all cases.

Revisions:
3rd Aug 2024 - Bat/Bird boxes schedule amended

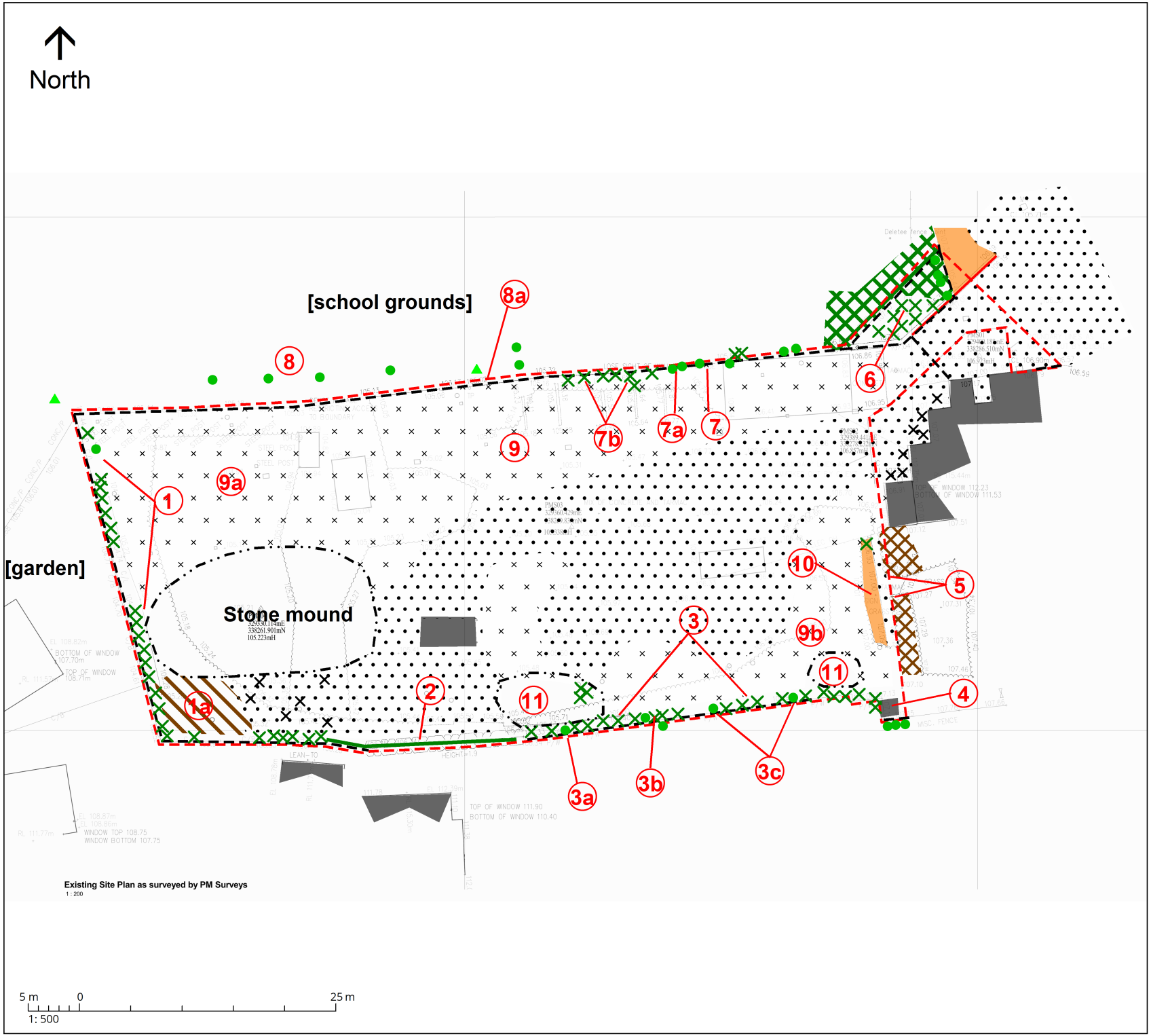
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project
Proposed Residential Development

description & scale
Proposed Plans and Elevations -
Scale as shown when printed at A1

date	project number	drawing number	revision
Jan. 2024	22/208	EL/03	G



- Individual broad-leaved tree
- Dense/ continuous scrub
- Scattered scrub
- Hedgerow
- Individual coniferous tree
- Neutral grassland
- Tall ruderal
- Introduced shrub
- Ephemeral/ short perennial
- Scattered ephemeral/ short perennial
- Other habitat (Indicative only)
- Building
- Hard-standing/ bare ground
- Fence
- Wall
- Target Note
- Survey site boundary

C550 Proposed Housing Development, Land to the Rear of Ingleby, Lloyd's Lane, Chirk Green, Chirk, Wrexham, LL14 5PU - Preliminary Ecological Appriasal

***Figure 1* - Extended Phase 1 Habitat Survey**

Date: 27/06/2024

marches ecology

www.marchesecology.co.uk

Base mapping provided by the client