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Quality Assurance

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Following minor amendments to proposal.				

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

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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 Project Development Workshop Ltd to undertake a Preliminary Ecological Appraisal of land off Bonc Wen, Rhosllanerchrugog, Wrexham (approximate OS Grid Ref. SJ 290 463). This Preliminary Ecological Appraisal (PEA) comprised an ecological background data search and an Extended Phase 1 Habitat Survey. This report is provided as supporting information to a planning application for a small residential housing development.

1.1.2 This report has three key aims:

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

The structure of this Preliminary Ecological Appraisal 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 Tom Knight of Marches Ecology. Tom Knight 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).
- PgDip Conservation Management.
- BSc (Hons) Environmental Studies.
- C&G Biological Surveying.

1.3 Site Description and Context

1.3.1 The survey site extends to approximately 0.44 hectares. It largely comprises areas of hard-standing with small patches of unmanaged grassland and scattered scrub. The boundaries are largely formed by walls and fences.

1.3.2 It is located in an urban area towards the centre of the large village of Rhosllanerchrugog. The survey site is bordered on all sides by residential housing. A wide footpath lined with trees meets the survey site towards the northwest corner and provides a link to the wider countryside located to the west of Rhos. Road access to the survey site is from the south off Bonc Wen.

1.4 The Development

- 1.4.1 The layout for the proposed development is shown on a Pozzoni plan entitled 'Site Layout Plan', dwg. no. 5525_SK8000, Rev. P5, dated 14/08/20. The proposal concerns 12 dwelling units contained within three separate blocks. It also includes the provision of an internal access road, pedestrian routes, 19 car parking spaces, and both private garden spaces and small public landscaped areas. The road access would be provided off Bonc Wen.
- 1.4.2 The plan also shows the red line boundary. The proposed development site extends to approximately 0.44 hectares.
- 1.4.3 No further detail with regards the proposed development has been provided at this stage.

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 2018). Chapter 6 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 conservation of biodiversity, in particular the conservation of wildlife and habitats;*
- ensure action in Wales contributes to meeting international responsibilities and obligations for biodiversity and habitats;*
- ensure statutorily and non-statutorily designated sites are properly protected and managed;*
- safeguard protected and priority species and existing biodiversity assets from impacts which directly affect their nature conservation interests and compromise the resilience of ecological networks and the components which underpin them, such as water and soil, including peat; and secure enhancement of and improvements to ecosystem resilience by improving diversity, condition, extent and connectivity of ecological networks'.*

Furthermore, it states that:

- 'It is important that biodiversity and resilience considerations are taken into account at an early stage in both development plan preparation and when proposing or considering development proposals'.*
- 'The planning system has a key role to play in helping to reverse the decline in biodiversity and increasing resilience of ecosystems, at various scales, by ensuring appropriate mechanisms are in place to both protect against loss and to secure enhancement'.*

- *'Where adverse effects on the environment cannot be avoided or mitigated, it will be necessary to refuse planning permission'.*

Use of the mitigation hierarchy is emphasised:

'Planning authorities must follow a stepwise approach to maintain and enhance biodiversity and build resilient ecological networks by ensuring that any adverse environmental effects are firstly avoided, then minimized, mitigated, and as a last resort compensated for; enhancement must be secured wherever possible'.

- 1.5.3 Areas that Chapter 6 covers include biodiversity and resilience of ecosystems duty, designated sites, maintaining and enhancing biodiversity, protected species, specific habitats/ areas, sustainable drainage systems (SuDS) and de-risking development.

Technical Advice Note 5

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

- 1.5.5 In paragraph 2.4 it states that *'...when deciding planning applications that may affect nature conservation, local planning authorities should:*

- *pay particular attention to the principles of sustainable development, including respect for environmental limits, applying the precautionary principle, using scientific knowledge to aid decision making and taking account of the full range of costs and benefits in a long term perspective (PPW 2.2.1¹);*
- *contribute to the protection and improvement of the environment, so as to improve the quality of life and protect local and global ecosystems, seeking to avoid irreversible harmful effects on the natural environment (PPW 2.3.2);*
- *promote the conservation and enhancement of statutorily designated areas and undeveloped coast (PPW 2.3.2);*
- *ensure that appropriate weight is attached to designated sites of international, national and local importance (PPW 5.3.2);*
- *protect wildlife and natural features in the wider environment, with appropriate weight attached to priority habitats and species in Biodiversity Action Plans (PPW 5.2);*
- *ensure that all material considerations are taken into account and decisions are informed by adequate information about the potential effects of development on nature conservation (PPW paragraphs 5.5.1 and 5.5.2);*
- *ensure that the range and population of protected species is sustained (PPW 5.2.3, 5.5.11 and 5.5.12);*
- *adopt a step-wise approach to avoid harm to nature conservation, minimise unavoidable harm by mitigation measures, offset residual harm by compensation measures and look for new opportunities to enhance nature conservation; where there may be significant harmful effects local planning authorities will need to be satisfied that any reasonable*

¹ References to the relevant part of PPW.

alternative sites that would result in less or no harm have been fully considered (PPW 5.2.2, 5.2.7 and 5.5.2).

Wrexham

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

Wrexham Unitary Development Plan

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

Relevant strategic and general development policies include:

- *Policy PS2. Development must not materially detrimentally affect countryside, landscape/townscape character, open space, or the quality of the natural environment.*
- *Policy PS11. Encouragement will be given to proposals which improve the biodiversity value of sites and to the establishment of local nature reserves where the nature conservation and landscape interest of the land will be protected and enhanced.*
- *Policy GDP1f). Ensure the safety and amenity of the public and safeguard the environment from the adverse effects of pollution of water, land or air, hazards from industry and quarrying, and associated noise, odour or vibration arising from development.*
- *Policy GDP1h). Safeguard sites and areas of nature conservation and wildlife interest, and to provide new habitats where there is an unavoidable loss of existing habitats and areas of wildlife interest.*

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

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

- *Policy EC14. Development which would have an unacceptable adverse impact upon the capacity, flow, quality or availability of controlled waters and associated land will not be permitted.*

Local Planning Guidance

- 1.5.8 Wrexham County Borough Council (WCBC) has produced a series of supplementary planning guidance documents which set out detailed advice on the way in which Development Plan policies will be applied. Supplementary planning guidance is a material consideration in the determination of planning applications for development. The following Local Planning Guidance (LPG) notes are of particular relevance:
- LPG 17 Trees and Development. Adopted September 2000, Updated December 2012. Provides further advice in relation to UDP policy EC4.
 - LPG 32 Biodiversity and Development. Adopted March 2011. Provides further advice in relation to UDP policies PS2, PS11, EC4 and EC6. Of particular importance it details the requirements for ecological survey and reporting.
- 1.5.9 The Wrexham Biodiversity Action Plan (WBAP) is also listed as supplementary planning guidance on the WCBC website. This reference is out-of-date, the WBAP has been archived and is no longer available.

1.6 Legislation

Introduction

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

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

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

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

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

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

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

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

Environment (Wales) Act 2016

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

The Protection of Badgers Act 1992 (The Badgers Act)

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

2 METHODOLOGY

2.1 Desk Study

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

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

2.2 Field Survey

Extended Phase 1 Habitat Survey

2.2.1 The Extended Phase 1 Habitat Survey was carried out on 14th May 2020 by Tom Knight of Marches Ecology. The Extended Phase 1 Habitat plan is provided as *Figure 1*. The survey focussed on land within the site boundary (the ‘survey site’, refer to *Figure 1*). The survey site covers the same area of land as the proposed development site. Immediately adjacent habitat was considered where deemed appropriate and viewed from the survey site boundary where possible. The weather during the survey was sunny with no cloud cover and a light breeze.

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 8*). Plant nomenclature in this report follows Stace (2010). May is within the accepted survey period for Extended Phase 1 Habitat Surveys. It is unrealistic to suppose that walk-through surveys can generate completely exhaustive species lists at any time of year. It is considered that the list in this report indicates the character of the vegetation and the ecological value of the area inspected.

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

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

2.3 Survey Limitations

2.3.1 The following may be considered survey limitations:

- Some small parts of the survey site are characterised by scrub or other dense vegetation which may have obscured evidence of use of the survey site by protected/ notable species.
- Tree foliage obscured parts of the trunk and upper branches.

None of the survey limitations listed above significantly affected the findings of the survey and therefore the conclusions and prescribed mitigation measures. The survey was conducted in accordance with a Covid-19 Risk Assessment. This did not give rise to any limitations at this site.

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 is one statutory designated site within 1 km of the survey site: Johnstown Newt Sites Special Area of Conservation (SAC)/ Stryt Las a'r Hafod Site of Special Scientific Interest (SSSI). The closest part (Stryt Las Country Park) of this designated site is located approximately 775 m to the east at the nearest part of its boundary.
- 3.1.2 Johnstown Newt Sites SAC extends to 69.61 hectares. No *Annex I* habitats are given as a primary reason for selection of the site as an SAC or as a qualifying feature. Great Crested Newt is the *Annex II* species that is the primary reason for selection of the site as an SAC. No *Annex II* species are given as a qualifying feature. The following description is reproduced from the SAC citation:
- 'This site lies near to Wrexham in north-east Wales and is composed of two post-industrial sites where coal and clay have been extracted. The population of Great Crested Newts Triturus cristatus is one of the largest known in Great Britain and has been the focus of much conservation management over the last few years. Breeding sites are provided in part by a mining subsidence pool, and natural water-filled hollows on clay, whilst other ponds have been created as part of nature conservation management. Terrestrial habitat varies from marshy grassland, grazed farmland and swamp through to scrub and broad-leaved woodland. Good populations of the widespread amphibian species are also present'.*
- 3.1.3 Stryt Las a'r Hafod SSSI extends to 69.4 hectares and the boundary largely corresponds with the SAC. The citation states that *'the water bodies at Stryt Las and Hafod support one of the largest known breeding populations of the Great Crested Newt in Britain'*. It also notes the presence of *'significant populations'* of the four common amphibian species.

Non-statutory

- 3.1.4 There are no non-statutory designated sites within 1 km of the survey site.
- 3.1.5 There are two areas of Ancient Semi-natural Woodland (ASNW) and one Restored Ancient Woodland Site (RAWS) within 1 km of the survey site. The nearest ASNW site is located approximately 520 m to the northwest of the survey site at Rhos Farm Wood. The other ASNW site is located near Gardden Hall to the southeast and the RAWS is located to the north at Llwyneinion Wood.

3.2 Habitats and Flora

Introduction

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

Trees and Scrub

- 3.2.2 Most of the trees within the survey site are young/ saplings with the exception of that at *Target Note 2*. The tree at *Target Note 2* is a large mature *Salix caprea* (Goat Willow). It is multi-stemmed with the largest trunks having an approximate diameter at breast height (dbh) of 0.3 m.



The mature Goat Willow at *Target Note 2*.

- 3.2.3 There are patches of dense or scattered scrub throughout some parts of the survey site. Most of the dense scrub is associated with the survey site boundaries and is mostly characterised by Bramble. Elsewhere there are scattered shrubs growing along the edges of hard-standing and in the areas of grassland. There is one dense patch of ornamental shrubs – *Symphoricarpos albus* (Snowberry) and *Prunus laurocerasus* 'Otto Luyken' (Cherry-laurel) – on the edge of the grassland at *Target Note 4*. Scattered ornamental shrubs were also recorded at *Target Note 3* though these may be growing through the fence from a neighbouring garden.



The patch of Snowberry and Cherry-laurel is on the right of this view with Bramble along the southwest site boundary to the left and the grassland at *Target Note 4* between the two.

Grassland

- 3.2.4 Areas of poor semi-improved grassland are located towards the western and northwest sides of the survey site around areas of hard-standing (*Target Notes 4, 4a and 5*). This grassland is likely to have developed since the cessation of management of an area of amenity grassland. That at *Target Note 4* is characterised by abundant *Taraxacum officinale* (Dandelion), locally abundant *Festuca rubra* (Red Fescue), *Lolium perenne* (Perennial Ryegrass), locally frequent *Dactylis glomerata* (Cock's-foot), occasional *Arrhenatherum elatius* (False Oat-grass), *Agrostis capillaris* (Common Bent), *Holcus lanatus* (Yorkshire-fog) and *Cirsium arvense* (Creeping Thistle). The sward height is approximately 0.3 m to 0.5 m. The tussocks are not well developed.



The grassland at *Target Notes 4 and 4a*.

- 3.2.5 At the northwest end this grassland (*Target Note 4a*) is located over rubble and is slightly more species-rich. It includes species such as locally frequent *Trifolium pratense* (Red Clover) and occasional *Achillea millefolium* (Yarrow).
- 3.2.6 The poor semi-improved grassland at *Target Note 5* is similar to that at *Target Note 4* though it is slightly more species-rich. The sward includes species such as locally frequent *Ranunculus repens* (Creeping Buttercup), *Plantago lanceolata* (Ribwort Plantain), *Trifolium repens* (White Clover), *Anisantha sterilis* (Barren Brome), *Hordeum murinum* (Wall Barley), occasional Yarrow and a small amount of *Ranunculus acris* (Meadow Buttercup). The sward height is approximately 0.3 m to 0.5 m. The tussocks are not well developed.



The grassland at *Target Note 5*.

- 3.2.7 Two areas of amenity grassland are associated with the edge of the car park towards the southeast end of the survey site. This grassland is also uncut at present.



The amenity grassland near the vehicular entrance to the site.

Other Habitat

- 3.2.8 Most of the eastern half of the survey site is characterised by an existing car park. The footprint of a previously demolished building is located in the north of the site.



The footprint of a demolished building in the north of the survey site.



View towards the car park from the north of the site.

- 3.2.9 Scattered ephemeral/ short-perennial vegetation is located around the edges of hard-standing.

Flora

- 3.2.10 None of the plant records provided by Cofnod are from within the survey site and there are no particularly notable records from the 1 km search area.
- 3.2.11 Several species of plant listed in *Schedule 9* of the *Wildlife and Countryside Act 1981* have been recorded from the 1 km search area. Cofnod provided records of seven *Schedule 9* species including *Fallopia japonica* (Japanese Knotweed), *Cotoneaster simonsii* (Himalayan

Cotoneaster) and *Cotoneaster horizontalis* (Wall Cotoneaster). The closest such record to the survey site is of Japanese Knotweed in Ponciau approximately 280 m to the northeast.

- 3.2.12 Himalayan Cotoneaster was recorded from the survey site at *Target Note 1*. A further Cotoneaster shrub was recorded at *Target Note 3*.

3.3 Species/ Species Groups

Badgers

- 3.3.1 No setts were recorded within the survey site. There are no particular opportunities for sett excavation within the survey site.
- 3.3.2 No evidence of Badger activity was recorded from the survey site. The grassland within the survey site provides habitat of limited potential value for foraging.
- 3.3.3 Cofnod provided no Badger records from within the 1 km search area. This species will not be considered further in this report.

Bats

- 3.3.4 There are a small number of trees within the survey site most of which are young/ saplings. The mature Goat Willow at *Target Note 2* is the largest tree within the survey site. No particular features of potential value for roosting bats were visible in this tree. Two of the largest trunks are covered in *Hedera helix* agg. (Ivy). However, the Ivy is relatively sparse and the stems are all less than 0.02 m thick. This tree is of negligible potential value for roosting bats.



Ivy on the tree at *Target Note 2*.

- 3.3.5 None of the other trees within the survey site are of sufficient age/ size to contain features of potential value for roosting bats.
- 3.3.6 There are a number of trees on both sides of the footpath to the northwest and outside of the survey site (*Target Note 6*). Some of these trees could be of potential value for roosting bats but were not assessed.
- 3.3.7 The small patches of species-poor grassland and areas of hard-standing that characterise the survey site are of negligible/ low potential value for foraging/ commuting bats. The sheltered edges of the tree-lined footpath at *Target Note 6* are likely to be of greater potential value.
- 3.3.8 Cofnod provided records of seven species of bat for within the 1 km search area as well as 'Myotis Bat Species', 'Pipistrelle Bat Species' and 'Unknown Bat'. The records included Brandt's Bat (*Myotis brandtii*), Brown Long-eared Bat (*Plecotus auritus*), Common Pipistrelle (*Pipistrellus pipistrellus*), Daubenton's Bat (*Myotis daubentonii*), Natterer's Bat (*Myotis nattereri*), Noctule (*Nyctalus noctula*) and Soprano Pipistrelle (*Pipistrellus pygmaeus*). The closest of these records to the survey site are for Common and Soprano Pipistrelle from approximately 395 m to the south. This record is dated 2016 and is for 'foraging activity'. The records include small roosts of Common Pipistrelle and Brown Long-eared Bat from locations in Rhos and Ponciau.

Great Crested Newts

- 3.3.9 There is no aquatic habitat within the survey site.
- 3.3.10 An initial review of the OS map 1:25, 000 scale and relevant internet-based mapping including aerial photography² indicates that there are no waterbodies within approximately 250 m of the survey site (excluding ditches).
- 3.3.11 The survey site is characterised by small patches of unmanaged grassland and hard-standing. The grassland provides moderate quality potential terrestrial habitat for Great Crested Newts. This terrestrial habitat is linked to high quality terrestrial habitat outside the survey site to the northwest.
- 3.3.12 Cofnod provided a large number of records for Great Crested Newt from the 1 km search area. With the exception of two records these records are all from Stryt Las Country Park. The other two records are from just to the north of the Country Park. Marches Ecology is aware that a Great Crested Newt population is also present at the waterbody at Llwyneinion which is to the north of the survey site and just within the 1 km search area.
- 3.3.13 Cofnod provided a number of records of Palmate Newt (*Lissotriton helveticus*), Smooth Newt (*Lissotriton vulgaris*), Common Toad (*Bufo bufo*) and Common Frog (*Rana temporaria*) from the 1 km search area. These records are all from Stryt Las Country Park or land to the immediate north.
- 3.3.14 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. Given the distance to Stryt Las Country Park, the absence of waterbodies within at least 250 m of the survey site and lack of records within 250 m it is considered unlikely that this

² <https://www.google.com/maps/place/Rhosllanerchrugog/@53.0154726,-3.1073338,13z/data=!3m1!4b1!4m5!3m4!1s0x487ac7f998f75891:0xa0d8b265e0a7900!8m2!3d53.013057!4d-3.057852>

species might access the survey site. This species will not be considered further in this report.

Reptiles

- 3.3.15 The small patches of unmanaged grassland within the survey site provide habitat of low to moderate potential value for reptiles. Google Streetview images from 2009 show that these areas were previously managed as short amenity grassland. The poorly developed tussock structure of the grassland indicates that such management was continued until relatively recently. Whilst the current state of the grassland is of some potential value for reptiles, it would not have been of any value when it was being regularly managed.
- 3.3.16 Cofnod provided no records of any reptiles from the 1 km search area.
- 3.3.17 Given the small areas of potentially suitable habitat within the survey site, recent intensive management of the grassland resource, urban location, level of disturbance and lack of any records within 1 km it is considered unlikely that any species of reptile might access the survey site. This species group will not be considered further in this report.

Birds

- 3.3.18 Nine species of bird were recorded during the Extended Phase 1 Habitat Survey either within the survey site or flying over it. The Dunnock (*Prunella modularis*), Starling (*Sturnus vulgaris*), House Sparrow (*Passer domesticus*) and Swift (*Apus apus*) are priority species³. A pair of Dunnock appeared to be nesting in the ornamental shrubs adjacent to the grassland at *Target Note 4*, and they could also nest elsewhere within the survey site. A large number of House Sparrows were using the site for foraging but are likely to nest in surrounding houses. Starling and Swift are also likely to nest in surrounding houses. The survey site provides limited nesting opportunities for species of bird associated with small patches of scrub.
- 3.3.19 Cofnod provided a large number of bird records from within 1 km of the survey site (though none from within it) largely with four-figure grid references. Records of possible relevance to the survey site include Dunnock, House Sparrow, Long-tailed Tit (*Aegithalos caudatus*), Song Thrush (*Turdus philomelos*), Starling and Swift. Species such as Dunnock and Long-tailed Tit, and to a lesser extent Song Thrush and House Sparrow could potentially nest within the survey site.

Other Species

- 3.3.20 Cofnod provided a number of records for Hedgehog (*Erinaceus europaeus*) from the 1 km search area, from Rhos, Ponciau, Stryt-issa and Llwyneinion.

³ As defined in CIEEM (2017a).

4 EVALUATION, ASSESSMENT AND RECOMMENDATIONS

4.1 Introduction

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

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

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

4.2 Evaluation, Assessment and Recommendations

Designated Sites

- 4.2.1 No statutory or non-statutory designated sites would be directly impacted by the proposed development. No ASNW would be directly impacted.
- 4.2.2 Due to the scale and extent of the proposal, habitat to be impacted within the proposed development site, distance to the Johnstown Newt Sites SAC/ Stryt Las a'r Hafod SSSI, the reasons for designation of this protected site and the low likelihood of Great Crested Newts accessing the proposed development site, no indirect impacts are currently anticipated. This conclusion should be confirmed with Natural Resources Wales (NRW).
- 4.2.3 There are no non-statutory sites within 1 km of the survey site. The closest ASNW is 520 m away. No indirect impacts are anticipated.

Habitat

- 4.2.4 The survey site includes the following habitat resources:
- Poor semi-improved grassland;
 - Amenity grassland;
 - Tall ruderal vegetation;
 - Dense and scattered scrub;
 - Ornamental shrubs;
 - Individual trees;
 - Ephemeral/ short perennial vegetation; and
 - Hard-standing.
- 4.2.5 Due to the size, quality and geographical location of the habitat resources listed above they are considered to be of no more than site value⁴. No further survey of the habitat within the survey site is currently considered necessary. The proposal would result in the permanent loss of virtually all of the existing vegetation/ habitat. The loss of this habitat would not result in any significant impacts.

⁴ In accordance with CIEEM (2018).

- 4.2.6 The loss of small areas of uncut grassland would be offset to some extent by the proposed landscaping/ garden areas. The proposed layout includes three small public spaces. It is suggested that these areas include the following:
- A small number of native trees of value for wildlife. These could include Silver Birch and Rowan. All shrubs/ trees and seed-mixes used in the public spaces should be of ideally locally native provenance but as a minimum certified British native origin.
 - The two larger areas of public space (towards the southern and northwest corners) should include small patches of native scrub. Ideally this scrub would include species such as Field-maple, Hazel, Dog-rose, Hawthorn, Holly, and Blackthorn. Should only species without thorns be appropriate then the former two species could be used, along with *Cornus sanguinea* (Dogwood) and *Cytisus scoparius* (Common Broom).
 - Any parts of the public spaces laid to grass should use the WFG20 Eco Species Rich Lawn mix⁵. If it is necessary to lay turf rather than sow seed the species-rich lawn turf⁶ should be used.
 - The 'Site Layout Plan' shows several 'low level hedges' to be planted around the private gardens. If possible, these hedges should use species from the RHS Plants for Pollinators list⁷.
- 4.2.7 To avoid any possible inadvertent impacts, prior to the start of any preparatory or construction work, temporary tree protection should be installed around the trees along the footpath at *Target Note 6*. These protection measures should include exclusion barriers and signage and be in accordance with 'BS 5837:2012 Trees in Relation to Design, Demolition and Construction. Recommendations' and Local Planning Guidance Note 17: Trees and Development (WCBC 2012). The fence will be retained throughout the construction period. No access/ storage of materials/ construction work, etc should be allowed beyond this fence.
- 4.2.8 It is understood that the Goat Willow at *Target Note 2* is to be retained. However, it is likely that this tree would be the subject of significant arboriculture works.
- 4.2.9 General best practice measures should be implemented during the construction phase 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:
- PPG1: Understanding Your Environmental Responsibilities - Good Environmental Practices.
 - PPG6: Working at Construction and Demolition Sites.
- 4.2.10 Assuming the appropriate installation and maintenance of the temporary protective fencing along with the adoption of best practice measures, no significant impact is anticipated on valued habitat resources located close to the works area.

⁵ <https://germinalamenity.com/wfg20-eco-species-rich-lawn>

⁶ <https://www.wildflowersturf.co.uk/Products/species-rich-lawn-turf.aspx>

⁷ <file:///D:/Downloads/P4P-Garden-Plants-August-2019.pdf>

Flora

- 4.2.11 No species of plant listed in categories (above Least Concern) in the most recent Vascular Plant Red Data List for Wales (Dines 2008) or in Williams (2014) were recorded from the survey site.
- 4.2.12 It is illegal to plant or otherwise cause to grow in the wild any plant listed in *Schedule 9* to the *Wildlife and Countryside Act 1981* (as amended). The *Schedule 9* list of animal and plant species has been amended by the *Wildlife and Countryside Act 1981 (Variation of Schedule 9)(England and Wales) Order 2010*⁸. *Section 14 (1)* covers spreading the species or transferring polluted ground material from one area to another.
- 4.2.13 The *Invasive Alien Species (Enforcement and Permitting) Order 2019* relates to the prevention and management of the introduction and spread of non-native species and the associated licensing/ permitting system.
- 4.2.14 Two species of plant listed on *Schedule 9* were recorded from the survey site: Himalayan Cotoneaster and Cotoneaster. The Himalayan Cotoneaster is represented by a single small shrub at *Target Note 1*. This location would be impacted by the proposed development. A large Cotoneaster shrub is also located at *Target Note 3* although this may be growing through from a neighbouring property. The latter location may not be affected by the proposal. Appropriate control measures should be implemented prior to the commencement of construction in order to avoid spreading these plants to any other site.

Fauna

Bats

- 4.2.15 There is only one large tree within the survey site, the Goat Willow at *Target Note 2*. This tree would be lost due to the proposed development. However, it is of negligible potential value for roosting bats. The trees along the footpath to the northwest of the survey site (*Target Note 6*) may contain features of potential for roosting bats. These trees will be protected with temporary fencing during the construction phase as outlined above. The proposal would not have any impact on (roosting) bats.
- 4.2.16 Most of the habitat within the proposed development site is considered to be of negligible/ low potential value for foraging/ commuting bats. Based on the small-scale of the proposal it is considered unlikely that the loss of this habitat would result in a significant impact on foraging bats.
- 4.2.17 No information is currently available on external lighting with regards the proposal. The potential impact of lighting (both during construction and operation) on bats that may use the survey site/ adjacent habitat should be considered. Any external lighting at the proposed development site should follow guidance provided by The Bat Conservation Trust and Institution of Lighting Professionals (2018). Lighting that reduces vertical and horizontal light spillage should be used. The tree-lined footpath at *Target Note 6* should be kept as dark as possible. Measures to avoid/ minimise light spillage should include:
- 'Warm white' LED lamps should be used;
 - All luminaires should lack UV elements when manufactured and have an upward light ratio of 0%;

⁸ <http://www.nonnativespecies.org/index.cfm?pageid=67>

- All luminaires used will be fully directional (e.g. LED) and will point straight down to where the light is required. They will be mounted on the horizontal, i.e. no upward tilt. Lighting that reduces vertical and horizontal light spillage will be used;
- The number of poles/ bollards/ lamps installed will be kept to a minimum and will be as low (in height) as possible;
- Low wattage lamps (<70W) will be used;
- All external lighting will only be turned on when the area is in use wherever possible (and should be fitted with motion detectors, automatic timers and/ or dimmers);
- Cowls/ hoods/ baffles or similar will be used where the light spillage is likely to cause an unacceptable light level increase in adjacent retained habitat; and
- Lighting near the tree-lined footpath (*Target Note 6*) should be avoided/ limited.

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

Birds

- 4.2.19 The proposal would result in the loss of some small patches of scrub, scattered shrubs and mostly young trees that are/ could be used by nesting birds. Such nesting birds include some species of conservation interest (e.g. Dunnock and Long-tailed Tit). The proposed tree and shrub planting would offset the loss of these habitat features in the medium-term. The shrub planting could be used by both species of conservation interest mentioned above. Whilst there would be some loss of scrub habitat it is considered unlikely that the proposal would give rise to a significant impact on local bird populations.
- 4.2.20 The proposal presents an opportunity to enhance the site for a priority species known to be present in the area; the House Sparrow. Ten nest-boxes specifically designed for this species (e.g. Schwegler Brick Box No.24⁹ or EcoSurv Sparrow¹⁰ nest-boxes) should be built into some of the new buildings ideally on north-east and or east elevations near planted shrubs/ trees. The Brick-box No.24/ EcoSurv box should be installed within the wall. Full instructions for their installation are provided in Gunnell, Murphy & Williams (2013). These nest-boxes should ideally be installed at soffit/ eaves level (more than 2 m above ground level) out of direct sunlight, and at least 1 m apart. They should have unobstructed access and should not be located directly above any windows or doors. Information on these nest-boxes and their value to House Sparrows should be provided to each of the new home-owners where they have been installed.
- 4.2.21 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).
- 4.2.22 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 trees/ shrubs/ scrub) outside the nesting period (March to August inclusive). Should any occupied nests be found during the construction phase, a buffer zone (determined on the basis of the species concerned and the location of the nest in the context of the surrounding vegetation, but no less than 5 m) would be retained until it can be

⁹ <http://www.nhbs.com/title/173236/schwegler-brick-nest-boxes>

¹⁰ <http://www.ecosurv.co.uk/product/bird-box-range>

ascertained that the chicks have left the nest. The buffer zone will be appropriately fenced and signed.

- 4.2.23 If it is not possible to clear vegetation/ fell/ prune trees 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.

Other Species

- 4.2.24 A number of records of Hedgehog were provided for the area. New garden fences can prevent Hedgehogs from accessing gardens and traversing across built-up areas. To facilitate access to these gardens for Hedgehogs boundary fences should either incorporate a gap of 13 cm (in height) beneath them or otherwise a hole measuring 13 cm by 13 cm¹¹ should be cut into the base of the fence on each side of each garden. To ensure that home-owners understand the reason for the holes in their fence each hole should be labelled on both sides with an appropriate sign, e.g. available from the British Hedgehog preservation Society¹².
- 4.2.25 No significant impact on any other species of conservation interest is anticipated.

¹¹ <http://www.hedgehogstreet.org/pages/link-your-garden.html>

¹² <https://www.britishhedgehogs.org.uk/shop/product/hedgehog-highway-sign/>

5 SUMMARY CONCLUSIONS

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

- No designated sites would be directly or indirectly impacted by the proposed development.
- No ASNW would be directly or indirectly impacted by the proposed development.
- Small areas of species-poor unmanaged grassland, small patches of scrub, scattered shrubs, a small number of largely young trees and ephemeral vegetation of no more than site value would be lost due to the proposed development.
- There are no locally notable plants within the development site. Two non-native invasive plants listed in *Schedule 9* were recorded from the development site.
- There is one tree (*Target Note 2*) that is large enough to be of potential value for roosting bats within the proposed development site. It was assessed as having negligible potential.
- The habitat within the proposed development site is of negligible or low potential value for foraging/ commuting bats. The feature at *Target Note 6* (outside the survey site) is of greater potential value.
- Opportunities for breeding birds are limited within the development site and are largely associated with shrubs/ scrub.

5.1.2 This report recommends the following avoidance/ mitigation measures:

- The soft landscaping should include a small number of native trees and patches of scrub, and any grass should be sown/ laid with a species-rich lawn mix. The proposed 'low level hedges' should use plants for pollinators where possible.
- Temporary protective fencing should be installed to protect the habitat feature at *Target Note 6*.
- General best practice measures should be implemented during the construction phase to avoid any indirect impacts on adjacent habitat.
- Appropriate control measures for *Schedule 9* plants should be undertaken prior to the commencement of work on site.
- Any external lighting provided as part of the proposed development should accord with best practice guidance to minimise impacts on foraging/ commuting bats and keep the feature at *Target Note 6* as dark as possible.
- Site clearance works/ removal of vegetation should be undertaken outside the bird nesting season. Should this not be possible then suitable habitat would need to be checked by a qualified ecologist prior to the commencement of work.
- All garden fences should include holes at the base to allow Hedgehogs to access the new gardens. These holes should be clearly identified.

5.1.3 This report recommends the following enhancement measure:

- Ten nest-boxes for House Sparrows should be built into some of the housing units.

6 TARGET NOTES

Target Note 1. A small shrub of *Cotoneaster simonsii* (Himalayan Cotoneaster).

Target Note 2. A large mature *Salix caprea* (Goat Willow). It is multi-stemmed with the largest trunks having an approximate diameter at breast height (dbh) of 0.3 m. No particular features of potential value for roosting bats were visible. Two of the largest trunks are covered in *Hedera helix* agg. (Ivy). However, the Ivy is relatively sparse and the stems are all less than 0.02 m thick. This tree is of negligible potential value for roosting bats.

Target Note 3. A large shrub of *Cotoneaster* sp. that appears to be growing through the fence from the adjacent garden. Located with other ornamental shrubs and saplings of *Fraxinus excelsior* (Ash) and *Acer pseudoplatanus* (Sycamore).

Target Note 4. Poor semi-improved grassland that is likely to have developed since the cessation of management of an area of amenity grassland. It is characterised by abundant *Taraxacum officinale* (Dandelion), locally abundant *Festuca rubra* (Red Fescue), *Lolium perenne* (Perennial Rye-grass), locally frequent *Dactylis glomerata* (Cock's-foot), occasional *Arrhenatherum elatius* (False Oat-grass), *Agrostis capillaris* (Common Bent), *Holcus lanatus* (Yorkshire-fog) and *Cirsium arvense* (Creeping Thistle). The sward height is approximately 0.3 m to 0.5 m. The tussocks are not well developed.

Target Note 4a. This area of poor semi-improved grassland is located over rubble and is slightly more species-rich. It includes species such as locally frequent *Trifolium pratense* (Red Clover) and occasional *Achillea millefolium* (Yarrow).

Target Note 5. An area of poor semi-improved grassland similar to that at *Target Note 4* though it is slightly more species-rich. The sward includes species such as locally frequent *Ranunculus repens* (Creeping Buttercup), *Plantago lanceolata* (Ribwort Plantain), *Trifolium repens* (White Clover), *Anisantha sterilis* (Barren Brome), *Hordeum murinum* (Wall Barley), occasional *Achillea millefolium* (Yarrow) and a small amount of *Ranunculus acris* (Meadow Buttercup). The sward height is approximately 0.3 m to 0.5 m. The tussocks are not well developed.

Target Note 6. A wide tree-lined footpath to the northwest of, and outside, the survey site.

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

Plant Species	
	<i>Epilobium montanum</i> (Broad-leaved Willowherb)
<i>Acer campestre</i> (Field-maple)	<i>Epilobium parviflorum</i> (Hoary Willowherb)
<i>Acer pseudoplatanus</i> (Sycamore)	<i>Erophila verna</i> (Common Whitlow-grass)
<i>Betula pendula</i> (Silver Birch)	<i>Euphorbia peplus</i> (Petty Spurge)
<i>Buddleja davidii</i> (Butterfly-bush)	<i>Festuca rubra</i> (Red Fescue)
<i>Cotoneaster</i> sp.	<i>Galium aparine</i> (Cleavers)
<i>Cotoneaster simonsii</i> (Himalayan Cotoneaster)	<i>Geranium lucidum</i> (Shining Crane's-bill)
<i>Crataegus monogyna</i> (Hawthorn)	<i>Geranium molle</i> (Dove's-foot Crane's-bill)
<i>Fraxinus excelsior</i> (Ash)	<i>Geranium robertianum</i> (Herb-robert)
<i>Leycesteria formosa</i> (Himalayan Honeysuckle)	<i>Geum urbanum</i> (Wood Avens)
<i>Prunus avium</i> (Wild Cherry)	<i>Hedera</i> sp.
<i>Prunus laurocerasus</i> (Cherry-laurel)	<i>Hedera helix</i> agg. (Ivy)
<i>Prunus laurocerasus</i> 'Otto Luyken' (Cherry-laurel)	<i>Holcus lanatus</i> (Yorkshire-fog)
<i>Rosa canina</i> agg. (Dog-rose)	<i>Holcus mollis</i> (Creeping Soft-grass)
<i>Salix caprea</i> (Goat Willow)	<i>Hordeum murinum</i> (Wall Barley)
<i>Sambucus nigra</i> (Elder)	<i>Hypochaeris radicata</i> (Cat's-ear)
<i>Sorbus aucuparia</i> (Rowan)	<i>Lapsana communis</i> (Nipplewort)
<i>Symphoricarpos albus</i> (Snowberry)	<i>Lolium perenne</i> (Perennial Rye-grass)
	<i>Medicago lupulina</i> (Black Medick)
<i>Achillea millefolium</i> (Yarrow)	<i>Plantago lanceolata</i> (Ribwort Plantain)
<i>Aegopodium podagraria</i> (Ground-elder)	<i>Plantago major</i> (Greater Plantain)
<i>Aethusa cynapium</i> (Fool's Parsley)	<i>Poa annua</i> (Annual Meadow-grass)
<i>Agrostis capillaris</i> (Common Bent)	<i>Poa pratense</i> (Soft Meadow-grass)
<i>Agrostis stolonifera</i> (Creeping Bent)	<i>Ranunculus acris</i> (Meadow Buttercup)
<i>Alliaria petiolata</i> (Garlic Mustard)	<i>Ranunculus repens</i> (Creeping Buttercup)
<i>Anagallis arvensis</i> (Scarlet Pimpernel)	<i>Rubus fruticosus</i> agg. (Bramble)
<i>Anisantha sterilis</i> (Barren Brome)	<i>Rumex obtusifolius</i> (Broad-leaved Dock)
<i>Anthriscus sylvestris</i> (Cow Parsley)	<i>Sedum</i> sp. (A Stonecrop)
<i>Arrhenatherum elatius</i> (False Oat-grass)	<i>Senecio jacobaea</i> (Common Ragwort)
<i>Artemisia vulgaris</i> (Mugwort)	<i>Senecio squalidus</i> (Oxford Ragwort)
<i>Asplenium ruta-muraria</i> (Wall-rue)	<i>Senecio vulgaris</i> (Groundsel)
<i>Asplenium trichomanes</i> (Maidenhair Spleenwort)	<i>Sisymbrium officinale</i> (Hedge Mustard)
<i>Bellis perennis</i> (Daisy)	<i>Sonchus asper</i> (Prickly Sowthistle)
<i>Calystegia sepium</i> (Hedge Bindweed)	<i>Stellaria media</i> (Common Chickweed)
<i>Capsella bursa-pastoris</i> (Shepherd's-purse)	<i>Taraxacum</i> sect. <i>Ruderalia</i> (Common Dandelion)

<i>Cardamine hirsuta</i> (Hairy Bitter-cress)	<i>Trifolium pratense</i> (Red Clover)
<i>Cardamine pratensis</i> (Cuckoo-flower)	<i>Trifolium repens</i> (White Clover)
<i>Cerastium fontanum</i> (Common Mouse-ear)	<i>Tussilago farfara</i> (Colt's-foot)
<i>Cirsium arvense</i> (Creeping Thistle)	<i>Urtica dioica</i> (Common Nettle)
<i>Cirsium vulgare</i> (Spear Thistle)	<i>Verbascum thapsus</i> (Great Mullein)
<i>Dactylis glomerata</i> (Cock's-foot)	<i>Veronica arvensis</i> (Wall Speedwell)
<i>Epilobium ciliatum</i> (American Willowherb)	<i>Vicia sativa</i> (Common Vetch)
<i>Epilobium hirsutum</i> (Great Willowherb)	

9 APPENDIX 1 - SPECIES-SPECIFIC LEGISLATION

9.1 Introduction

9.1.1 The species-specific legislation below is presented here due either to the actual or suspected/ possible presence of each species on the site or within the zone of influence and is therefore considered to be relevant for this study.

9.1.2 This sub-section provides a brief summary of key relevant species legislation. It should not be considered a comprehensive review and is not meant to be so. It is provided here for information only and is not intended to replace specialised legal advice. It does not replace the text of the legislation, but summarises the salient points.

9.2 Badger

9.2.1 The Badger is protected in Britain under the *Protection of Badgers Act 1992* and *Schedule 6* of the *Wildlife and Countryside Act 1981* (as amended). The legislation affords protection to Badger and Badger setts, and makes it a criminal offence to:

- wilfully kill, injure, take, possess or cruelly ill-treat a Badger, or attempt to do so;
- interfere with a sett by damaging or destroying it;
- to obstruct access to, or any entrance of, a Badger sett; or
- to disturb a Badger when it is occupying a sett.

9.3 Bats

9.3.1 All species of British bat are listed on *Schedule 5* of the *Wildlife and Countryside Act 1981* (as amended), and receive full protection under *Section 9*. They are also listed as European Protected Species on *Schedule 2* of *The Conservation of Habitats and Species Regulations 2017* which gives them full protection under *Regulation 42(1)*. Protection was extended by the *Countryside and Rights of Way Act 2000* (the *CRoW Act 2000*).

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

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

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

9.3.4 All species of British bat are also protected under *Schedule 6* of the *Wildlife and Countryside Act 1981* (as amended). This protection relates specifically to trapping and direct pursuit of the species.

9.4 Great Crested Newt

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

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

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

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

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

9.5 Reptiles

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

9.5.2 Under the above legislation it is an offence to:

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

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

9.6 Birds

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

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

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

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

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

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

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

Cofnod Environmental Information Search (PUBLIC VERSION)

Our Reference	E08090
Your Reference	C427
Requested By	Marches Ecology
Data Users	Tom Knight, Partner, Marches Ecology Max Ellson, Partner, Marches Ecology Kiera Sayers, Project Manager, PDW Ltd David Bethell, PDW Ltd Jack Appleton, Principal Planner, Broadgrove Planning & Development Ltd Chris Wells, North Wales Housing Association
Search Date	13/05/2020
Expiry Date	13/11/2020
Search Type	Chargeable

Important Issues

- Use of the data is governed by Cofnod's [Terms & Conditions](#).
- Data marked as confidential or sensitive must not be released into the public domain, with the exception of the Public Version of the PDF report, which has had sensitive information removed or restricted.
- You should not amend any part of the downloaded records.
- Unless otherwise agreed, use of the data is valid until the Expiry Date (13/11/2020).
- The data was generated on the Search Date (13/05/2020) and is not live.
- The Dataset ID associated with each record can be used to find information about the provenance of the data. Verification Levels are given for each record. Refer to individual LERCs for further metadata and policies relating to the data.
- Please [contact us](#) if you have any questions about using the data or wish to add further Data Users.

Notes

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

Data Description

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

Abbreviations

ANG - Anglesey County Council Local Biodiversity Action Plan, **AONB** - Area of Outstanding Natural Beauty, **AW** - Ancient Woodland, **BAP** - UK Biodiversity Action Plan, **BDir1** - EU Birds Directive Annexe 1, **BDir2.1** - EU Birds Directive Annexe 2.1, **BDir2.2** - EU Birds Directive Annexe 2.2, **Bern** - Bern Convention on the Conservation of European Wildlife and Natural Habitats, **Bonn** - Bonn Convention on the Conservation of Migratory Species of Wild Animals, **CITES** - Convention on International Trade in Endangered Species of Wild Fauna and Flora, **CON** - Conwy County Borough Council Local Biodiversity Action Plan, **DEN** - Denbighshire County Council Local Biodiversity Action Plan, **EPS** - European Protected Species, **FLI** - Flintshire County Council Local Biodiversity Action Plan, **GWY** - Gwynedd County Council Local Biodiversity Action Plan, **HDir** - EU Habitats Directive, **INNS** - Invasive Non-native Species, **LBAP** - Local Biodiversity Action Plan species for the listed area, **LI** - Locally Important within the listed area, **LNR** - Local Nature Reserve, **MNR** - Marine Nature Reserve, **NNR** - National Nature Reserve, **NRW** - Natural Resources Wales Priority Species, **PBA** - Protection of Badgers Act 1992, **RD1(UK)** - Red Data Book listing for the UK based on IUCN guidelines, **RD1(Wales)** - Red Data Book listing for Wales based on IUCN guidelines, **RD2(UK)** - Red Data Book listing for the UK not based on IUCN guidelines, **RIGS** - Regionally Important Geodiversity Site, **S7** - Environment (Wales) Act 2016 (Section 7), **SAC** - Special Area of Conservation, **SNP** - Snowdonia National Park Local Biodiversity Action Plan, **SPA** - Special Protection Area, **SSSI** - Site of Special Scientific Interest, **UKBA** - RSPB UK Birds Amber List (not based on IUCN criteria), **UKBR** - RSPB UK Birds Red List (not based on IUCN criteria), **WBA** - RSPB Welsh Birds Amber List (not based on IUCN criteria), **WBR** - RSPB Welsh Birds Red List (not based on IUCN criteria), **WCA1.1** - Wildlife & Countryside Act 1981 Schedule 1.1 (Birds which are protected at all times), **WCA1.2** - Wildlife & Countryside Act 1981 Schedule 1.2 (Birds which are protected at certain times), **WCA5** - Wildlife & Countryside Act 1981 Schedule 5 (Animals which are protected from killing and taking, possession, disturbance and sale), **WCA8** - Wildlife & Countryside Act 1981 Schedule 8 (Plants which are protected), **WCA9** - Wildlife & Countryside Act 1981 Schedule 9 (Non-native animals and plants which are established in the wild), **WRE** - Wrexham County Council Local Biodiversity Action Plan, **WS** - Wildlife Site, **WVP** - IUCN Threat Listing of Welsh Vascular Plants

Contact Us

Cofnod - Gwasanaeth Gwybodaeth Amgylcheddol Gogledd Cymru/North Wales Environmental Information Service

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Search Location	Grid Reference
Bonc Wen	SJ28994639

Birds										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Acanthis cabaret</i> (Lesser Redpoll / Llinos Bengoch Leiaf)	SJ2845	21 records, between 28/04/2008 and 26/11/2017	Recorder Name Withheld	1; 2; 4; 5; 3		Penycae, E	GBW; Birdtrack;; BirdTrack	D0062/007/01 , D1297/005/01 , D1297/002/01	S7, UKBR, WBR, LBAP[CON, DEN]	3
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ299460 (Approximate)	04/12/2014	Recorder Name Withheld	4		Stryt Las		D1531/001/01	WBA	4
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ2946	24/01/2009 - 25/01/2009	Recorder Name Withheld				Occurrence ID: NBN-GA000656-BGBW2009-16442068-106734409	D1852/002/01	WBA	4
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ2845	34 records, between 27/01/2007 and 17/12/2017	Recorder Name Withheld	1; 3; 2; 6; 4; 12; 8; 9; 7; 5		Penycae, E (Home)	Occurrence ID: NBN-GA000656-BGBW2009-16441714-106734419; GBW; BirdTrack; Birdtrack:	D1297/021/01 , D1852/002/01 , D0062/007/01 , D1297/002/01 , D1297/005/01 , D1297/012/01 , D1297/020/01	WBA	4
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ2945	4 records, between 22/10/2008 and 02/03/2009	Recorder Name Withheld	2; 6		Rhosllanerchrugog, Stryt Las	Occurrence ID: NBN-GA000656-BGBW2009-16442454-106734444	D1297/002/01 , D1852/002/01	WBA	4
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ2947	24/01/2009 - 25/01/2009	Recorder Name Withheld				Occurrence ID: NBN-GA000656-BGBW2009-16442455-106734558	D1852/002/01	WBA	4
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ2746	09/10/2009	Recorder Name Withheld	5		Penycae, Tainant		D0062/001/01	WBA	3
<i>Alcedo atthis</i> (Kingfisher / Glas y Dorlan)	SJ2945	12/01/2008	Recorder Name Withheld	1+		Rhosllanerchrugog, Stryt Las		D1297/002/01	BDir1, Bern, UKBA, WBA, WCA1.1, LBAP[CON, DEN, FLI, GWY]	4
<i>Anas crecca</i> (Teal / Corhwyaden)	SJ2945	2 records, between 25/10/2015 and 24/11/2016	Recorder Name Withheld	14; 4		Rhosllanerchrugog, Stryt Las		D1297/020/01 , D1297/021/01	BDir2.1, CITES, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Anas platyrhynchos</i> (Mallard / Hwyaden Wyllt)	SJ2990146045 (GPS Reading)	19/08/2003	Recorder Name Withheld	Present		Pond SLH41 - Satellite 1		D1045/001/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	3
<i>Anas platyrhynchos</i> (Mallard / Hwyaden Wyllt)	SJ299460 (Approximate)	20/03/2020	Recorder Name Withheld	1 Female		Stryt Las		D1531/001/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	4
<i>Anas platyrhynchos</i> (Mallard / Hwyaden Wyllt)	SJ2945	21 records, between 12/01/2008 and 24/11/2016	Recorder Name Withheld	31; 20; 14; 1+; 10; 4; 2; 34; c50; 23; 22+; 32; 39		Rhosllanerchrugog, Stryt Las	Birdtrack;; BirdTrack	D1297/002/01 , D1297/020/01 , D1297/012/01 , D1297/005/01 , D1297/021/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	4
<i>Anas platyrhynchos</i> (Mallard / Hwyaden Wyllt)	SJ2746	14/03/2015	Recorder Name Withheld	10		Penycae, Tainant		D1297/020/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ293462	07/05/2013	Recorder Name Withheld	3		Rhosllanerchrugog village		D1297/012/01	UKBA, WBA	4
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ285458 (Selected from Interactive Map)	22/06/2019	Recorder Name Withheld	~30 Adult	Live Sighting	Penycae		D1622/001/01	UKBA, WBA	4
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ28734563	2 records, both in 2010	Recorder Name Withheld	50; 3	Nest	LI14 2pn	Estimated number of screaming swifts. Possible breeding. RecordID:4552; Probable breeding. RecordID:4552	D1734/001/01 , D1735/001/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ28754559	2 records, both in 2011	Recorder Name Withheld	1; 20	Nest		Probable breeding. RecordID:7125; Estimated number of screaming swifts. Possible breeding. RecordID:7125	D1735/001/01 , D1734/001/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ28784556	2011	Recorder Name Withheld	1	Nest		Probable breeding. RecordID:36677	D1735/001/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ2946	04/07/2009	Recorder Name Withheld	30		Rhosllanerchrugog	d Activity	D0062/001/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ2845	6 records, between 27/04/2008 and 09/05/2016	Recorder Name Withheld	2; 4; 3; 1+		Penycae, E (Home)	BirdTrack	D1297/021/01 , D1297/005/01 , D1297/012/01 , D1297/020/01 , D1297/002/01	UKBA, WBA	4
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ2945	3 records, between 03/06/2008 and 07/05/2014	Recorder Name Withheld	2; 3		Rhosllanerchrugog, Stryt Las		D1297/002/01 , D1297/012/01 , D0062/005/01	UKBA, WBA	4
<i>Aythya ferina</i> (Pochard / Hwyaden Bengoch)	SJ24	4 records, between 01/04/2005 and 02/02/2008	Recorder Name Withheld	1+; 1; 3 Female; 4		Site Name Withheld	Comments Withheld	D1297/002/01 , D0062/001/01	BDir2.1, UKBR, WBR, LBAP[CON]	4
<i>Aythya fuligula</i> (Tufted Duck / Hwyaden Gopog)	SJ2945	28 records, between 01/04/2005 and 24/11/2016	Recorder Name Withheld	8; 2; 12; 40; 1+; 1; 20; 25; Adult Female 2; Adult Male 5; 22+; 14+; 17; 1 Female; 8 Male; 46; 1 Male; 14 Adult; 27; 9; 14; 18		Rhosllanerchrugog, Stryt Las	Birdtrack.; BirdTrack; Mostly in pairs [sorry]	D1297/002/01 , D1297/012/01 , D1297/020/01 , D1297/005/01 , D0062/001/01 , D0062/003/01 , D1297/021/01 , D0062/005/01	BDir2.1, WBA, LBAP[CON]	4
<i>Branta canadensis</i> (Canada Goose / Gwydd Canada)	SJ2945	3 records, between 01/05/2005 and 24/11/2016	Recorder Name Withheld	1; 2		Rhosllanerchrugog, Stryt Las		D1297/021/01 , D0062/001/01 , D1297/020/01	BDir2.1, INNS, WCA9	4
<i>Bucephala clangula</i> (Goldeneye / Hwyaden Lygad-Aur)	SJ2945	02/12/2009	Recorder Name Withheld	1		Rhosllanerchrugog, Stryt Las		D1297/002/01	BDir2.2, UKBA, WCA1.2, LBAP[CON]	4
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ286460	01/11/2012	Recorder Name Withheld	2		North of Stryt-issa, Rhosllanerchrugog, Denbighshire	field record	D0969/001/04	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	4
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ2845	6 records, between 06/01/2007 and 03/02/2015	Recorder Name Withheld	12; 20; 4; 3; 1; 2		Penycae, E (Home)	Birdtrack:	D1297/020/01 , D1297/002/01 , D1297/005/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ2945	16 records, between 12/01/2008 and 24/11/2016	Recorder Name Withheld	120; 41; 50; 150; 99; 1+; 30; 10; 40; 22; 100+; c50; 200; 35; c70		Rhosllanerchrugog, Stryt Las	Birdtrack.; BirdTrack	D1297/005/01 , D1297/002/01 , D1297/012/01 , D1297/020/01 , D1297/021/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	4
<i>Cygnus olor</i> (Mute Swan / Alarch Dof)	SJ299460 (Approximate)	2 records, between 10/06/1997 and 04/12/2014	Recorder Name Withheld	3		Stryt Las	1 on small pond, 2 flying over	D1531/001/01 , D0229/002/01	BDir2.2, UKBA, WBA, LBAP[CON]	4
<i>Cygnus olor</i> (Mute Swan / Alarch Dof)	SJ2945	10 records, between 03/06/2008 and 21/04/2015	Recorder Name Withheld	2; 1; 3; 1 Male; 1 Female; 2 Juvenile		Rhosllanerchrugog, Stryt Las	Breeding status: Occupied nest; Birdtrack:	D1297/002/01 , D1297/012/01 , D1297/020/01 , D1297/005/01 , D0062/003/01 , D0062/005/01	BDir2.2, UKBA, WBA, LBAP[CON]	4
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ299460	10/06/1997	Recorder Name Withheld			Stryd Las		D0229/002/01	Bern, UKBA, WBA, LBAP[CON]	4
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ2946	04/07/2009	Recorder Name Withheld	15		Rhosllanerchrugog	H Activity	D0062/001/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ2845	21/04/2007	Recorder Name Withheld	1		Penycae, E		D1297/002/01	Bern, UKBA, WBA, LBAP[CON]	4
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ2945	03/06/2008	Recorder Name Withheld	1		Rhosllanerchrugog, Stryt Las		D1297/002/01	Bern, UKBA, WBA, LBAP[CON]	4
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ298461	02/07/2014	Recorder Name Withheld	1 Adult Male		Stryt Las		D1531/001/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	4
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ299460	2 records, between 03/02/2007 and 04/12/2014	Recorder Name Withheld	1 Adult Male; 1	Field record	Stryt Las Country Park		D1398/002/01 , D1531/001/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	4
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ2845	3 records, between 05/03/2017 and 26/03/2017	Recorder Name Withheld	1		Penycae, E	GBW	D0062/007/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	3
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ2945	2 records, between 12/01/2008 and 05/03/2010	Recorder Name Withheld	1+; 1		Rhosllanerchrugog, Stryt Las	Birdtrack:	D1297/002/01 , D1297/005/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	4
<i>Falco peregrinus</i> (Peregrine / Hebog Tramor)	SJ24	04/07/2009	Recorder Name Withheld	1 Juvenile		Site Name Withheld	Comments Withheld	D0062/001/01	BDir1, Bern, CITES, WCA1.1, LBAP[ANG, CON, GWY]	3
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ2845	6 records, between 17/02/2007 and 10/07/2015	Recorder Name Withheld	1; 1+; 2		Penycae, E (Home)		D1297/020/01 , D1297/002/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ2945	03/06/2008	Recorder Name Withheld	1		Rhosllanerchrugog, Stryt Las		D1297/002/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Ficedula hypoleuca</i> (Pied Flycatcher / Gwybedog Brith)	SJ2746	2 records, between 11/05/2011 and 21/05/2011	Recorder Name Withheld	1 Male		Penycae, Tainant		D0062/003/01	S7, UKBR, WBR, LBAP[CON, GWY, SNP]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Fringilla montifringilla</i> (Brambling / Pinc y Mynydd)	SJ2845	4 records, between 10/02/2008 and 29/01/2017	Recorder Name Withheld	1; Female/1st-winter Female 1		Penycae, E	GBW	D0062/007/01 , D1297/012/01 , D1297/002/01	WCA1.1, LBAP[CON]	3
<i>Gallinago gallinago</i> (Snipe / Giach Cyffredin)	SJ299460 (Approximate)	3 records, between 04/12/2014 and 20/03/2020	Recorder Name Withheld	3; 2 Full-Grown		Stryt Las		D1531/001/01	BDir2.1, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ2915945908	13/08/2007	Recorder Name Withheld			Pant Hill Farm	Nesting	D1374/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	4
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ2946	04/07/2009	Recorder Name Withheld	1		Rhosllanerchrugog	H Activity	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ2845	5 records, between 25/04/2007 and 16/06/2011	Recorder Name Withheld	2; 3; 1+		Penycae, E	Birdtrack.; BirdTrack	D1297/002/01 , D1297/005/01	Bern, WBA, LBAP[ANG, CON, GWY]	4
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ2945	03/06/2008	Recorder Name Withheld	1		Rhosllanerchrugog, Stryt Las		D1297/002/01	Bern, WBA, LBAP[ANG, CON, GWY]	4
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ2847	04/07/2009	Recorder Name Withheld	5		Llwyneinion	H Activity	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ2947	04/07/2009	Recorder Name Withheld	1		Rhosllanerchrugog, N	H Activity	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ2746	11/07/2009	Recorder Name Withheld	1		Penycae, Tainant	H Activity	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ2945	12 records, between 12/01/2008 and 24/11/2016	Recorder Name Withheld	1+; 1; 60+; 2; 6; 4; 4+; c15; 3; 250		Rhosllanerchrugog, Stryt Las	Birdtrack:	D1297/002/01 , D1297/005/01 , D1297/012/01 , D1297/020/01 , D1297/021/01	BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	4
<i>Larus canus</i> (Common Gull / Gwylan y Gweunydd)	SJ2945	5 records, between 06/11/2008 and 05/03/2010	Recorder Name Withheld	1; 10		Rhosllanerchrugog, Stryt Las	Birdtrack:	D1297/002/01 , D1297/005/01	BDir2.2, UKBA, WBR	4
<i>Larus fuscus</i> (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ2946	04/07/2009	Recorder Name Withheld	1		Rhosllanerchrugog		D0062/001/01	BDir2.2, UKBA, WBA, LBAP[CON, GWY, SNP]	3
<i>Larus fuscus</i> (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ2945	3 records, between 02/12/2009 and 24/11/2016	Recorder Name Withheld	37+; 5; 6+		Rhosllanerchrugog, Stryt Las		D1297/012/01 , D1297/002/01 , D1297/021/01	BDir2.2, UKBA, WBA, LBAP[CON, GWY, SNP]	4
<i>Linaria cannabina</i> (Linnet / Llinos)	SJ2845	11/01/2011	Recorder Name Withheld	1		Penycae, E	BirdTrack	D1297/005/01	Bern, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SJ2845	2 records, between 16/06/2011 and 29/01/2017	Recorder Name Withheld	1+; 1		Penycae, E	GBW; BirdTrack	D0062/007/01 , D1297/005/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SJ2746	3 records, between 15/05/2010 and 21/05/2011	Recorder Name Withheld	1 Adult; 1 Male; 3 Male		Penycae, Tainant	1st of year; My first of year	D0062/003/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ299460 (Approximate)	2 records, between 04/12/2014 and 07/12/2018	Recorder Name Withheld	5; 3	Live Sighting	Stryt Las		D1531/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ2846	2 records, between 26/01/2008 and 04/07/2009	Recorder Name Withheld	3		Rhosllanerchrugog, W	H Activity; Occurrence ID: NBN-GA000567-BGBW2008-22135373-139489554	D0062/001/01 , D1852/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ2946	3 records, between 26/01/2008 and 04/07/2009	Recorder Name Withheld	4		Rhosllanerchrugog	H Activity; Occurrence ID: NBN-GA000656-BGBW2009-16442378-106608848; Occurrence ID: NBN-GA000567-BGBW2008-22135382-139481720	D0062/001/01 , D1852/002/01 , D1852/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ2845	78 records, between 28/01/2007 and 24/12/2017	Recorder Name Withheld	14; 12; 17; 13; 10; 9; 8; 7; 6; 3; 4; 2; 5; 21; 23; 18; 19; 15; 11; 1; 20; 1+		Wrexham Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135369-139547731; Occurrence ID: NBN-GA000656-BGBW2009-16441714-106608868; GBW; Birdtrack:	D1852/001/01 , D1852/002/01 , D0062/007/01 , D1297/020/01 , D1297/002/01 , D1297/005/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	4
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ2945	5 records, between 26/01/2008 and 21/04/2015	Recorder Name Withheld	4; 1+; 3		Rhosllanerchrugog, Stryt Las	Occurrence ID: NBN-GA000656-BGBW2009-16442454-106608918; Occurrence ID: NBN-GA000567-BGBW2008-22135381-139419192	D1297/002/01 , D1297/020/01 , D1852/002/01 , D1852/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	4
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ2847	2 records, between 26/01/2008 and 24/01/2009	Recorder Name Withheld			Wrexham Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135374-139272585; Occurrence ID: NBN-GA000656-BGBW2009-16441947-106608912	D1852/001/01 , D1852/002/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	4
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ2947	2 records, between 24/01/2009 and 04/07/2009	Recorder Name Withheld	4			Occurrence ID: NBN-GA000656-BGBW2009-16442455-106609063; H Activity	D1852/002/01 , D0062/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	4
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ2746	3 records, between 11/07/2009 and 27/03/2015	Recorder Name Withheld	2; 6; 10		Penycae, Tainant	H Activity	D0062/001/01 , D1297/020/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ2846	04/07/2009	Recorder Name Withheld	1		Rhosllanerchrugog, W	H Activity	D0062/001/01	Bern, WBA, LBAP[CON]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ2845	39 records, between 01/01/2007 and 24/12/2017	Recorder Name Withheld	2; 3; 1; 6; 1+; 4			Occurrence ID: NBN-GA000656-BGBW2009-16441520-106179325; GBW; Birdtrack;; BirdTrack	D1852/002/01 , D0062/007/01 , D1297/002/01 , D1297/005/01 , D1297/012/01 , D1297/020/01	Bern, WBA, LBAP[CON]	4
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ2945	3 records, between 24/01/2009 and 05/03/2010	Recorder Name Withheld	1		Rhosllanerchrugog, Stryt Las	Birdtrack;; Occurrence ID: NBN-GA000656-BGBW2009-16442454-106179457	D1297/002/01 , D1297/005/01 , D1852/002/01	Bern, WBA, LBAP[CON]	4
<i>Phylloscopus trochilus</i> (Willow Warbler / Telor yr Helyg)	SJ299460	10/06/1997	Recorder Name Withheld			Stryd Las		D0229/002/01	UKBA, WBR, LBAP[CON]	4
<i>Phylloscopus trochilus</i> (Willow Warbler / Telor yr Helyg)	SJ2945	21/04/2015	Recorder Name Withheld	1		Rhosllanerchrugog, Stryt Las		D1297/020/01	UKBA, WBR, LBAP[CON]	4
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ299460 (Approximate)	04/12/2014	Recorder Name Withheld	4		Stryt Las		D1531/001/01	Bern, S7, UKBA, LBAP[CON]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ2846	04/07/2009	Recorder Name Withheld	1		Rhosllanerchrugog, W	S Activity	D0062/001/01	Bern, S7, UKBA, LBAP[CON]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ2946	24/01/2009 - 25/01/2009	Recorder Name Withheld				Occurrence ID: NBN-GA000656-BGBW2009-16442068-106179346	D1852/002/01	Bern, S7, UKBA, LBAP[CON]	4
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ2845	81 records, between 06/01/2007 and 24/12/2017	Recorder Name Withheld	2; 3; 1; 4; 5; 1+			Occurrence ID: NBN-GA000656-BGBW2009-16441830-106179834; GBW; Birdtrack;; BirdTrack	D1852/002/01 , D0062/007/01 , D1297/021/01 , D1297/020/01 , D1297/012/01 , D1297/002/01 , D1297/005/01	Bern, S7, UKBA, LBAP[CON]	4
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ2945	9 records, between 03/06/2008 and 25/10/2015	Recorder Name Withheld	3; 1; 2; 1+; 4		Rhosllanerchrugog, Stryt Las	BirdTrack; Occurrence ID: NBN-GA000656-BGBW2009-16442454-106179459	D1297/005/01 , D1297/002/01 , D1297/012/01 , D1297/020/01 , D1852/002/01	Bern, S7, UKBA, LBAP[CON]	4
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ2947	04/07/2009	Recorder Name Withheld	2		Rhosllanerchrugog, N	S Activity	D0062/001/01	Bern, S7, UKBA, LBAP[CON]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ2746	2 records, between 04/07/2009 and 27/03/2015	Recorder Name Withheld	1; 3		Penycae, Tainant	S Activity	D0062/001/01 , D1297/020/01	Bern, S7, UKBA, LBAP[CON]	3
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ299460	2 records, between 07/01/2009 and 04/12/2014	Recorder Name Withheld	1 Adult Male; 4	Field record	Stryt Las Country Park		D1398/002/01 , D1531/001/01	S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ2845	17 records, between 25/04/2007 and 28/05/2015	Recorder Name Withheld	2; 1; 1+			Occurrence ID: NBN-GA000656-BGBW2009-16441829-105771245; Female; BirdTrack; Birdtrack:	D1852/002/01 , D1297/020/01 , D1297/012/01 , D1297/002/01 , D1297/005/01	S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Pyrrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ2945	4 records, between 10/02/2009 and 05/03/2010	Recorder Name Withheld	1; 3; 2		Rhosllanerchrugog, Stryt Las	Birdtrack:	D1297/005/01 , D1297/002/01	S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ2945	06/11/2008	Recorder Name Withheld	3		Rhosllanerchrugog, Stryt Las		D1297/002/01	Bern, WBA, LBAP[CON]	4
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ2846	26/01/2008 - 27/01/2008	Recorder Name Withheld			Wrexham, Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135729-139489555	D1852/001/01	BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	4
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ2946	2 records, between 26/01/2008 and 24/01/2009	Recorder Name Withheld			Wrexham, Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135733-139481721; Occurrence ID: NBN-GA000656-BGBW2009-16442378-106878408	D1852/001/01 , D1852/002/01	BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	4
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ2845	51 records, between 26/01/2008 and 24/12/2017	Recorder Name Withheld	16; 10; 9; 12; 11; 14; 7; 8; 6; 3; 1; 2; 4; 18; 13; 15; 30; 100+			Occurrence ID: NBN-GA000656-BGBW2009-16441424-106878531; Occurrence ID: NBN-GA000567-BGBW2008-22135715-139603656; GBW; Birdtrack:	D1852/002/01 , D1852/001/01 , D0062/007/01 , D1297/002/01 , D1297/005/01	BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	4
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ2945	3 records, between 26/01/2008 and 14/02/2010	Recorder Name Withheld	1+		Rhosllanerchrugog, Stryt Las	Birdtrack;; Occurrence ID: NBN-GA000656-BGBW2009-16442454-106878448; Occurrence ID: NBN-GA000567-BGBW2008-22135750-139412760	D1297/005/01 , D1852/002/01 , D1852/001/01	BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ2746	2 records, between 17/12/2008 and 21/05/2011	Recorder Name Withheld	3 Fullgrown; 102		Penycae, Tainant	Probably a family	D0062/003/01 , D0062/001/01	BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON, FLI, GWY]	3
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ299460 (Approximate)	04/12/2014	Recorder Name Withheld	4		Stryt Las		D1531/001/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	4
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ2845	9 records, between 12/01/2008 and 04/01/2015	Recorder Name Withheld	48; 9; 30; 7; 20; 1+; 30+; 1; 6		Penycae, E (Home)		D1297/020/01 , D1297/012/01 , D1297/002/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	4
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ2945	14/02/2010	Recorder Name Withheld	1+		Rhosllanerchrugog, Stryt Las	Birdtrack:	D1297/005/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	4
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ2746	17/12/2008	Recorder Name Withheld	8		Penycae, Tainant		D0062/001/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ2845	22 records, between 24/02/2007 and 26/11/2017	Recorder Name Withheld	1; 1+; 2			Occurrence ID: NBN-GA000656- BGBW2009-16441640- 106817479; GBW; Birdtrack:	D1852/002/01 , D0062/007/01 , D1297/021/01 , D1297/002/01 , D1297/005/01	BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ2945	4 records, between 06/11/2008 and 10/02/2015	Recorder Name Withheld	1		Rhosllanerchrugog, Stryt Las		D1297/002/01 , D1297/020/01	BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ2746	2 records, both on 27/03/2015	Recorder Name Withheld	1; 2		Tai Nant		D1297/020/01	BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ2845	5 records, between 12/01/2008 and 26/11/2017	Recorder Name Withheld	1; 15; 5; 50; 1+		Penycae, E	GBW	D0062/007/01 , D1297/020/01 , D1297/002/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ2746	2 records, between 17/12/2008 and 09/10/2011	Recorder Name Withheld	6; 18		Penycae, Tainant	1st of autumn	D0062/003/01 , D0062/001/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ24	3 records, between 27/09/2014 and 16/11/2014	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0062/005/01	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ24	13/08/2008	Recorder Name Withheld	4		Site Name Withheld	Comments Withheld	D0062/001/01	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ24	13/01/2010	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0062/003/01	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Vanellus vanellus</i> (Lapwing / Cornchwiglen)	SJ2845	30/04/2008	Recorder Name Withheld	1+		Penycae, E		D1297/002/01	BDir2.2, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Vanellus vanellus</i> (Lapwing / Cornchwiglen)	SJ2746	4 records, between 24/04/2010 and 08/04/2015	Recorder Name Withheld	2 Female; 2 Male; 4; 6		Penycae, Tainant	2+ breeding pairs on pasture; BTO Breeding Status: P	D0062/003/01 , D1297/020/01	BDir2.2, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Fish										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Cyprinus carpio</i> (Common Carp / Cerpyn)	SJ2990146045 (GPS Reading)	19/08/2003	Recorder Name Withheld	Present		Pond SLH41 - Satellite 1		D1045/001/01	INNS, LBAP[CON]	3

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Mammals										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Arvicola amphibius</i> (Water Vole / Llygoden Bengron y Dwr)	SJ298459	27/04/1999	Recorder Name Withheld					D0121/001/02	S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Arvicola amphibius</i> (Water Vole / Llygoden Bengron y Dwr)	SJ299459	27/04/1999	Recorder Name Withheld		Live Sighting	Stryt Las		D1118/013/01	S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SJ2946 (Selected from Interactive Map)	2 records, between 17/04/2018 and 15/05/2018	Recorder Name Withheld	1	Not Applicable	Site Name Withheld	Comments Withheld	D1320/014/01	EPS, WCA5, LBAP[ANG, DEN, FLI, SNP]	4
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SJ2845	24/07/1998	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	EPS, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ296463	19/08/2003	Recorder Name Withheld	2		2, Hill Street, Rhos, Wrexham	Alive	D0971/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	4
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ295468	3 records, between 2012 and 2015	Recorder Name Withheld	3; 2	Live Sighting			D1688/001/03 , D1574/001/03	Bern, S7, LBAP[ANG, CON, FLI, GWY]	3
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ288456	2016	Recorder Name Withheld		Live Sighting			D1688/001/03	Bern, S7, LBAP[ANG, CON, FLI, GWY]	3
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ29704594 (Selected from Interactive Map)	31/05/2013	Recorder Name Withheld	1 Adult	Live Sighting	Back garden of 57 gardden road	See most nights; Time of sighting: 10.30pm; Habitat: Garden	D1383/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	4
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ287455	24/10/2012	Recorder Name Withheld	3 Adult	Live Sighting	Maelor avenue, penycae	Time of sighting: 20.45	D1383/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	4
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ284456	2015	Recorder Name Withheld		Live Sighting			D1688/001/03	Bern, S7, LBAP[ANG, CON, FLI, GWY]	3
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ285455	2018	Recorder Name Withheld		Live Sighting			D1688/001/03	Bern, S7, LBAP[ANG, CON, FLI, GWY]	3
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ2845	2006	Recorder Name Withheld	1 adult				D1847/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	1
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ2847 (Selected from Interactive Map)	21/05/2014	Recorder Name Withheld	1 Adult	Live Sighting	Llwyneinion wood	Huge; Time of sighting: night; Habitat: Woodland	D1383/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	4
<i>Mustela putorius</i> (Polecat / Ffwlbart)	SJ298468	15/09/2014	Recorder Name Withheld		Dead on road	Ponciau	Classification: True polecat	D1544/002/01	Bern, HDir, RD2(UK), S7, LBAP[CON, FLI, GWY, SNP]	1
<i>Myotis</i> (Myotis Bat Species)	SJ2945	14/08/2007	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1374/001/01	Bern, EPS, HDir, WCA5, LBAP[ANG, DEN, FLI, SNP]	1
<i>Myotis</i> (Myotis Bat Species)	SJ2946	06/05/2008	Recorder Name Withheld	6 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, WCA5, LBAP[ANG, DEN, FLI, SNP]	1
<i>Myotis brandtii</i> (Brandt's Bat / Ystlum Brandt)	SJ2946	06/05/2008	Recorder Name Withheld	1 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, RD2(UK), WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	1
<i>Myotis daubentonii</i> (Daubenton's Bat / Ystlum y Dwr)	SJ2946	06/05/2008	Recorder Name Withheld	33 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, RD2(UK), WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Myotis mystacinus</i> (Whiskered Bat / Ystlum Barfog)	SJ2847	25/08/2000	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	3
<i>Myotis nattereri</i> (Natterer's Bat / Ystlum Natterer)	SJ2946	06/05/2008	Recorder Name Withheld	3 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, RD2(UK), WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Neovison vison</i> (American Mink / Minc)	SJ2947 (Supplied by Original Recorder)	May 2008	Recorder Name Withheld	2		Garden near Pentre Bychan		D0967/003/01	INNS, WCA9	4
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SJ2945	13/08/2007	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1374/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SJ2946	06/05/2008	Recorder Name Withheld	1 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus</i> (Pipistrellus Bat Species)	SJ2946 (Estimated Centroid of Site))	28/07/2004	Recorder Name Withheld		Bat Roost	Site Name Withheld	Comments Withheld	D0026/274/01	EPS, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Pipistrellus</i> (Pipistrellus Bat Species)	SJ2946	06/05/2008	Recorder Name Withheld	71 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	EPS, WCA5, LBAP[ANG, DEN, FLI, SNP]	1
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ2845	2 records, between 02/05/2016 and 07/06/2016	Recorder Name Withheld	2; 1		Site Name Withheld	Comments Withheld	D1798/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ2945	13/08/2007	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1374/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ2946	2 records, between 16/05/2017 and 22/06/2017	Recorder Name Withheld	2; 1		Site Name Withheld	Comments Withheld	D1798/002/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ2946	05/09/1996	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ2945	07/08/1992	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ2845	1994	Recorder Name Withheld	40		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ2946	06/05/2008	Recorder Name Withheld	14 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Pipistrellus pygmaeus</i> (Soprano Pipistrelle / Ystlum Lleiaf Uchelsain)	SJ2845	02/05/2016	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1798/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	4
<i>Pipistrellus pygmaeus</i> (Soprano Pipistrelle / Ystlum Lleiaf Uchelsain)	SJ2945	14/08/2007	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1374/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Pipistrellus pygmaeus</i> (Soprano Pipistrelle / Ystlum Lleiaf Uchelsain)	SJ2946	06/05/2008	Recorder Name Withheld	244 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, DEN, FLI, GWY, SNP]	1
<i>Plecotus auritus</i> (Brown Long-eared Bat / Ystlum Hirglust)	SJ2946 (Supplied by Original Recorder)	2 records, between 14/03/2016 and 04/07/2016	Recorder Name Withheld	1 Adult; 20 Droppings	Bat Roost	Site Name Withheld	Comments Withheld	D1117/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Plecotus auritus</i> (Brown Long-eared Bat / Ystlum Hirglust)	SJ2946	06/05/2008	Recorder Name Withheld	8 Adult	Bat Detector	Site Name Withheld	Comments Withheld	D1398/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4

- PUBLIC VERSION -

Plants										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Cotoneaster horizontalis</i> (Wall Cotoneaster / Cotoneaster Asgwrn Pysgodyn)	SJ292460	10/11/2014	Recorder Name Withheld			Rhosllanerchrugog	Churchyard	D1169/004/02	INNS, WCA9	3
<i>Cotoneaster simonsii</i> (Himalayan Cotoneaster / Cotoneaster Simons)	SJ2847	10/11/2014	Recorder Name Withheld			Llwyneinion	Bird-sown	D1169/004/02	INNS, WCA9	3
<i>Crassula helmsii</i> (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ2988746087 (Selected from Interactive Map)	17/04/2007	Recorder Name Withheld	1		Stryt Las - Gutter Hill: SLH43		D1320/014/01	INNS, WCA9	4
<i>Crassula helmsii</i> (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ2989446075 (Selected from Interactive Map)	5 records, between 07/05/2015 and 15/05/2018	Recorder Name Withheld	A DAFOR; Present	Not Applicable; Torch Count	Stryt Las - Gutter Hill: SLH41/42		D1320/014/01	INNS, WCA9	4
<i>Crassula helmsii</i> (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ2989246055 (Selected from Interactive Map)	15/05/2012	Recorder Name Withheld	A DAFOR	Not Applicable	Stryt Las - Gutter Hill: SLH41 (former site)		D1320/014/01	INNS, WCA9	4
<i>Crassula helmsii</i> (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ299461	01/12/2007	Recorder Name Withheld			Stryt Las a'r Hafod SSSI	Stryt las Country Park. Rapidly expanding, possibly introduced by locals introducing fish. In ponds SLH 41-43. c. 50% coverage, although some die-back after recent management works.	D1286/001/02	INNS, WCA9	4
<i>Crocasmia pottsii x aurea</i> = <i>C. x crocosmiiflora</i> (Montbretia / Crib-y-Ceiliog)	SJ2946	14/09/2014	Recorder Name Withheld			Rhosllanerchrugog		D1169/004/02	INNS, WCA9	3
<i>Crocasmia pottsii x aurea</i> = <i>C. x crocosmiiflora</i> (Montbretia / Crib-y-Ceiliog)	SJ2945	29/09/2014	Recorder Name Withheld			Gardden Hall		D1169/004/02	INNS, WCA9	3
<i>Crocasmia pottsii x aurea</i> = <i>C. x crocosmiiflora</i> (Montbretia / Crib-y-Ceiliog)	SJ2847	10/11/2014	Recorder Name Withheld			Llwyneinion		D1169/004/02	INNS, WCA9	3
<i>Crocasmia pottsii x aurea</i> = <i>C. x crocosmiiflora</i> (Montbretia / Crib-y-Ceiliog)	SJ2746	30/07/2015	Recorder Name Withheld			Tainant		D1169/004/02	INNS, WCA9	3
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ292465	07/06/2008	Recorder Name Withheld		Reported to recorder	Wrexham County	Back of hairdressers, report to council	D1286/001/02	INNS, WCA9	4
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ292460	10/11/2014	Recorder Name Withheld			Rhosllanerchrugog	Churchyard	D1169/004/02	INNS, WCA9	3
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ299461	21/05/2008	Recorder Name Withheld			Stryt Las a'r Hafod SSSI	Across top of bank on Country Park at Stryt Las, near footpath and watercourse, also in roadside hedge.	D1286/001/02	INNS, WCA9	4
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ2946	14/10/2015	Recorder Name Withheld			Rhosllanerchrugog		D1169/004/02	INNS, WCA9	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ2945	2 records, between 14/09/2014 and 29/09/2014	Recorder Name Withheld			Gardden Hall		D1169/004/02	INNS, WCA9	3
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SJ2947	14/10/2015	Recorder Name Withheld			Talwrn		D1169/004/02	INNS, WCA9	3
<i>Hyacinthoides non-scripta</i> (Bluebell / Clychau'r Gog)	SJ2945	31/10/2014	Recorder Name Withheld			Gardden Hall		D1169/004/02	WCA8, LBAP[ANG, CON, FLI, SNP]	3
<i>Lamiastrum galeobdolon</i> <i>subsp. argentatum</i> (Variegated Yellow Archangel)	SJ2746	30/07/2011	Recorder Name Withheld			Tainant	1st for SJ 24?	D1169/004/02	INNS, WCA9	3
<i>Lathyrus nissolia</i> (Grass Vetchling / Ytbysen Feinddail)	SJ29894625	14/09/2014	Recorder Name Withheld			Rhosllanerchrugog	Barish grassy area near small pool	D1169/004/02	LI[VC49, VC50]	3
<i>Meconopsis cambrica</i> (Welsh Poppy / Pabi Cymreig)	SJ2946	14/10/2015	Recorder Name Withheld			Rhosllanerchrugog		D1169/004/02	RD2(UK)S, LBAP[CON, DEN], LI[VC48, VC49]	3
<i>Prunus laurocerasus</i> (Cherry Laurel / Coeden Lawrgeirios)	SJ292460	10/11/2014	Recorder Name Withheld			Rhosllanerchrugog	Churchyard	D1169/004/02	INNS	3
<i>Prunus laurocerasus</i> (Cherry Laurel / Coeden Lawrgeirios)	SJ2946	14/10/2015	Recorder Name Withheld			Rhosllanerchrugog		D1169/004/02	INNS	3
<i>Prunus laurocerasus</i> (Cherry Laurel / Coeden Lawrgeirios)	SJ2945	31/10/2014	Recorder Name Withheld			Gardden Hall		D1169/004/02	INNS	3
<i>Ranunculus aquatilis</i> (Common Water-crowfoot / Crafant-y-Frân y Dwr)	SJ29894625	14/09/2014	Recorder Name Withheld			Rhosllanerchrugog	Small pool	D1169/004/02	LI[VC48, VC50]	3
<i>Rhododendron ponticum</i>	SJ2946	10/11/2014	Recorder Name Withheld			Rhosllanerchrugog		D1169/004/02	INNS, WCA9	3
<i>Sedum album</i> (White Stonecrop / Briweg Wen)	SJ293460	10/11/2014	Recorder Name Withheld			Rhosllanerchrugog	Cemetery	D1169/004/02	INNS	3
<i>Sedum album</i> (White Stonecrop / Briweg Wen)	SJ2945	14/09/2014	Recorder Name Withheld			Gardden Hall		D1169/004/02	INNS	3

Reptiles and Amphibians										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SJ2988146268 (Selected from Interactive Map)	05/05/2013	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH44		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SJ2987646143 (Selected from Interactive Map)	2 records, between 17/04/2018 and 15/05/2018	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH46		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SJ2988646174 (Selected from Interactive Map)	18/04/2013	Recorder Name Withheld	1 Adult (Sex Unknown)		Stryt Las - Gutter Hill: SLH47		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SJ2990646152 (Selected from Interactive Map)	30/04/2019	Recorder Name Withheld	1 Age & Sex Unknown	Torch Count	Stryt Las - Gutter Hill: SLH52		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SJ2988746087 (Selected from Interactive Map)	2 records, between 17/04/2007 and 17/05/2016	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH43		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SJ2989446075 (Selected from Interactive Map)	17/04/2018	Recorder Name Withheld	1 Adult (Sex Unknown); Present Larva/Tadpole	Torch Count	Stryt Las - Gutter Hill: SLH41/42		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SJ2992446137 (Selected from Interactive Map)	17/04/2018	Recorder Name Withheld	2 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH51		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2988146294 (Selected from Interactive Map)	07/05/2015	Recorder Name Withheld	1 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH45		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2988146268 (Selected from Interactive Map)	30/04/2009	Recorder Name Withheld	4 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH44		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2990646152 (Selected from Interactive Map)	07/05/2015	Recorder Name Withheld	2 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH52		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2988746087 (Selected from Interactive Map)	15/05/2018	Recorder Name Withheld	1 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH43		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2990246127 (Selected from Interactive Map)	13/04/2010	Recorder Name Withheld	1 Adult Male; 1 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH50		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2989446075 (Selected from Interactive Map)	07/05/2015	Recorder Name Withheld	3 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH41/42		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2992446137 (Selected from Interactive Map)	07/05/2015	Recorder Name Withheld	1 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH51		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ2991546061 (Selected from Interactive Map)	17/04/2012	Recorder Name Withheld	1 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH42 (former site)		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ298464	2 records, both in 1984	Recorder Name Withheld			Ruabon		D1076/001/02	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2988146294 (Selected from Interactive Map)	4 records, between 10/05/2007 and 19/04/2016	Recorder Name Withheld	6 Adult Male; 3 Adult Female; 22 Adult Male; 2 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH45		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2988146268 (Selected from Interactive Map)	8 records, between 10/05/2007 and 17/05/2017	Recorder Name Withheld	4 Adult Male; 2 Adult Male; 7 Adult Female; 27 Adult Male; 6 Adult Male; 2 Adult Male; 1 Adult Male; 12 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH44	Found under rocks in dry pond	D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2987646143 (Selected from Interactive Map)	6 records, between 30/04/2009 and 05/04/2017	Recorder Name Withheld	1 Adult Male; 2 Adult Male; 1 Male; 3 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH46		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2988646174 (Selected from Interactive Map)	5 records, between 14/04/2008 and 17/04/2018	Recorder Name Withheld	1 Adult Male; 10 Adult Male; 2 Adult Male; 1 Adult Female; 3 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH47		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2987646118 (Selected from Interactive Map)	3 records, between 15/05/2012 and 19/05/2015	Recorder Name Withheld	13 Adult Male; 1 Adult Male; 2 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH49 (former site)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2990646152 (Selected from Interactive Map)	11 records, between 13/04/2010 and 15/05/2018	Recorder Name Withheld	7 Adult Male; 3 Adult Male; 1 Adult Male; 2 Adult Male; 7 Adult Female; 15 Adult Male; 2 Adult Male; 3 Adult Male; 3 Adult Female; 5 Adult Male; 1 Male	Torch Count	Stryt Las - Gutter Hill: SLH52		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2988746087 (Selected from Interactive Map)	13 records, between 17/04/2007 and 30/04/2019	Recorder Name Withheld	1 Adult Male; 2 Adult Male; 9 Adult Male; 10 Adult Female; 8 Adult Male; 11 Adult Female; 5 Adult Male; 6 Adult Male; 1 Adult Female; 7 Male; 37 Adult Male; 21 Adult Male; 4 Adult Male; 9 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH43		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2990246127 (Selected from Interactive Map)	6 records, between 27/04/2010 and 15/05/2018	Recorder Name Withheld	1 Adult Male; 14 Adult Male; 3 Male; 3 Adult Male; 1 Adult Female; 4 Adult Male; 2 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH50		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2989446075 (Selected from Interactive Map)	8 records, between 13/04/2006 and 17/04/2018	Recorder Name Withheld	4 Adult Male; 5 Adult Male; 1 Adult Male; 2 Adult Male; 1 Male; 9 Adult Male; 15 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH41/42		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ29894607 (Estimated (Centroid of Site))	02/05/2001	Recorder Name Withheld	+		SSSI: Stryt Las a'r Hafod; Satellite Pools	Torch survey of 3 ponds	D0026/034/01	Bern, WCA5, LBAP[CON, DEN, FLI]	4

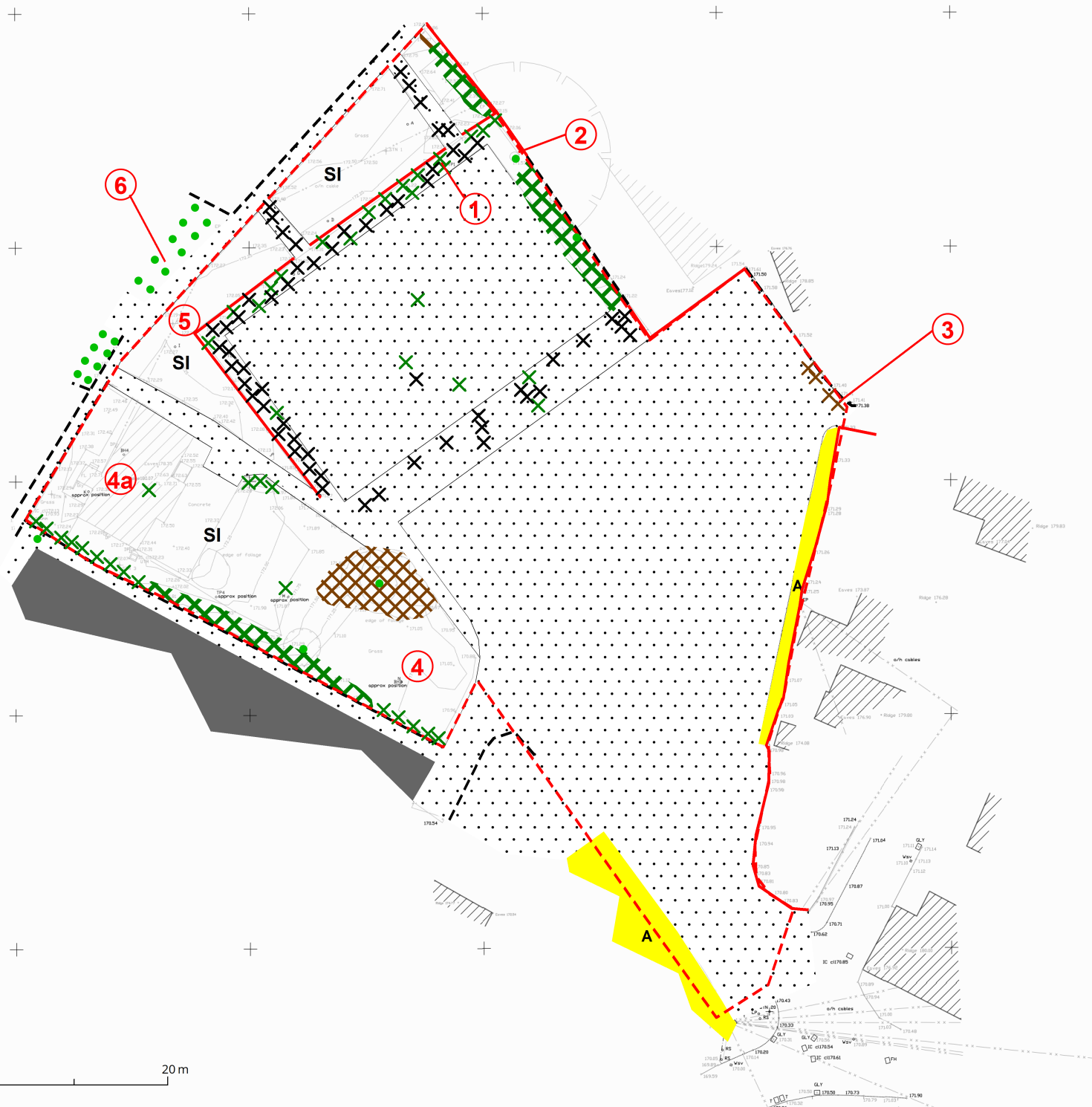
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2989246055 (Selected from Interactive Map)	6 records, between 02/05/2001 and 06/05/2014	Recorder Name Withheld	1 Adult Male; 3 Adult Female; Adult Male; Adult Female; 2 Adult Male; 1 Adult Male; 38 Adult Male; 1 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH41 (former site)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ298459 (Selected from Interactive Map)	03/05/2016	Recorder Name Withheld	1 Adult Female	Torch Count	Stryt Las Park: General		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2992446137 (Selected from Interactive Map)	9 records, between 13/04/2010 and 17/04/2018	Recorder Name Withheld	1 Adult Male; 6 Adult Male; 8 Adult Male; 3 Adult Male; 1 Adult Female; 34 Adult Male; 3 Adult Male; 2 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH51		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ2991546061 (Selected from Interactive Map)	2 records, between 17/04/2007 and 10/05/2007	Recorder Name Withheld	1 Adult Female; 4 Adult Male; 1 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH42 (former site)		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ299460	10/06/1997	Recorder Name Withheld			Stryd Las		D0229/002/01	Bern, WCA5, LBAP[CON, DEN, FLI]	4
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ299459 (Estimated (From Recorder's Map))	2 records, between 02/05/2001 and 21/04/2005	Recorder Name Withheld	42 Male; 14 Female; +		SSSI: Stryt Las a'r Hafod; Pond SLH40	Torch survey; Torch survey of 1 pond	D1320/003/01 , D0026/034/01	Bern, WCA5, LBAP[CON, DEN, FLI]	4
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ298464	2 records, both in 1984	Recorder Name Withheld			Ruabon		D1076/001/02	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2988146294 (Selected from Interactive Map)	07/05/2015	Recorder Name Withheld	2 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH45		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2988146268 (Selected from Interactive Map)	05/05/2013	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH44		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2987646143 (Selected from Interactive Map)	2 records, between 19/04/2016 and 30/04/2019	Recorder Name Withheld	5 Age & Sex Unknown; 1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH46		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2988646174 (Selected from Interactive Map)	27/04/2010	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH47		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2983246002 (Selected from Interactive Map)	4 records, between 17/05/2017 and 21/05/2019	Recorder Name Withheld	1 Juvenile (Sex Unknown); 2 Adult (Sex Unknown); 1 Adult (Sex Unknown)	Torch Count	Stryt Las Park: SLH54b		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2990646152 (Selected from Interactive Map)	15/05/2018	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH52		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2988746087 (Selected from Interactive Map)	5 records, between 30/04/2009 and 24/09/2018	Recorder Name Withheld	1 Adult (Sex Unknown); Many Juvenile; 1 Adult (Sex Unknown); Larva/Tadpole; 2 Adult (Sex Unknown)	Torch Count; Live Sighting	Stryt Las - Gutter Hill: SLH43	Ground jumping with froglets	D1320/014/01 , D1531/003/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2990246127 (Selected from Interactive Map)	4 records, between 27/04/2010 and 17/04/2018	Recorder Name Withheld	2 Adult (Sex Unknown); 1 Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH50		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2989446075 (Selected from Interactive Map)	4 records, between 05/04/2017 and 15/05/2018	Recorder Name Withheld	1 Adult (Sex Unknown); Present Larva/Tadpole; 1 Adult (Sex Unknown); Present Larva/Tadpole	Torch Count	Stryt Las - Gutter Hill: SLH41/42		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2981845900 (Selected from Interactive Map)	3 records, between 25/05/2011 and 16/04/2013	Recorder Name Withheld	1 Adult (Sex Unknown); 2 Adult (Sex Unknown)	Torch Count	Stryt Las Park: SLH53 (ditch)		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ2992446137 (Selected from Interactive Map)	5 records, between 19/05/2015 and 21/05/2019	Recorder Name Withheld	1 Adult (Sex Unknown); 2 Adult (Sex Unknown); 1 Age & Sex Unknown	Torch Count	Stryt Las - Gutter Hill: SLH51		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ299460 (Approximate)	4 records, between 07/12/2016 and 13/03/2020	Recorder Name Withheld	1 Adult; 6 Adult; 2 Juvenile		Stryt Las	Terrestrial, in currently dry typha by pond	D1531/001/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	4
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ299459 (Estimated Centroid of Site))	2 records, between 02/05/2001 and 21/04/2005	Recorder Name Withheld	+; Larvae		SSSI: Stryt Las a'r Hafod; Main Pool	Torch survey of 1 pond; Torch survey	D0026/034/01 , D1320/003/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ29804640 (Approximate)	Before 2003	Recorder Name Withheld	Present				D0137/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ298464	2 records, both in 1984	Recorder Name Withheld			Ruabon		D1076/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2987646143 (Selected from Interactive Map)	17/04/2018	Recorder Name Withheld	1 Juvenile (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH46		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ298460 (Selected from Interactive Map)	5 records, between 06/04/1999 and 01/01/2000	Recorder Name Withheld	143 Male; 78 Adult Female; 186 Adult Male; 138 Adult Female; 87 Adult Male; 43 Adult Female; 512 Adult Male; 328 Adult Female; 372 Adult (Sex Unknown)	Torch Count	Stryt Las: General	Details of survey etc are not known	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2989246121	Before 23/03/2007	Recorder Name Withheld			Stryt Las a'r Hafod SSSI - Stryt Las SSSI		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2988846104 (GPS Reading)	19/08/2003	Recorder Name Withheld	0 Adult Male, 0 Adult Female, 0 Juvenile, 0 Egg, P Tadpole/Larvae/Eft, 0		Pond SLH42 - Satellite 2		D1045/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2990646152 (Selected from Interactive Map)	2 records, between 18/04/2013 and 07/05/2015	Recorder Name Withheld	1 Adult Male; 1 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH52		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2988746087 (Selected from Interactive Map)	13 records, between 02/05/2001 and 30/04/2019	Recorder Name Withheld	4 Adult Male; 2 Adult Female; 4 Adult (Sex Unknown); 2 Adult Male; Adult (Sex Unknown); 1 Adult (Sex Unknown); 2 Male; 3 Female; 3 Adult Male; 12 Adult Male; 1 Adult Male; 4 Adult Male; 2 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH43		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2990246127 (Selected from Interactive Map)	17/04/2018	Recorder Name Withheld	1 Juvenile (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH50		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2988946065	Before 23/03/2007	Recorder Name Withheld			Stryt Las a'r Hafod SSSI - Stryt Las SSSI		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ29894607 (Estimated (Centroid of Site))	02/05/2001	Recorder Name Withheld	18; 27 Male; 14 Female		SSSI: Stryt Las a'r Hafod; Satellite Pools	Torch survey of 3 ponds	D0026/034/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2989446075 (Selected from Interactive Map)	6 records, between 13/04/2006 and 21/05/2019	Recorder Name Withheld	11 Adult Male; 1 Adult (Sex Unknown); 1 Adult Male; 2 Adult Female; 3 Adult Male; 4 Adult Female; 1 Adult Female; 3 Adult Male; 1 Adult Male	Torch Count	Stryt Las - Gutter Hill: SLH41/42		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2989246055 (Selected from Interactive Map)	7 records, between 25/04/1995 and 17/04/2012	Recorder Name Withheld	49 Adult (Sex Unknown); 8 Adult (Sex Unknown); 27 Male; 14 Female; 18 Adult (Sex Unknown); 71 Adult Male; 39 Adult Female; 54 Adult Male; 38 Adult Female; 127 Adult (Sex Unknown); 1 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH41 (former site)	Composite results for SLH 41,42 and 43	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ298459	2 records, between 1992 and 01/12/2002	Recorder Name Withheld	131- 591 (Exact)		Site Name Withheld	Comments Withheld	D1317/001/02 , D0137/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2992446137 (Selected from Interactive Map)	4 records, between 27/04/2010 and 15/05/2018	Recorder Name Withheld	1 Adult Female; 1 Adult Male; 2 Adult Female	Torch Count	Stryt Las - Gutter Hill: SLH51		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2990846078	Before 23/03/2007	Recorder Name Withheld			Stryt Las a'r Hafod SSSI - Stryt Las SSSI		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2990146045 (GPS Reading)	19/08/2003	Recorder Name Withheld	0 Adult, 0 Adult Female, 0 Adult Male, 0 Juvenile, P Tadpole/Larvae/Eft, 0 Egg		Pond SLH41 - Satellite 1		D1045/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ2991546061 (Selected from Interactive Map)	2 records, between 23/04/1997 and 02/05/2001	Recorder Name Withheld	115 Adult (Sex Unknown); Adult (Sex Unknown)	Torch Count	Stryt Las - Gutter Hill: SLH42 (former site)		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ29904603 (Estimated (Centroid of Site))	3 records, between 21/04/1998 and 06/05/1998	Recorder Name Withheld	488 Male; 136 Female; 298; 55 Male; 12 Female		SSSI: Stryt Las a'r Hafod	Torch survey of 4 ponds	D0026/032/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ299460	13 records, between 1992 and 04/06/1999	Recorder Name Withheld	512 Male; 328 Female; 186 Male; 138 Female; 12 Female; 55 Male; 143 Male; 78 Female; 87 Male; 43 Female; 131; 498; 591; 6; 91; 255; 71		Stryd Las	Torch survey of 3 ponds; Torch survey of 4 ponds; Torch survey of 2 ponds; Torch survey of all ponds; Torch survey of all ponds - maximum count; Torch survey of ponds south of causeway; Torch survey 49 in northern ponds, c.25 from gully pots; Torch survey of southern pond; Torch survey	D0229/002/01 , D0026/036/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ299459 (Estimated (Centroid of Site))	3 records, between 21/04/1998 and 02/05/2001	Recorder Name Withheld	19; 99 Male; 16 Female; 298; 488 Male; 136 Female		SSSI: Stryt Las a'r Hafod; Main Pool	Torch survey of 1 pond; Torch survey of 4 ponds	D0026/034/01 , D0026/036/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4

Statutory Sites returned by search	SSSI: 1376: Stryt Las A'r Hafod (798m), SAC: UK0030173: Johnstown Newt Sites (798m)
Ancient Woodland sites (if searched)	31880: Ancient Semi Natural Woodland (551m), 36792: Restored Ancient Woodland Site (784m), 31877: Ancient Semi Natural Woodland (929m)
Phase I Habitats intersecting 1000m buffer (Habitat at central point shown in red , if found)	A.1.1.1: Semi-natural Broad-leaved Woodland (1.16% / 36,355 sq.m), A.1.1.2: Planted Broad-leaved Woodland (1.4% / 44,103 sq.m), A.2.1: Dense Scrub (1.49% / 46,718 sq.m), B.2.2: Semi-improved Neutral Grassland (4.08% / 128,100 sq.m), B.4: Improved Grassland (32.36% / 1,016,645 sq.m), C.3.1: Tall Ruderal Herb (0.5% / 15,595 sq.m), G.1: Standing Water (0.08% / 2,536 sq.m), I.2.2: Spoil (0.05% / 1,633 sq.m), I.2.4: Refuse Tip (0.16% / 5,071 sq.m), J.1.1: Arable (1.6% / 50,407 sq.m), J.1.2: Amenity Grassland (8.92% / 280,316 sq.m), J.1.3: Ephemeral/Short Perennial (0.07% / 2,175 sq.m), J.3.6: Buildings (33.5% / 1,052,368 sq.m) , J.3.7: Track (0.25% / 7,922 sq.m), NA: Not Accessed Land (0.32% / 10,055 sq.m)



- Dense/ continuous scrub
- Individual broad-leaved tree
- Scattered scrub
- Tall ruderal
- Introduced shrub
- Scattered introduced shrub
- Amenity grassland
- SI Poor semi-improved grassland
- Ephemeral/ short perennial
- Building
- Hard-standing
- Fence
- Wall
- Approximate survey site boundary
- Target Note

C427 Proposed Residential Development off Bonc Wen, Rhosllanerchrugog, Wrexham - Preliminary Ecological Appraisal

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

Date: 19/05/2020

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