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1.0	**02/11/23**	**Max Ellson**	**Tom Knight**	**Tom Knight**

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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 Luke and Jerry Horton to undertake an Extended Phase 1 Habitat Survey of land adjacent to Bryn Lane, Penley, Wrexham, LL13 0LS (approximate OS Grid Ref. SJ 4269 4038). An ecological background data search was also undertaken to provide contextual information. The survey/ data search is required to support a One Planet Development (OPD) (Technical Advice Note (TAN) 6: Welsh Government 2012) planning application to Wrexham County Borough Council (WCBC). Specifically, it seeks to fulfil the requirements of *paragraph 3.4* of TAN 6 which states the following:

'*It should provide an audit of…..Biodiversity: Broad habitats present especially habitats identified in the Local Biodiversity Action Plan*[1] *and records of important flora and fauna (species) and their abundance on site and in the immediate vicinity, again especially those noted in the Local Biodiversity Action Plan….*'

1.1.2 As such this report has two key aims:

- to provide an ecological baseline of the survey site; and
- to provide an initial appraisal of the ecological value of the site and local ecological resource.

1.1.3 In addition, this report briefly considers potential biodiversity enhancement measures with regards the OPD process (*Section 5*).

1.1.4 It should be noted that this report does not include any assessment of any (potential) development and as such it does not consider potential further survey requirements, impacts or mitigation/ compensation measures. However, a brief summary of key legislation relevant to both ecology/ nature conservation, and species (potentially) associated with the site, is provided as *Appendix 1.*

1.2 Report Author

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

- Chartered Environmentalist (Society for the Environment).
- Full Member of the Chartered Institute of Ecology and Environmental Management (CIEEM).
- MSc Vegetation Survey and Assessment.
- BSc (Hons) Environmental Biology.

[1] The UK Biodiversity Action Plan was succeeded in 2012 by the 'UK Post-2010 Biodiversity Framework'. JNCC (https://jncc.gov.uk/our-work/uk-bap/) notes however that '*The UK BAP lists of priority species and habitats remain, however, important and valuable reference sources*'. For example they were used to draw up the statutory lists of priority species and habitats in Wales as required under *Section 7* of the *Environment (Wales) Act 2016.* The Wrexham Local Biodiversity Action Plan (LBAP) is equally no longer a live process, however the priority species and habitats that were established have been referred to in this report as appropriate.

2 METHODOLOGY

2.1 Desk Study

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

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

2.2 Field Survey

Extended Phase 1 Habitat Survey

2.2.1 The Extended Phase 1 Habitat Survey was carried out on 29th June 2023 by Max Ellson of Marches Ecology. The Extended Phase 1 Habitat plan is provided as *Figure 1*. The survey focussed on land within the site boundary (henceforth referred to as the 'survey site', refer to *Figure 1*). Immediately adjacent habitat was considered where deemed appropriate and viewed from the survey site boundary where possible. The weather during the survey was dry and warm, with variable cloud cover.

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 (2022). Late June is within the accepted survey period for Extended Phase 1 Habitat Surveys, however early flowering woodland ground flora plants in particular may no longer be visible. 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 (*Meles meles*). Areas within the survey site that might be used by Badger for foraging and sett building were assessed. Incidental foraging signs, tree scratching, paths, latrines and setts were recorded if found (Harris *et al.*, 1989).
- Dormouse (*Muscardinus avellanarius*). The assessment of the habitat was based on the factors affecting the probability of Dormouse presence on a woodland site within their known range as listed in *Table 4* in Bright *et al*. (2006). Positive indicators of possible presence include for example, being part of a large woodland, a diversity of broad-leaved tree species, the presence of key woody species and a dense shrub under-storey.
- Bats. The potential value of the habitat for foraging/ commuting and roosting was assessed in accordance with *Table 4.1* provided in Collins (2016).
- Otter (*Lutra lutra*). The assessment method was adapted from that described in JNCC (2004a).
- Water Vole (*Arvicola amphibius*). The potential value of available habitat for Water Voles was assessed in accordance with guidance provided in Dean *et al*. (2016) and JNCC (2004a).
- Great Crested Newts (*Triturus cristatus*). The quality of terrestrial and aquatic habitat for Great Crested Newts was assessed. The assessment of aquatic habitat was based on the Habitat Suitability Index (Oldham, *et al*. 2000). A broader approach taking into account other amphibian species was also undertaken.
- 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 (2004b).

2.3 Survey Constraints

2.3.1 The following may be considered survey constraints:

- It was frequently difficult to discern the actual site boundary, especially along the western side, and also the eastern side near *Target Note 15.* Likewise, it was frequently difficult to accurately determine the location of habitat boundaries; as such the mapping provided on *Figure 1* should be considered indicative only.
- The woodland, scrub and hedgerow resources within the survey site frequently provide dense vegetation, which it was not possible to enter/ directly search. This may have obscured some signs of protected/ notable species.
- The ground was dry at the time of the survey which may have obscured evidence of use by protected/ notable species.
- Trees were in full leaf which limited the ability to undertake ground level assessment of trees (for example with regards considering bat roost potential).
- No access permission to land beyond the survey site boundary was provided.

3 BASELINE ECOLOGICAL CONDITIONS

3.1 Protected Sites

Statutory

3.1.1 There are no statutory protected sites within 1 km of the survey site. The closest such site is Hanmer Mere Site of Special Scientific Interest (SSSI), located approximately 2.4 km to the southeast at its closest point.

Non-statutory

3.1.2 There are two non-statutory protected sites within 1 km of the survey site: New Gorse Covert Wildlife Site (W412), and Penley Wood and Lees Wood Wildlife Site (W408). New Gorse Covert is partly located within the survey site, equating broadly with *Target Notes 12/a/b/c, 15, 16/a/b, 17* and *19/19a*. Penley Wood and Lees Wood is located approximately 400 m to the northwest at its closest point.

3.1.3 New Gorse Covert comprises an approximately 7.3 hectare area of broad-leaved plantation (and semi-natural broad-leaved woodland) within the fork of two streams. It is described in Safleol[2] (as provided by Cofnod) as follows: '*The remnant strips of woodland along the streams are diverse in structure and species. Ash, alder and pedunculate oak make up the majority of the canopy, with field maple, hazel and hawthorn beneath in the understorey. Ground flora species include remote sedge, meadowsweet, yellow pimpernel and dog's mercury. The plantation consists mainly of ash and is medium-aged. There is much thick sapling and scrub growth, leaving little room for ground flora. However the species present on the plantation edges include barren strawberry, giant fescue and primrose*.'

3.1.4 Several records of Areas of Ancient Semi-natural Woodland (ASNW) were provided by Cofnod, the nearest being associated with New Gorse Covert Wildlife Site and being located approximately 50 m to the north of the survey site at its closest point.

3.2 Habitats and Flora

Context

3.2.1 The survey site is located in a rural/ agricultural landscape approximately 0.95 km to the north-east of the village of Penley. It comprises a parcel of land either side of a woodland/ scrub corridor which includes two minor streams (that merge into one). The survey site equates to approximately 3.8 hectares.

3.2.2 To the east of the woodland/ scrub corridor two fields are characterised by improved grassland bounded by (roadside) hedgerows (with occasional mature trees) which form the boundaries of the survey site. A minor road (Bryn Lane) lies immediately to the east. Two ponds are located just within the survey site adjacent to the road. There is man-made track which leads from Bryn Lane towards the woodland/ scrub corridor, with an associated small building/ portacabin and hard-standing areas.

3.2.3 There is a third pond within the woodland. Various minor (management) works have been undertaken in the woodland, including the construction of short lengths of paths/ steps, a small number of wooden bridges over the streams, and coppicing/ clearance of scrub.

3.2.4 The eastern side of two larger fields located to the west of the woodland/ scrub corridor is included in the survey site; these largely support poor semi-improved grassland.

[2] A Local Sites System for Wales

Site Description

Introduction

3.2.5 The Extended Phase 1 Habitat map is provided as *Figure 1*. The Target Notes (numbered 1 through 22) are provided in *Section 6* and shown on *Figure 1*.

Woodland & Scrub

3.2.6 A broad-leaved semi-natural woodland/ scrub corridor bisects the survey site, for example at *Target Notes 10, 15, 17, 19, 19a* and *20*. Locally the woodland is deemed best described as scrub-woodland.



View of the western side of the woodland/ scrub corridor. Photo taken from approximately *Target Note 12c* looking south-east.



View of the eastern side of the woodland/ scrub corridor. Photo taken from approximately *Target Note 5* looking south.

3.2.7 Canopy trees recorded within the woodland resources at *Target Notes 10, 15* and *17* include *Quercus robur* (Pedunculate Oak), *Fraxinus excelsior* (Ash), *Crataegus monogyna* (Hawthorn), *Salix* spp. (Willow), *Acer campestre* (Field Maple), and less amounts of *Alnus glutinosa* (Alder). Locally where mature Hawthorn, *Corylus avellana* (Hazel), *Sambucus nigra* (Elder) and *Prunus spinosa* (Blackthorn) predominate as the 'canopy', it could be better described as scrub-woodland (*e.g. Target Noted 15* and *17*).

3.2.8 The shrub layer associated with the woodland resources at *Target Notes 10, 15* and *17* is of variable structure, being both locally dense/ impenetrable or largely quite open in character. It can include Willow, Hawthorn, Hazel, Elder, *Rosa canina* agg. (Dog-rose), *Rosa* spp. (Rose), *Rosa arvensis* (Field-rose), and Blackthorn, with lower growing *Rubus fruticosus* agg. (Bramble). Tree saplings can be locally abundant.

3.2.9 The base layer associated with the woodland resources at *Target Notes 10, 15* and *17* is highly variable likely depending on the amount of shade/ ground conditions. Heavy shaded areas are often dominated by a carpet of *Hedera helix* agg. (Ivy). A wide variety of herbs/ forbs/ scramblers, grasses and ferns were recorded, including *Lonicera periclymenum* (Honeysuckle), *Geum urbanum* (Wood Avens), *Hyacinthoides non-scripta* (Bluebell), *Urtica dioica* (Common Nettle), *Galium aparine* (Cleavers), *Geranium robertianum* (Herb-Robert), *Bromopsis ramosa* (Hairy-brome), *Festuca gigantea* (Giant Fescue), *Mercurialis perennis* Dog's-Mercury), *Glechoma hederacea* (Ground-ivy), *Veronica chamaedrys* (Germander Speedwell), *Stachys sylvatica* (Hedge Woundwort), *Anemone nemorosa* (Wood Anemone), *Sanicula europaea* (Sanicle), *Carex sylvatica* (Wood-sedge), *Primula vulgaris* (Primrose), *Oxalis acetosella* (Wood-sorrel), *Polystichum setiferum* (Soft Shield-fern), *Rumex sanguineus* (Wood Dock), *Alliaria petiolata* (Garlic Mustard), and *Circaea lutetiana* (Enchanter's-nightshade). More open/ 'disturbed' areas support *Deschampsia cespitosa* (Wavy Hair-grass), *Filipendula ulmaria* (Meadowsweet), *Silene dioica* (Red Campion), Common Nettle, *Heracleum sphondylium* (Hogweed), along with other 'woodland-edge' species. Giant Fescue, Wood-sedge, *Carex strigosa* (Thin-spiked Wood-edge) and *Milium effusum* (Wood Millet) were found to be scattered at *Target Note 15.*



Internal view of the woodland (and associated dry stream) at *Target Note 17.*

3.2.10 At *Target Note 19* the woodland resource has been subject to management works in the recent past, with much of the shrub layer coppiced or cut to ground level. Mature Pedunculate Oak canopy trees have been retained. The base layer appears to be more disturbed than elsewhere. On the eastern side (*Target Note 19a*) the woodland resource is located on narrow (steep) slopes adjacent to the streams and comprises frequent mature Hazel stools with mature Hawthorn/ Willow and occasional mature Pedunculate Oak and Alder – it could perhaps be locally better described as scrub-woodland.



The managed woodland at *Target Note 19*.

3.2.11 At *Target Note 20*, although mapped as woodland, the resource located on a steep slope on the northern side of a stream is likely better described as scrub-woodland. There are only occasional mature Pedunculate Oak trees, otherwise it is characterised by mature Hawthorn and Hazel, and occasional Field Maple and Willow. It is locally very dense/ impenetrable. The base layer is dominated by an Ivy carpet.

3.2.12 Dense scrub is often located on the edges of the woodland, frequently dominated by Blackthorn, or for example at *Target Notes 17* and *20a* where the eastern interface between scrub-woodland and the field margin supports areas dominated by Bramble or Rose species. There is also a narrow zone of (locally disturbed) mature Blackthorn scrub with tall-herb vegetation on the edges at *Target Note 6.* A narrow scrub margin is also located to the eastern side of a pond at *Target Note 1*. Scattered scrub is occasional, largely associated with ponds at *Target Notes 1* and *3,* or a narrow zone of tall-herbs at *Target Note 5.*

Hedgerows & Individual Trees

3.2.13 Hedgerows are located at *Target Notes 2, 4* and *8.* None appear to have been managed (cut) in the recent past; the hedgerow at *Target Note 4* in particular could be better described as a line of mature scrub*.* Woody species recorded include Blackthorn (frequently dominant) with associates at various levels of abundances including Hazel, Dog-rose, Field-rose, Hawthorn, *Ilex aquifolium* (Holly), Pedunculate Oak, Elder, Field Maple and *Malus sylvestris* (Crab Apple); Bramble is often present throughout. The scramblers Honeysuckle and *Tamus communis* (Black Bryony) were also recorded. The hedge bases were not directly visible.



Unmanaged hedgerow at *Target Note 8*.

3.2.14 Individual mature Pedunculate Oak trees are located at *Target Notes 2a, 4a,* and *8a* (associated with hedgerows) and *Target Notes 1a, 3, 6a* and *6b* (associated with scrub). Where deemed necessary trees are described further below with regards bats.

Grassland

3.2.15 Grassland within the survey site comprises either agriculturally improved fields (*Lolium* leys) to the east of the woodland/ stream corridor, or poor semi-improved grassland fields to the west.



Improved grassland field to east of *Target Note 6.*



Poor semi-improved grassland at *Target Note 12*/ *12a.*

3.2.16 *Target Note 12* describes the eastern side of a poor semi-improved grassland field which extends outside of the survey site. It has not been cut or grazed in the recent past. The sward is dominated by grasses such as *Agrostis capillaris* (Common Bent), *Phleum pratense* (Timothy), *Holcus lanatus* (Yorkshire-fog) and *Lolium perenne* (Perennial Rye-grass). Associated forbs/ (tall-)herbs are occasional (at most), such as *Ranunculus repens* (Creeping Buttercup), *Ranunculus acris* (Meadow Buttercup) and *Rumex obtusifolius* (Broad-leaved Dock).

3.2.17 On the eastern edge of this field, at (for example) *Target Notes 12a* and *12c,* it slopes towards the western side of the adjacent woodland/ scrub. Here the grassland variously supports a greater range of grasses/ (rushes), forbs/ (tall-)herbs, for example *Anthoxanthum odoratum* (Sweet Vernal-grass), *Cirsium palustre* (Marsh Thistle), *Rumex acetosa* (Common Sorrel), *Potentilla reptans* (Creeping Cinquefoil), *Cynosurus cristatus* (Crested Dog's-tail), *Juncus effusus* (Soft-rush), *Centaurea nigra* (Common Knapweed), *Trifolium repens* (White Clover), *Prunella vulgaris* (Selfheal), *Lathyrus pratensis* (Meadow Vetchling), *Stellaria graminea* (Lesser Stitchwort), Meadowsweet, Hogweed*, Betonica officinalis* (Betony) and *Plantago lanceolata* (Ribwort Plantain). Locally this could be categorised as semi-improved neutral grassland, however it is not sufficiently ubiquitous across the slope (in terms of species richness/ composition) to map as such on *Figure 1.* There is a similar resource on the eastern edge of the field to the immediate south (to the west of the woodland at *Target Note 19*).

3.2.18 At *Target Note 7* a small corner of a field supports apparently unmanaged poor semi-improved grassland dominated by Yorkshire-fog with associates including *Dactylis glomerata* (Yorkshire-fog), Hogweed, *Vicia cracca* (Tufted Vetch), and incipient, low-growing Bramble.

Ponds & Watercourses

3.2.19 There are 3 no. ponds within the survey site at *Target Notes 1, 3* and *10.* All were either largely or fully dry during the survey visit. The pond bases are variously characterised by leaf litter/ woody debris or with *Glyceria fluitans* (Floating Sweet-grass)/ *Lemna minor* (Common Duckweed). Other marginal plants recorded were limited to *Veronica beccabunga* (Brooklime) and *Solanum dulcamara* (Bittersweet).



Ponds. Top: *Target Note 1.* Middle: *Target Note 3.* Bottom: *Target Note 10.*

3.2.20 (Two) minor stream(s) pass through the woodland corridor, for example at *Target Notes 16, 16a* and *16b*. At *Target Note 22* one of the streams enters the survey site via a culvert. This comprises a pipe approximately 0.75 m in diameter set within a concrete headwall underneath rock gabions.

3.2.21 The stream channels range from approximately 1 to 1.5 m wide with banks to approximately 0.5 m high, frequently with steep wooded slopes either side. All lengths of the streams accessed during the survey was largely dry, or with an occasional 'trickle' (this flowing in a north-westerly direction) or isolated pool. No associated emergent/ marginal vegetation was

recorded. It is understood that the streams carry water over winter months, but have been largely dry for the last two summers.



Example of stream near *Target Note 18.*

Other Habitats

3.2.22 Other habitat in the survey site includes the following:

- Various stands of tall-herbs, for example at *Target Notes 1, 5, 12b* and *20a.* The resource at *Target Note 12b* comprises a small area of Meadowsweet dominated tall-herb vegetation on the edge of adjacent woodland.
- Various piles of stored materials, wood chippings, brash, spoil/ manure/ grass cuttings, for example at *Target Notes 1b* and *4b.*
- A timber-framed, one-storey structure at *Target Note 9*, with an adjacent portacabin.
- A path to the stream with disturbed vegetation (presumed at least partly sown) either side at *Target Note 18.*
- Fences.
- Hard-standing or bare ground.

Flora

3.2.23 Two notable plants were recorded during the survey: Thin-spiked Wood-sedge was found to be scattered within woodland at *Target Note 15*, and Bluebell was recorded in the woodland at *Target Note 17* (but is likely elsewhere).

3.2.24 One plant listed in *Schedule 9* of the *Wildlife and Countryside Act 1981* was recorded during the survey: a small stand of *Crocosmia* x *crocosmiiflora* (Montbretia) is located on the eastern edge of a pond at *Target Note 1a.*

3.2.25 The following plant records provided by Cofnod are from within the survey site or immediately adjacent habitat:

- *Orchis mascula* (Early-purple Orchid). An historic 1968 record from 'Halghton' ('*Small colony in S edge of New Gorse Covert E of the ponds*'), SJ 425 405. This could be within the survey site.
- *Potentilla anglica* x *reptans – P.* x *mixta* (Hybrid Cinquefoil) and Wood Millet. 2015 records from 'Dingles Farm', SJ 425 404. This could be within the survey site.
- *Primula veris* (Cowslip). A 2015 record from 'Dingles Farm', SJ 427 404. This could be within the survey site.
- Bluebell, Hairy-brome, *Polystichum aculeatum* (Hard Shield-fern) and *Iris foetidissima* (Stinking Iris). 2015 records from 'Dingles Farm', SJ 427 402. These appear to be from a location to the immediate south of the survey site.
- *Primula veris* x *vulgaris = P.* x *polyantha* (False Oxlip). A 2015 record from 'Dingles Farm' ('*1 plant by FP in field on E side of New Gorse Covert*', SJ 42600 40501. This appears to be from a location to the immediate north of the survey site.
- *Schoenoplectus lacustris* (Common Club-rush) and *Cicuta virosa* (Cowbane). 2015 records from 'Dingles Farm' ('*.. pond c100 m S of New Gorse Covert*', SJ 42517 40338. These appear to be from a field pond to the west of the survey site.
- *Neottia ovata* (Common Twayblade). An historic 1971 record from 'Halghton' ('*Along the ride on the We side of New Gorse Covert*'), SJ 424 405. This appears to be from a location to the immediate north of the survey site.

Of these plants only Common Twayblade is listed in Williams (2021), this being 'Locally Near Scarce'[3]. Cowbane is listed in in WCBC (2015) as being an LBAP species.

3.2.26 Many records are provided for the 1 km grid square SJ4240 (the same in which the survey site is located) including: *Lathyrus linifolius* (Bitter-vetch), *Ranunculus sceleratus* (Celery-leaved Buttercup), *Persicaria bistorta* (Common Bistort), *Cruciata laevipes* (Crosswort), *Ranunculus auricomus* (Goldilocks Buttercup), *Jacobaea erucifolia* (Hoary Ragwort), *Lemna minuta* (Least Duckweed), *Barbarea vulgaris* (Winter-cress) and Wood Millet (all from 'Dingles Farm', dated between 1969 and 2015). Some of these could be from the survey site or immediately adjacent habitat.

3.2.27 Records of five species of plant listed in *Schedule 9* of the *Wildlife and Countryside Act 1981* have been provided by Cofnod for the 1 km search area: *Elodea canadensis* (*Canadian Pondweed), Cotoneaster simonsii* (Himalayan Cotoneaster), *Rhododendron ponticum* (Rhododendron), *Crocosmia* x *crocosmiiflora* (Montbretia) and *Reynoutria japonica* (Japanese Knotweed). Two records of Montbretia are from the 1 km grid square in which the survey site is located (SJ4240): a 2015 record from 'Dingles Farm' which could be from the survey site or immediately adjacent habitat, and a 2012 record from 'Halghton' ('*Naturalised by shaded roadside pond SE of New Gorse Covert*'), SJ 428 404 which is considered to be the record at *Target Note 1a*. The other *Schedule 9* plant records are outside of the 1 km grid square in which the survey site is located.

[3] present in 11 – 30 1km square sites in the Vice County.

3.3 Species/ Species Groups

Badgers

[redacted]

Dormouse

3.3.5 Cofnod did not provide any records for Dormouse from the 1 km search area. The nearest records on the NBN Gateway[4] are from approximately 5 km to the northeast. Dormouse is described as 'probably extinct' in Wrexham (*Appendix 6* of WCBC, 2015).

3.3.6 Dormice normally occur in highly diverse deciduous woodland, species-rich hedges and scrub but are also present in atypical habitat such as gardens and conifer plantations. The woodland, dense scrub and hedgerows resources within the survey site are of moderate-high potential quality. This resource is connected to the wider countryside, including plantation woodland to the north.

Bats

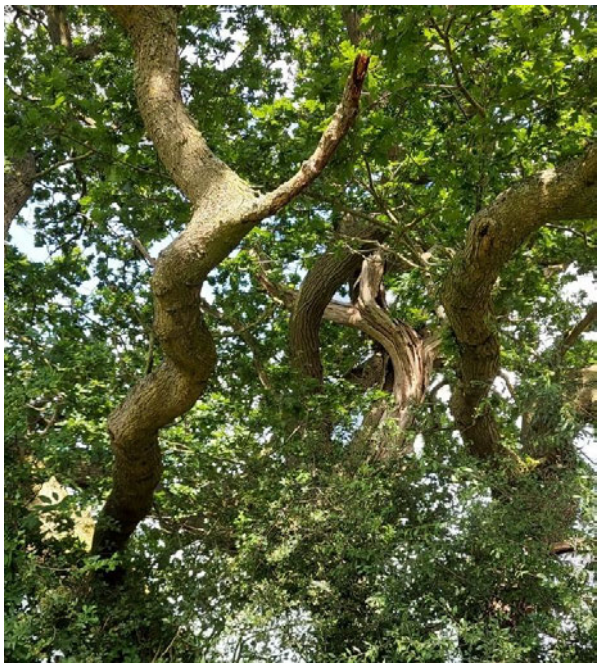
3.3.7 Cofnod provided records of 5 species of bat for within the 1 km search area: 'Bat', Common Pipistrelle (*Pipistrellus pipistrellus*), 'Myotis Bat species', Noctule Bat (*Nyctalus noctula*) and Soprano Pipistrelle (*Pipistrellus pygmaeus*). A 2012 Common Pipistrelle record is from the same 1 km grid square in which the survey site is located ('*Single distant late pass*') from a location approximately 100 m to the south of the survey site. The closest roost records are from a location approximately 540 m to the northeast; there is also a small cluster of records (including roosts) to the west/ southwest (over approximately 650 m away). Further details will not be provided here as they are contained within the Confidential Cofnod report.

[4] https://species.nbnatlas.org/species/NHMSYS0000080214

3.3.8 No built structures with (more than negligible) potential value to roosting bats are located within the survey site. The timber-framed, one-storey structure at *Target Note 9* comprises a single skin with a corrugated metal/ plastic roof.

3.3.9 Individual trees were not assessed in detail for their potential to support roosting bats, however individual mature trees at *Target Notes 1a, 2a, 3, 4a, 6b* and *8a* are considered to provide at least low bat roost potential. The mature Pedunculate Oaks at *Target Note 4a* and *6a* may provide (at least) moderate bat roost potential. Trees within the woodland resources were not inspected individual, however trees with at least low bat roost potential are likely to be frequent. Several large/ mature trees are present within the resource at *Target Notes 17* and *19* which are likely to provide at least moderate bat roost potential, possibly high.





LHS. Example of a Pedunculate Oak with at least moderate, possibly high, bat roost potential, in woodland at *Target Note 19.* RHS. A large section of deadwood on a large branch with associated cracks/ splits (*Target Note 4a*).

3.3.10 The range and composition of the habitats that characterise the survey site (including woodland/ stream corridor, dense scrub, ponds, and hedgerows) are linked to the wider countryside and provide potential foraging/ communing resources of high value (as per Collins 2023).

Otter and Water Vole

3.3.11 Cofnod provided over twenty Otter (largely spraint) records from SJ4340/1, dated 2011/ 12. These records are from an adjacent grid square, assumed to be from Cumber's Brook. Further details will not be provided here as they are contained within the Confidential Cofnod report. The stream which passes through the survey site is a tributary of Cumber's Brook, which it joins approximately 2.3 km to the north. Otter is described as 'widespread' in Wrexham (*Appendix 6* of WCBC, 2015).

3.3.12 No Water Vole records were provided by Cofnod. Water Vole is described as 'rare' in Wrexham (*Appendix 6* of WCBC, 2015).

3.3.13 No evidence of Otter or Water Vole was recorded during the Extended Phase 1 Habitat Survey.

3.3.14 The streams which pass through the woodland within the survey site (for example at *Target Notes 16, 16a* and *16b*) are minor watercourses which were largely dry, or with an occasional 'trickle' or isolated pool during the survey visit. They are understood to largely hold water during the winter only in recent years.

3.3.15 Otters are considered unlikely to utilise these minor watercourses for anything other than potentially commuting along to access remote parts of their range. Although the likelihood of this (or of Otter using them for any other purpose such as foraging or resting up) is deemed to be low at most, it cannot be completely ruled out (without further survey), especially as Otter are known from Cumber's Brook.

3.3.16 The watercourses are heavily shaded, dry for much of the year, and with no associated emergent/ marginal vegetation recorded. The 3 no. ponds equally frequently dry out and are relatively isolated in the landscape. Taking into account the above, the potential presence of Water Vole can be discounted; this species will not be considered further in this report.

Amphibians and Reptiles

3.3.17 Cofnod provided multiple amphibian records for the 1 km search area including for Great Crested Newts (38 records), *Lissotriton vulgaris* (Smooth Newt), '*Lissotriton',* Common Frog (*Rana temporaria*) and Common Toad (*Bufo bufo*). No reptile records were provided.

3.3.18 The detail of all the Great Crested Newt records provided by Cofnod are contained within the Confidential report only, and as such will not be detailed further here. Twelve of these are for the same 1 km grid square (SJ 4240) in which the survey site is located; these include both pond survey records, as well as pitfall trap records (dated between 2002 and 2016). It can be assumed that pond(s) within/ immediately adjacent to the survey site have past Great Crested Newt records (eggs and or adults). Further away from the survey site Great Crested Newt records are located to the east and southwest in particular.

3.3.19 There are three ponds within the survey site at *Target Notes 1, 3* and *10*; refer below.

3.3.20 Terrestrial habitats of high potential value for Great Crested Newts (and other amphibians) (for example for foraging, refugia and hibernation) are present throughout the survey site and are provided for example by woodland, dense scrub, tall-herbs, the bases of hedgerows, and field edges/ corners which are less managed. The potential value of the grassland areas is likely to be depend on (past and future) management regimes. The various piles of stored materials, wood chippings, brash, spoil/ manure/ grass cuttings, for example at *Target Notes 1b* and *4b*, could provide refugia/ opportunities.

3.3.21 Other amphibian species will also benefit from the range of habitats available, as may reptiles. Grass Snake (*Natrix helvetica*) could in particular be present in this landscape where there are frequent ponds (and therefore amphibian prey). It is possible that individual Grass Snakes could include the survey site within their home range(s).

3.3.22 The potential presence of Great Crested Newts in terrestrial habitat is governed more by the proximity of a suitable breeding pond than by the quality of the terrestrial habitat. An initial review of the OS map 1:25, 000 scale and relevant internet-based mapping including aerial photography[5] indicates that there may be eleven waterbodies within approximately 250 m of the survey site (including the three located within the survey site); as follows:

[5] https://www.google.com/maps/@52.9580162,-2.8552599,1332m/data=!3m1!1e3

- *Target Note 10* (A). Pond within survey site at SJ 4262 4047. Refer to photo/ description provided above.
- *Target Note 3* (B). Pond within survey site at SJ 4270 4051. Refer to photo/ description provided above.
- *Target Note 1* (C). Pond within survey site at SJ 4276 4041. Refer to photo/ description provided above.

Ponds A-C inclusive were largely dry in June 2023. This would suggest that they may not hold water for sufficient periods of time every year to facilitate successful breeding by Great Crested Newts.

- A small field pond at SJ 4270 4071, located approximately 200 m to the north of the survey site.
- A large field pond at SJ 4286 4045, located approximately 90 m to the west.
- A small field pond at SJ 4291 4031, located approximately 100 m to the west.
- A large field pond, possibly online with a stream, at SJ 4290 4014, located approximately 160 m to the southeast. This is not visible on aerial photographs, being shaded by trees.
- A large field pond at SJ 4251 4031, located approximately 65 m to the west.
- A cluster of three woodland edge ponds at SJ 4242 4046, located approximately 50 m to the west at their closest.

3.3.23 A detailed pond scoping exercise has not been undertaken and as such the potential presence of other waterbodies (for example garden ponds) cannot be confirmed.

Birds

3.3.24 Cofnod provided a large number of bird records from within 1 km of the survey site, largely with four-figure grid references. There are no records from the survey site or immediately adjacent land, or SJ4240 (the same 1 km grid square in which the survey site is located). The closest records to the survey site are for House Martin (*Delichon urbicum*) and Swallow (*Hirundo rustica*) from a location approximately 540 m to the northeast of the survey site. Records provided for the wider 1 km search area include many which may utilise habitats within the survey site, including Barn Owl (*Tyto alba*).

3.3.25 Potential nesting bird habitat is abundant across the survey site, with potentially suitable habitat features that could be used by nesting birds being provided for by example by woodland, dense and scattered scrub, trees, hedgerows, tall-herbs and pond-edges. The built structure at *Target Note 9* could also be of limited use. Habitat for ground-nesting birds is largely absent (with the exception of game species). Unmanaged field edges and possibly the grassland resource at *Target Note 12* (dependant on management) could be utilised by hunting Barn Owl (if they breed in the locality – no potential nesting features for this species were recorded within the survey site). Barn Owl is described as 'localised' in Wrexham (*Appendix 6* of WCBC, 2015).

Other Species

3.3.26 Cofnod provided two moth/ butterfly records and records of nine 'other invertebrates' within 1 km of the survey site. There are four locations of 'other invertebrate' records within the same 1 km grid square in which the survey site is located, the closest of which is at SJ 428 404, approximately 80 m to the east of the survey site; these are for Azure Damselfly (*Coenagrion puella*), Blue-tailed Damselfly (*Ischnura elegans*), Southern Hawker (*Aeshna cyanea*), Common Darter (*Sympetrum striolatum*), Large Red Damselfly (*Pyrrhosoma nymphula*), Brown Hawker (*Aeshna grandis*), Common Blue Damselfly (*Enallagma cyathigerum*) (all dated 2002), and *Sapromyza quadricincta* (dated 2020). There is also a

Lesser Silver Water Beetle (*Hydrochara caraboides*) record (dated 2002) for a location approximately 470 m northeast of the survey site.

3.3.27 The 3 no. ponds within the survey site could support a range of Damselflies/ Dragonflies (their potential value may vary between years depending on the water holding status of the ponds); they are not considered suitable for Lesser Silver Water Beetle. The woodland/ stream corridor in particular, along with individual mature trees, provides a potentially moderate to high value invertebrate resource, especially for saprophytes. Butterflies and a range of other invertebrates could utilise unmanaged field edges, hedgerows and areas supporting nectar flowers.

3.3.28 A small number of lower plant records were provided for adjacent grid squares; there is not deemed to be any particular lower plant value within the survey site, although the woodland/ stream corridor may be of some value.

3.3.29 A small number of other mammal records were supplied by Cofnod; including for Hare (*Lepus europaeus*) and American Mink (*Neovison vison*). Two Hare records were provided, the closest being for a location in New Gorse Covert to the immediate north of the survey site, dated 2009. Hare could utilise the habitats within the survey site.

3.3.30 The survey site offers potential habitats for Hedgehog (*Erinaceus europaeus*), although no records were supplied by Cofnod.

4 EVALUATION AND CONCLUSIONS

4.1 Introduction

4.1.1 As outlined in *Section 1.1*, this report seeks to provide an initial appraisal of the ecological value of the site and local ecological resource only. This is provided in turn for protected sites, habitats and flora, and specific species groups in the section below. No assessment of (potential) ecological issues (including *e.g.* further survey requirements and potential constraints/ associated mitigation measures) is provided.

4.2 Evaluation

Protected Sites

4.2.1 New Gorse Covert Wildlife Site (W412) includes the woodland/ scrub resource at approximately *Target Notes 15, 17* and *19/19a* (along with the associated minor streams at *Target Notes 16/a/b).* It may also extend into the adjacent grassland resource at Target Notes *12/a/b/c*. It includes a large area of plantation woodland to the north of the survey site and another wooded stream corridor to the west. WCBC (2105) outlines that '*Wildlife Sites complement ... statutorily protected sites by maintaining corridors and preventing the isolation of areas for wildlife. Together the sites form important components for the protection of the biodiversity resource within the County Borough*' and that '*The undertaking of surveys and use of criteria has ensured that Wildlife sites include those areas of substantive nature conservation value outside of the statutory site network*.' It further notes that '... *Wildlife Sites help to maintain and sustain biodiversity in relation to National and Local Biodiversity Action Plan (LBAP) Priorities'.*

Habitat

4.2.2 The survey site includes the following habitat resources:

- A corridor of broad-leaved semi-natural woodland/ scrub at (*e.g. Target Notes 10, 15, 17, 19, 19a* and *20*);
- Dense and scattered scrub;
- Three hedgerow lengths at *Target Notes 2, 4* and *8*;
- A small number of individual mature trees (*e.g. Target Notes 1a, 2a, 3, 4a, 6a, 6b* and *8a*);
- Improved and poor semi-improved grassland (with possible small stands of semi-improved neutral grassland *e.g. Target Notes 12a* and *12c*);
- Tall-herb vegetation;
- Three ponds at *Target Notes 1, 3* and *10*;
- Two minor watercourses (within the woodland) (*e.g. Target Notes 16, 16a* and *16b*);
- An area of disturbed/ sown vegetation at *Target Note 18*; and
- Areas of hard-standing or bare ground.

4.2.3 When considered individually, some of the habitat resources, such as the improved grassland fields to the east of the woodland corridor, areas of hard-standing/ bare ground, the disturbed area at *Target Note 18* and individual small areas of scrub/ tall-herbs are considered to be of no more than site value[6]. However, many of the habitat resources are of greater value.

4.2.4 'Lowland mixed deciduous woodland' is a priority habitat listed on *Section 7* (of the *Environment (Wales) Act 2016*). This priority habitat '*takes in most semi-natural woodland in ... in parts of lowland Wales'* (Biodiversity Reporting & Information Group, 2011). The draft Wrexham Wildlife Sites selection criteria (WCBC 2015) indicates a minimum size of 0.5/ 1 ha for mixed deciduous woodland and scrub to be considered. Qualification for this definition is based on being present on the Ancient Woodland Register and/ or '*With 5+ ancient woodland indicator species (AWIS) .... and/or uncommon plant species*'. The woodland/ scrub resource at *Target Notes 10, 15, 17, 19, 19a* and *20* is approximately 0.9 ha in size and supports more than 5 AWIS (including the Locally Scarce Thin-spiked Wood-sedge). Partly it is included within a Wildlife Site. It is deemed to be of at least local value, and possibly county value depending on range of species it may support (this could not be confirmed without further survey).

4.2.5 The survey site contains a number of individual mature trees. Large/ mature trees are not specifically recognised in *Section 7,* however overall, this resource may perhaps be considered to be of local value. Further assessment as to their age/ condition within the local context would likely be required to confirm this.

4.2.6 'Boundary and linear features/ hedgerows' is a priority habitat listed on *Section 7*. This priority habitat covers all hedgerows consisting predominantly (*i.e*. 80% or more cover) of at least one woody UK species (Biodiversity Reporting & Information Group, 2011). The hedgerows at *Target Notes 2, 4* and *8* are moderately species-rich in terms of the woody component and could potentially qualify as being 'important' in accordance with the 'ecological criteria' established in the *Hedgerow Regulations 1997*. It should be noted that it is not possible to confirm whether any hedgerow could be considered important (using ecological criteria only) under the *Hedgerow Regulations 1997* without further survey.

4.2.7 The draft Wrexham Wildlife Sites selection criteria (WCBC 2015) indicates a minimum length of 50 m for 'Ancient and/ or species-rich hedgerows' to be considered. Qualification for this definition is based on the species richness of the woody component and the presence of 'ancient woodland indicator' species. Further survey would be required to determine whether these criteria are met. Similarly, these features could qualify based on the species they support but further survey would be required to confirm this. In the absence of such survey data, it is considered that the hedges at *Target Notes 2, 4* and *8* are of local value.

4.2.8 'Neutral grassland/ lowland meadows' is a priority habitat listed on *Section 7*. '*Species-rich semi-improved* [grassland] with a diverse range of floral species, and/or faunal interest' and over 0.15 ha in size is referenced in WCBC (2015). It is not considered that the resources at *Target Notes 12a/c* are sufficiently large in size or diverse to qualify.

4.2.9 'Standing open waters and canals/ ponds' are listed on *Section 7* as priority habitats. The ponds at *Target Notes 1, 3* and *10* were largely dry during the survey and appear to support a limited vegetation community. It has been assumed that one or more of these ponds have

[6] CIEEM (2017) recommends the use of geographical context as a frame of reference for identifying the importance (value) 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.

past Great Crested Newt records (eggs and or adults) but that 'exceptional populations' (WCBC, 2015) won't be present. Other (potentially notable) species that ponds may support cannot be confirmed without further survey. These ponds are considered likely to be of local value at most.

4.2.10 'Rivers' is a priority habitat listed on *Section 7*. '*This habitat type includes a very wide range of types, encompassing all natural and near-natural running waters in the UK (i.e. with features and processes that resemble those in 'natural' systems)*' (Biodiversity Reporting & Information Group, 2011). (Biodiversity Reporting & Information Group, 2011) also provides a list of qualifying criteria, as does WCBC (2025), which requires a minimum 100 m and includes '*Examples of stretches of smaller watercourses (i.e. streams, canals, brooks etc) which are comparatively unmodified, which support good aquatic emergent or bankside plant communities, and the water is not grossly polluted by long-term sources*', and '*All rivers, streams, ditches and canals with species interest e.g. water vole'*. The small watercourses within the woodland are minor features, and although are perceived to be unmodified they are fully shaded with no aquatic/ emergent vegetation and no known faunal interest. Based on the information known they are unlikely to qualify.

Flora

4.2.11 Two notable plants were recorded from the survey site:

- Thin-spiked Wood-sedge was found to be scattered within woodland at *Target Note 15* This is described as scarce[7] in Williams (2014). This is listed as 'Locally Scarce'[8] in Williams (2021), but of 'Least Concern' in Dines (2008). It could be present elsewhere in the survey site in damp hollows adjacent to the stream.
- Bluebell in the woodland at *Target Note 17* (but is likely elsewhere). The native Bluebell is protected under the *Wildlife & Countryside Act 1981* (as amended) against uprooting and sale only.

Neither species is listed on *Section 7* or the Wrexham LBAP.

4.2.12 Montbretia) (listed in *Schedule 9* to the *Wildlife and Countryside Act 1981* (as amended)) is located on the eastern edge of a pond at *Target Note 1a.*

4.2.13 No links to *Section 7* or BAP priority lower plant species (for example) can be made with the current level of information.

Fauna

[redacted]

[7] found in 4-15 Wells sites in Denbighshire (Vice County 50).
[8] present in 4 – 10 1km square sites in the Vice County.

Dormouse

4.2.16 The woodland, dense scrub and hedgerows resources within the survey site are of moderate-high potential quality. Dormouse is listed as a priority species on *Section 7*.

Bats

4.2.17 Trees with bat roost potential located within the survey site are as follows:

- At least moderate bat roost potential, possibly high: several large/ mature trees within the resource at *Target Notes 17* and *19.*
- At least moderate bat roost potential: mature Pedunculate Oaks at *Target Note 4a* and *6a.*
- At least low bat roost potential: individual trees at *Target Notes 1a, 2a, 3, 4a, 6b* and *8a* and trees within the woodland resources (likely to be frequent).

4.2.18 The range and composition of the habitats that characterise the survey site provide potential high quality foraging/ communing resources.

4.2.19 Several species of bat are included on *Section 7* and as (local) priority species on the Wrexham LBAP.

Otter

4.2.20 Otters are considered unlikely to utilise the minor watercourses within the survey site for anything other than potentially commuting along to access remote parts of their range, with the likelihood of this being low at most.

4.2.21 Otter is included on *Section 7* and the Wrexham LBAP.

Amphibians and Reptiles

4.2.22 It has been assumed that one or more of the 3 ponds within the survey site (at *Target Notes 1, 3* and *10*) have past Great Crested Newt records (eggs and or adults) but that 'exceptional populations' (WCBC, 2015) won't be present. Furthermore, that the ponds may not hold water for sufficient periods of time every year to facilitate successful breeding by Great Crested Newts (on an annual basis). However, there are multiple Great Crested Newt records for the 1 km grid square in which the survey site is located and it is deemed that it can be assumed that animals could be present throughout (especially in terrestrial habitats of high potential value).

4.2.23 Common Toad, Common Frog and Smooth Newt are also known to be present in the locality. Great Crested Newt and Common Toad are included on *Section 7*; and along with Smooth Newt and Common Frog are listed as local priority species on the Wrexham LBAP.

4.2.24 It has been concluded that individual Grass Snakes could include the survey site within their home range(s). This species is included on *Section 7* and the Wrexham LBAP.

Birds

4.2.25 The bird resource of the survey site is unknown, although woodland, dense and scattered scrub, trees, hedgerows, tall-herbs and pond-edges provide potential nesting habitat. Should Barn Owl breed nearby this species could hunt in survey site. Although *Section 7* includes several birds, no links to *Section 7* or BAP priority species can be made with this level of information (although Barn Owl is included as a local priority species on the Wrexham LBAP).

Other Species

4.2.26 Hare and Hedgehog, which could utilise the habitats on site, are both listed on *Section 7*. No links to *Section 7* or BAP priority invertebrate species can be made with the current level of information.

4.3 Summary Conclusions

4.3.1 This report concludes the following:

- Habitats of (at least) local value within the survey site include the woodland/ scrub resource, individual mature trees, hedgerows and ponds. The central woodland comprises part of a Wildlife Site, and may be of county value depending on the range of species it may support (this could not be confirmed without further survey).
- The Locally Scarce Thin-spiked Wood-sedge was found to be scattered within woodland at *Target Note 15.*
- Faunal species included on *Section 7* or as (local) priority species within the Wrexham LBAP which are potentially present include Dormouse, bats, amphibians (including Great Crested Newt), Grass Snake, a range of birds (including Barn Owl), Hare, Hedgehog, and invertebrates.

5 POTENTIAL BIODIVERSITY ENHANCEMENT MEASURES

5.1 Introduction

5.1.1 This section briefly considers potential biodiversity enhancement measures with regards the OPD process. Outline information is provided with regards options:

1) to extend or create key habitats,
2) to '[maximise] *the biodiversity benefits that can be gained from the wildlife-friendly design of other functional needs on the site*, and
3) for appropriate habitat management.

It should be noted that the following does not comprise a detailed habitat creation and/ or management plan (or similar detailed document).

5.1.2 *Appendix 1* provides a summary of protected species legislation for Badger, Dormouse, bats, Otter, Great Crested Newts and reptiles. Prior to the implementation of certain habitat enhancement/ creation and or management works as detailed in *Section 5.2* below, it may be necessary for further detailed consideration to be given to protected species by an ecologist. As examples (not exhaustive): 1) with regards works in proximity to Badger setts, 2) potential impacts on Dormouse, bats, Otter, Great Crested Newts and nesting birds from woodland/ scrub/ hedgerows management works, 3) pond restoration/ creation with regards to Great Crested Newts, *etc.* It may be appropriate that once a scheme is established for the site that it should be subject to a detailed protected species assessment or similar. It is also possible that further detailed survey may be required to inform any such assessment, and also that some actions may require licencing from Natural Resources Wales. Any such requirements should be considered on a case-by-case basis.

5.2 Biodiversity Enhancement Options

5.2.1 The following list should not be considered exhaustive, and is not provided in any perceived order of 'importance'. It has been developed in consultation with Luke Horton. Further advice should be sought from an ecologist as deemed appropriate.

1) Appropriate management of woodland corridor. To be limited in scope. To include fencing out livestock (for example *Target Note 15*), potential small-scale rotational/ long-term coppicing of mature Hazel, encouraging regeneration of standard trees, and further/ detailed consideration of ground flora prior to undertaking any physical works (such as footpath creation).
2) Woodland expansion/ coppice establishment. Woodland expansion to the east of the woodland corridor; could include creating scrub ecotones/ edges. Advice to be sought from an ecologist. Coppice establishment potentially adjacent to Bryn Lane boundary (refer to 10); for provision of material, including for green woodworking.
3) Establishment of a native fruit Orchard. To use varieties local to north Wales. In appropriate improved grassland areas to the east of the woodland corridor. Either as a dedicated orchard, or for example, as fruit trees intermingled within proposed silvopasture proposal or native hedgerows as per 4).
4) Native hedgerow establishment. Species-rich hedge(s) to be established to the east of the woodland corridor, for example along the existing access track, or to create smaller field units. Appropriate ecological advice should be sought on a species-mix to be

utilised. Could include fruit trees (as a 'foraging hedge'). Trees/ shrubs should be of minimum British, ideally local, provenance and should be planted at the correct time of year.

5) Appropriate management of hedgerows. All retained/ created hedgerow should be managed appropriately for wildlife in the long-term.

6) Restoration of ponds at *Target Notes 1* and *3*, and/ or creation of new ponds/ waterbodies. It is understood that a water storage pond(s) may be required to supply water for polytunnels (to grow edible produce); water storage ponds can have a dual purpose and can be of value to a range of wildlife. In appropriate improved grassland areas to the east of the woodland corridor. Advice to be sought from an ecologist.

7) Hibernacula construction (in association with 6) to provide terrestrial refugia/ hibernation resources for amphibians.

8) Wildflower meadow creation. In appropriate improved grassland areas to the east of the woodland corridor. To provide general habitat enhancement and provision of resources for pollinators (including proposed Honeybee (*Apis mellifera*) hives). Advice to be sought from an ecologist.

9) Provision of un-/ in-frequently managed field margins. Potentially in combination with 2) and 8). Adjacent to hedgerows or woodland /scrub to the east of the woodland corridor. Widths to be maximized. Of particular potential benefit to hunting Barn Owl.

10) Retention and appropriate management of grassland at *Target Notes 12a/12c*. For example, utilising limited rotational livestock grazing. Should wood coppice be established on this (west) side of the woodland corridor this should be undertaken in pockets/ higher up the slope.

11) Provision of bird- and bat-boxes. Tree mounted. Barn Owl box to be considered. Advice to be sought from an ecologist on box type, locations/ installation and long-term maintenance/ monitoring.

6 TARGET NOTES

Target Note 1. A pond surrounded by a narrow margin of scrub/ trees and tall-herbs. It was largely dry during the survey visit, with only very small areas of very shallow standing water. Otherwise, the base of the pond is characterised by leaf litter/ woody debris, with *Glyceria fluitans* (Floating Sweet-grass) and *Solanum dulcamara* (Bittersweet) very locally at the edges. There are frequent *Quercus robur* (Pedunculate Oak) seedlings, especially at the edges/ at the southern end.
The western margin of the pond is characterised by scattered mature *Salix* spp. (Willow) shrubs and tall-herb vegetation; this resource appears to have been locally disturbed in the recent past, with wood chip piles evident. The tall-herb vegetation includes for example *Epilobium hirsutum* (Great Willowherb), *Urtica dioica* (Common Nettle), Bittersweet, *Rumex obtusifolius* (Broad-leaved Dock), the scrambler *Galium aparine* (Cleavers), various coarse-leaved grasses, incipient/ low-growing *Rubus fruticosus* agg. (Bramble) and scattered Willow saplings. To the east, a scrub/ tree margin [partly outside the survey site] between the pond and the adjacent roadside was not assessed in detail however this resource includes 4 no. mature Pedunculate Oak trees.
The trees were not assessed in detail for bats, however the largest has an approximate Diameter at Breast Height (DBH) of 0.8 m with light *Hedera helix* agg. (Ivy) into the canopy. Although no particular Potential Roosting Features (PRFs) were observed, these trees are likely to provide at least low bat roost potential.
A small stand of *Crocosmia* x *crocosmiiflora* (Montbretia) is located on the eastern edge of the pond at *Target Note 1a.*
At *Target note 1b* various piles of stored materials (wood/ metal), wood chippings, brash and spoil are located on the edge of a field on the western/ northern sides of the pond.

Target Note 2. A roadside hedgerow. It does not appear to have been managed (cut) in the recent past and is approximately 2-3 m high and wide. It is locally gappy, especially under the canopy of a mature tree at *Target Note 2a*. There is a low (to approximately 1 m high) grass vegetated earth bank located immediately adjacent to the western side of the hedge. The woody component of the hedge is dominated by *Prunus spinosa* (Blackthorn) with occasional/ locally frequent *Corylus avellana* (Hazel) and *Rosa canina* agg (Dog-rose), occasional *Crataegus monogyna* (Hawthorn), and lesser amounts of Pedunculate Oak, *Sambucus nigra* (Elder) and *Acer campestre* (Field Maple); Bramble is present throughout. The scramblers *Lonicera periclymenum* (Honeysuckle) and *Tamus communis* (Black Bryony) are scattered along the length. The base was not directly visible (from the survey site side).
At *Target Note 2a* there is a mature Pedunculate Oak tree in the hedge. This was not assessed in detail for bats, however it has an approximate DBH of 0.8 m. A PRF on the main trunk comprising a wound at an old branch node appears to be superficial. No other particular PRFs were observed; this tree is likely to provide at least low bat roost potential.

Target Note 3. A small, fenced, field corner pond. It is entirely shaded by a narrow margin of adjacent Willow scrub/ 2 no. mature Pedunculate Oak trees. The pond was largely dry during the survey visit, with only a very small area of shallow standing water. The base of the pond is largely fully vegetated with Floating Sweet-grass, with occasional Bittersweet and *Veronica beccabunga* (Brooklime).
The Oak trees were not assessed in detail for bats, although no particular PRFs were observed. However, these trees are likely to provide at least low bat roost potential.

Target Note 4. A mature/ grown out/ unmanaged hedgerow/ scrub line to 4-5 m wide and 3 m wide. The woody component is dominated by Blackthorn, with occasional/ locally frequent Hawthorn, and Dog-rose, and lesser amounts of *Ilex aquifolium* (Holly), *Rosa arvensis* (Field-rose), Elder, *Malus sylvestris* (Crab Apple) and Field Maple. Honeysuckle is scattered along the length. The base was not directly visible (from the survey site side).
There is a narrow (1-2 m) wide uncut field margin adjacent to the hedge – this comprises various coarse-leaved grasses, tall-herbs such as *Anthriscus sylvestris* (Cow Parsley), Common Nettle, *Heracleum sphondylium* (Hogweed), and Cleavers.
At *Target Note 4a* [outside the survey site] there is a mature Pedunculate Oak on the edge of the adjacent field. This was not assessed in detail for bats, however several possible PRFs were visible including small rot holes, a large section of deadwood on a large branch with associated cracks/ splits, and frequent smaller areas of deadwood in the canopy. This tree is likely to provide at least moderate bat roost potential.

At *Target Note 4b* there are various spoil/ manure/ grass cutting piles, a large tree stump, and wood store pallets/ stored equipment at the edge of the field/ on an area of bare ground.

Target Note 5. A narrow zone of tall-herbs with occasional (semi-)mature shrubs (Elder, Hawthorn, Dog-rose) and low-growing Bramble. The tall-herb component includes for example Common Nettle, Hogweed, *Cirsium arvense* (Creeping Thistle), Cow Parsley, and various coarse-leaved grasses. [redacted].

Target Note 6. A narrow zone of (locally disturbed) mature Blackthorn scrub with tall-herb vegetation on the edges.
There are 3 no. associated mature Pedunculate Oak trees. The tree at *Target Note 6a* has an approximate DBH of 0.8 m. It was not assessed in detail for bats, however several possible PRFs were visible including small rot holes in main branches and occasional deadwood in the canopy. This tree may provide moderate bat roost potential. One of the 2 no. trees at *Target Note 6b* has an approximate DBH of 0.8 m. Although these were not assessed in detail for bats, and no particular PRFs were observed (apart from minor deadwood in the canopies), they are likely to provide at least low bat roost potential.

Target Note 7. A small corner of apparently unmanaged poor semi-improved grassland dominated by *Holcus lanatus* (Yorkshire-fog) with associates including *Dactylis glomerata* (Yorkshire-fog), Hogweed, *Vicia cracca* (Tufted Vetch), and incipient, low-growing Bramble.
The wider field (along with the other fields to the east of the woodland at *Target Notes 15, 17, 19* and *20*) support species-poor improved grassland – *Lolium perenne* (Perennial Rye-grass) leys.

Target Note 8. A roadside hedge. It does not appear to have been managed (cut) in the recent past and is of variable dimensions – approximately 2-3 m high and wide, occasionally to 1.5 m high and 2 m wide. The woody component of the hedge is dominated by Blackthorn, with locally frequent Field Maple*,* occasional/ locally frequent Hazel, occasional Dog-rose, Hawthorn and Field Rose, and lesser amounts of Pedunculate Oak; Bramble is present throughout. Honeysuckle and Black Bryony are scattered along the length. The base was not directly visible (from the survey site side).
At *Target Note 8a* there is a mature Pedunculate Oak in the hedge with an approximate DBH of 1 m. It supports locally dense Ivy into the canopy. This tree was not assessed in detail for bats, although no particular PRFs were observed. However, it is likely to provide at least low bat roost potential.

Target Note 9. A timber-framed/ single skin, one-storey structure, part enclosed/ part open. The roof comprises corrugated metal/ plastic. This structure provides negligible bat roost potential.
There is an adjacent portacabin, with nearby areas used for the storage of materials/ equipment.

Target Note 10. A pond within a hollow on the edge of woodland – it is fully shaded and was dry during the survey visit. It is partly vegetated with Floating Sweet-grass and partly characterised by leaf litter/ woody debris (with associated *Lemna minor* (Common Duckweed)). Bittersweet is scattered at the edges, with *Carex remota* (Remote Sedge) frequent on the immediate banks.
Here the woodland comprises Pedunculate Oak and *Fraxinus excelsior* (Ash) as canopy trees, these frequently supporting Ivy into the canopies. The shrub layer (which is locally dense/ impenetrable) is characterised by tree saplings, and shrubs of Willow, Hawthorn, Elder, Rose, Blackthorn, with lower growing Bramble. Evidence of Ash dieback was noted. The base layer is dominated by a carpet of Ivy, with typical associates scattered throughout including Honeysuckle, *Geum urbanum* (Wood Avens), Common Nettle, Cleavers, *Geranium robertianum* (Herb-Robert), *Bromopsis ramosa* (Hairy-brome) and *Festuca gigantea* (Giant Fescue).
The canopy trees were not assessed in detail for bats, although no particular PRFs were observed. However, they are likely to provide at least low bat roost potential.

[redacted] The western hole is situated in a bank/ at the base of a mature Hazel shrub. The spoil pile is bare/ largely compacted although there is evidence of (limited) recent excavation; a single guard-hair was located. The hole is open/ largely free of debris. There is a well-used path/ breach north into an adjacent field and also a well-used path connecting to the eastern hole. The eastern hole (approximately 4 m away) is largely obscured at the base of a deep ‘trench’

and was not directly accessed. There is another well-used path/ breach under the fence, as well as a well-used path extending south/ eastwards through the woodland; 1 no. recently used dung-pit was located along this path (*Target Note 11a*).

Target Note 12. The eastern side of a poor semi-improved grassland field [which extends [outside of the survey site]. It has not been cut or grazed in the recent past. The sward is dominated by grasses such as *Agrostis capillaris* (Common Bent), *Phleum pratense* (Timothy), Yorkshire-fog and Perennial Rye-grass. Associated forbs/ (tall-)herbs are occasional (at most), such as *Ranunculus repens* (Creeping Buttercup), *Ranunculus acris* (Meadow Buttercup) and Broad-leaved Dock.
Target Note 12a indicates the eastern edge of the field where it slopes towards the western side of the woodland at *Target Note 17.* Here the grassland supports a greater range of grasses/ (rushes), forbs/ (tall-)herbs than the poor-semi-improved grassland resource as previously described, for example *Anthoxanthum odoratum* (Sweet Vernal-grass), *Cirsium palustre* (Marsh Thistle), *Rumex acetosa* (Common Sorrel), *Potentilla reptans* (Creeping Cinquefoil), *Cynosurus cristatus* (Crested Dog's-tail), *Juncus effusus* (Soft-rush), *Centaurea nigra* (Common Knapweed), *Trifolium repens* (White Clover), *Prunella vulgaris* (Selfheal), *Lathyrus pratensis* (Meadow Vetchling), *Stellaria graminea* (Lesser Stitchwort), *Betonica officinalis* (Betony) and *Plantago lanceolata* (Ribwort Plantain).
Target Note 12b is a small area of *Filipendula ulmaria* (Meadowsweet) dominated tall-herb vegetation on the edge of adjacent woodland. This resource was not assessed in detail.
At *Target Note 12c* the eastern edge of the field slopes towards scrub/ the western side of the woodland at *Target Note 15.* As at *Target Note 12a* it is more species-rich than the resource further west. Additional species to those recorded at *Targe Notes 12* and *12a* include Meadowsweet and Hogweed.
The vegetation described at *Target Notes 12a* and *12c* is at least locally likely to be categorised as semi-improved neutral grassland, however it is not sufficiently ubiquitous across the slope (in terms of species richness/ composition) to map as such on *Figure 1.* There is a similar resource on the eastern edge of the field to the immediate south (to the west of the woodland at *Target Note 19*).

[redacted]

Target Note 15. A narrow zone of broad-leaved semi-natural woodland located either side of a stream. The boundary of the survey site is difficult to determine at this location: on the western side of the stream the woodland resource may be better described as scrub-woodland, however it is deemed more logical to consider the resource either side of the stream together. Canopy trees (largely located on the stream bank or on the eastern side of the stream [*i.e.* outside of the survey site]) include Pedunculate Oak, Ash and *Alnus glutinosa* (Alder). The shrub layer and or areas of scrub-woodland includes Blackthorn, Hazel, Hawthorn and Field-rose, and is locally dense. The base layer is very variable, likely depending on the amount of shade/ ground conditions – heavy shaded areas are characterised by a carpet of Ivy with *Mercurialis perennis* (Dog's-Mercury) and other shade-tolerant plants such as *Glechoma hederacea* (Ground-ivy), *Alliaria petiolata* (Garlic Mustard), Herb-Robert and *Circaea lutetiana* (Enchanter's-nightshade). More open/ 'disturbed' areas (livestock appear to have access to this area with both puddling and grazing evident) support *Deschampsia cespitosa* (Wavy Hair-grass), Meadowsweet, *Silene dioica* (Red Campion), Common Nettle, Hogweed, along with other 'woodland-edge' species. Giant Fescue, *Carex sylvatica* (Wood-sedge), *Carex strigosa* (Thin-spiked Wood-edge) and *Milium effusum* (Wood Millet) were found to be scattered throughout.
The canopy trees were not assessed in detail for bats, however at least 2 no. Pedunculate Oak with DBH's of greater than 1 m were seen [outside the survey site].

[redacted]

Target Note 16. A woodland stream. At this approximate location the channel is approximately 1.5 m wide with banks to approximately 0.5 m high. The stream was largely dry during the survey visit, or with an occasional 'trickle' (this flowing in a north-westerly direction) or isolated pool. No associated emergent/ marginal vegetation was recorded. The stream channel is extensively puddled downstream [largely outside the survey site].

At *Target Note 16a*, the base of the stream comprises a gravelly/ stony substrate. The woodland slopes (occasionally steeply) either side.
At *Target Note 16b* the stream channel is approximately 1 m wide; it is entirely dry with the channel being characterised by leaf litter and small woody debris. No associated emergent/ marginal vegetation was recorded.

Target Note 17. A narrow zone of broad-leaved semi-natural woodland on sloping ground located either side of a stream. Canopy trees include Pedunculate Oak, Ash, Hawthorn, Willow and Field Maple. It is largely quite open in character with scattered shrubs only, including Field-rose, Hazel, Elder, Hawthorn, Blackthorn and Dog-rose. Locally where mature Hawthorn, Hazel, Elder and Blackthorn predominate as the 'canopy', it could be better described as scrub-woodland (as at *Target Note 15*), especially for example along the eastern side. The base layer is similar to (albeit more species-rich than) the more heavily shaded parts of the resource at *Target Note 15* with a locally dominant carpet of Ivy, and a wide range of associates including Enchanter's-nightshade, Herb-Robert, Dog's-Mercury, *Hyacinthoides non-scripta* (Bluebell), Hogweed, *Veronica chamaedrys* (Germander Speedwell), Hairy-brome, Red Campion, Common Nettle (locally dense especially where the canopy is open), Remote Sedge (on the stream banks), *Stachys sylvatica* (Hedge Woundwort), *Polystichum setiferum* (Soft Shield-fern), *Rumex sanguineus* (Wood Dock), Garlic Mustard, *Anemone nemorosa* (Wood Anemone), *Sanicula europaea* (Sanicle), Wood-sedge, *Primula vulgaris* (Primrose) and *Oxalis acetosella* (Wood-sorrel).
The canopy trees were not assessed in detail for bats, but several large/ mature trees are present which are likely to provide at least moderate bat roost potential, possibly high.
The eastern side of the woodland supports a narrow field margin of tall-herbs similar to that described elsewhere.

[redacted]

Target Note 18. Mapped as 'other habitat' on *Figure 1*, this sloping area comprises a path to the stream with disturbed vegetation (presumed at least partly sown) either side. It is understood that scrub has been cleared from here in the recent past. It wasn't assessed in detail and cannot easily be categorised, including for example various grasses, regenerating shrubs, Roses, Common Nettle, Herb-Robert, Tufted Vetch, *Agrimony eupatoria* (Agrimony), *Linaria purpurea* (Purple Toadflax), *Leucanthemum vulgare* (Oxeye Daisy), *Cirsium vulgare* (Spear Thistle), Marsh Thistle and Great Willowherb.

Target Note 19. Here broad-leaved semi-natural woodland is located on a raised flat, area between two streams. This resource has been subject to management works in the recent past with much of the shrub layer coppiced or cut to ground level. Mature Pedunculate Oak canopy trees have been retained. The base layer was not assessed in detail – although it appears to be more disturbed than elsewhere.
The woodland resource to the east and west of this raised area is located on narrow (steep) slopes adjacent to the streams; it has largely not been subject to the same scale of management. On the eastern side (*Target Note 19a*) it comprises frequent mature Hazel stools with mature Hawthorn/ Willow and occasional mature Pedunculate Oak and Alder – it could perhaps be locally better described as scrub-woodland. The base layer is similar to that at *Target Note 17.*
The canopy trees were not assessed in detail for bats, but several large/ mature trees are present which are likely to provide at least moderate bat roost potential, possibly high.

Target Note 20. Mapped as broad-leaved semi-natural woodland, a steep slope on the northern side of a stream is likely better described as scrub-woodland [land on the southern side of the stream which also supports similar vegetation is outside the survey site]. There are only occasional mature Pedunculate Oak trees, otherwise it is characterised by mature Hawthorn and Hazel, and occasional Field Maple and Willow. It is locally very dense/ impenetrable. The base layer is dominated by an Ivy carpet, with elements of the base layer recorded at *Target Note 17* throughout but not in the same abundances. Bramble is frequent/ locally abundant. *Alium ursinum* (Wild Garlic) was recorded at one location.
The eastern side supports a narrow field margin of tall-herbs similar to that described elsewhere; at *Target Note 20a* a more obvious stand which supports abundant Great Willowherb has been mapped

on *Figure 1.* The interface between scrub-woodland and the field margin can support areas dominated by Bramble or Rose species; this is also the same for example along the eastern margin of *Target Note 17*.

[redacted]

[redacted].

Target Note 22. At this approximate location a stream enters the survey site via a culvert. This comprises a pipe approximately 0.75 m in diameter set within a concrete headwall underneath rock gabions.

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8 DATA

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

Plant Species	*Glyceria fluitans* (Floating Sweet-grass)
Acer campestre (Field Maple)	*Hedera helix* agg. (Ivy)
Alnus glutinosa (Alder)	*Heracleum sphondylium* (Hogweed)
Betula pendula (Silver Birch)	*Holcus lanatus* (Yorkshire-fog)
Corylus avellana (Hazel)	*Hyacinthoides non-scripta* (Bluebell)
Crataegus monogyna (Hawthorn)	*Hypochaeris radicata* (Cat's-ear)
Fraxinus excelsior (Ash)	*Juncus effusus* (Soft-rush)
Ilex aquifolium (Holly)	*Jacobaea vulgaris* (Common Ragwort)
Malus sylvestris (Crab Apple)	*Juncus inflexus* (Hard Rush)
Prunus avium (Wild Cherry)	*Lapsana communis* (Nipplewort)
Prunus spinosa (Blackthorn)	*Lathyrus linifolius* (Bitter-vetch)
Rosa arvensis (Field-rose)	*Lathyrus pratensis* (Meadow Vetchling)
Rosa canina agg. (Dog-rose)	*Lemna minor* (Common Duckweed)
Quercus robur (Pedunculate Oak)	*Leucanthemum vulgare* (Oxeye Daisy)
Salix caprea (Goat Willow)	*Linaria purpurea* (Purple Toadflax)
Salix cinerea (Grey Willow)	*Lolium perenne* (Perennial Rye-grass)
Sambucus nigra (Elder)	*Lonicera periclymenum* (Honeysuckle)
	Lotus corniculatus (Common Bird's-foot-trefoil)
Agrimonia eupatoria (Agrimony)	*Lysimachia arvensis* (Scarlet Pimpernel)
Agrostis capillaris (Common Bent)	*Mercurialis perennis* (Dog's-Mercury)
Agrostis stolonifera (Creeping Bent)	*Milium effusum* (Wood Millet)
Alliaria petiolata (Garlic Mustard)	*Oxalis acetosella* (Wood-sorrel)
Allium ursinum (Wild Garlic)	*Persicaria maculosa* (Redshank)
Alopecurus pratensis (Meadow Foxtail)	*Phleum pratense* (Timothy)
Anemone nemorosa (Wood Anemone)	*Poa annua* (Annual Meadow-grass)
Angelica sylvestris (Wild Angelica)	*Poa trivialis* (Rough Meadow-grass)
Anthoxanthum odoratum (Sweet Vernal-grass)	*Polygonum aviculare* (Common Knotgrass)
Anthriscus sylvestris (Cow Parsley)	*Polystichum setiferum* (Soft Shield-fern)
Arctium minus (Lesser Burdock)	*Potentilla reptans* (Creeping Cinquefoil)
Arrhenatherum elatius (False Oat-grass)	*Plantago lanceolata* (Ribwort Plantain)
Arum maculatum (Lords-and-Ladies)	*Plantago major* (Greater Plantain)
Asplenium scolopendrium (Hart's-tongue)	*Primula vulgaris* (Primrose)
Bellis perennis (Daisy)	*Prunella vulgaris* (Selfheal)
Betonica officinalis (Betony)	*Pteridium aquilinum* (Bracken)
Bromopsis ramosa (Hairy-brome)	*Ranunculus acris* (Meadow Buttercup)
Carex strigosa (Thin-spiked Wood-sedge)	*Ranunculus repens* (Creeping Buttercup)

Carex sylvatica (Wood-sedge)	*Ranunculus sceleratus* (Celery-leaved Buttercup)
Carex pendula (Pendulous Sedge)	*Rubus fruticosus* agg. (Bramble)
Carex remota (Remote Sedge)	*Rumex acetosa* (Common Sorrel)
Capsella bursa-pastoris (Shepherd's-purse)	*Rumex crispus* (Curled Dock)
Calystegia sepium (Hedge Bindweed)	*Rumex obtusifolius* (Broad-leaved Dock)
Cerastium fontanum (Common Mouse-ear)	*Rumex sanguineus* (Wood Dock)
Centaurea nigra (Common Knapweed)	*Sanicula europaea* (Sanicle)
Centaurium erythraea (Common Centaury)	*Scrophularia nodosa* (Common Figwort)
Circaea lutetiana (Enchanter's-nightshade)	*Senecio vulgaris* (Groundsel)
Cirsium arvense (Creeping Thistle)	*Silene dioica* (Red Campion)
Cirsium palustre (Marsh Thistle)	*Solanum dulcamara* (Bittersweet)
Cirsium vulgare (Spear Thistle)	*Sonchus asper* (Prickly Sow-thistle)
Crocosmia x *crocosmiiflora* (Montbretia)	*Sonchus oleraceus* (Smooth Sow-thistle)
Cynosurus cristatus (Crested Dog's-tail)	*Stachys sylvatica* (Hedge Woundwort)
Dactylis glomerata (Cock's-foot)	*Stellaria graminea* (Lesser Stitchwort)
Deschampsia cespitosa (Tufted Hair-grass)	*Tamus communis* (Black Bryony)
Dryopteris filix-mas (Male-fern)	*Taraxacum* sect. *Ruderalia* (Common Dandelion)
Elymus repens (Common Couch)	*Trifolium dubium* (Lesser Trefoil)
Epilobium hirsutum (Great Willowherb)	*Trifolium pratense* (Red Clover)
Epilobium montanum (Broad-leaved Willowherb)	*Trifolium repens* (White Clover)
Festuca gigantea (Giant Fescue)	*Tripleurospermum inodorum* (Scentless Mayweed)
Festuca rubra (Red Fescue)	*Urtica dioica* (Common Nettle)
Filipendula ulmaria (Meadowsweet)	*Veronica beccabunga* (Brooklime)
Galium aparine (Cleavers)	*Veronica chamaedrys* (Germander Speedwell)
Geranium robertianum (Herb-Robert)	*Vicia cracca* (Tufted Vetch)
Geum urbanum (Wood Avens)	*Viola* sp. (a Violet)
Glechoma hederacea (Ground-ivy)	

9 APPENDIX 1 – LEGISLATION

9.1 Ecology/ Nature Conservation

9.1.1 This sub-section provides a brief summary of key legislation relevant to ecology/ nature conservation and the site. 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 *Section 8.2*.

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

9.1.2 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 are restricted to bats.

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

9.1.3 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, 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)**

9.1.4 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)**

9.1.5 *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

9.1.6 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)**

9.1.7 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.

9.2 Species

9.2.1 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.

9.2.2 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.

Badger

9.2.3 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.

Dormouse

9.2.4 The Dormouse is listed on *Schedule 5* of the *Wildlife and Countryside Act 1981* (as amended), and receives full protection under *Section 9*. This protection was extended by the *CRoW Act 2000*. It is also listed on *Schedule 2* of *The Conservation of Habitats and Species Regulations 2017* which gives it full protection under *Regulation 42(1)*. The Dormouse is therefore a so-called European Protected Species.

9.2.5 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.

9.2.6 The Dormouse is included on *Section 7* of the *Environment Act 2016*.

Bats

9.2.7 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). 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.

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

9.2.9 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.

Otter

9.2.10 The Otter is 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 *Countryside and Rights of Way Act 2000* (the CRoW Act) which further extends the protection. It is also listed on *Schedule 2* of *The Conservation of Habitats and Species Regulations 2017* which gives it full protection under *Regulation 42(1)*. The Otter is a so-called European Protected Species.

9.2.11 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.

9.2.12 The Otter is included on *Section 7* of the *Environment Act 2016*.

Great Crested Newt

9.2.13 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. They are also listed as European Protected Species on *Schedule 2* of *The Conservation of Habitats and Species Regulations 2017* which gives it full protection under *Regulation 42(1)*. The legislation applies to all life stages of the Great Crested Newt, including eggs, larvae, juveniles and adults.

9.2.14 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.

9.2.15 Great Crested Newts are included on *Section 7* of the *Environment Act 2016*.

Reptiles

9.2.16 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*.

9.2.17 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.

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

Birds

9.2.19 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*. 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/ being built; or
- take or destroy an egg of any wild bird.

9.2.20 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.

9.2.21 *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	CO/E11093
Your Reference	C513
Requested By	Max Ellson, Marches Ecology LLP
Data Users	Max Ellson, Partner, Marches Ecology LLP; Tom Knight, Partner, Marches Ecology ; Luke Horton, land owner/ applicant; Jerry Horton, land owner/ applicant
Search Date	20/04/2023 15:36
Expiry Date	20/10/2023 (may be extended on request)
Search Type	Chargeable

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Important Information

- Use of the data is governed by Cofnod's Terms & Conditions.
- Data marked as confidential or sensitive must not be released into the public domain, with the exception of the Public Version of the PDF report, which has had sensitive information removed or restricted.
- You should not amend any part of the downloaded records.
- Unless otherwise agreed, use of the data is valid until the Expiry Date (20/10/2023).
- Past records of presence of a habitat or species do not guarantee continued occurrence; absence of records does not imply absence of a species, merely that no records are held by Cofnod; Cofnod cannot guarantee the accuracy of supplied data; copyright of records remains with the original recorder.
- The Dataset ID associated with each record can be used to find information about the provenance of the data. See the Cofnod Metadata page for more information.
- Verification Levels are given for each record and indicate whether the record has been assessed by an expert.
- Please contact us if you have any questions about using the data or wish to add further Data Users.

Notes

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

Verification Levels

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

Species Categories

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

Abbreviations

BAP - UK Biodiversity Action Plan Priority Species, **BDir1** - EU Birds Directive Annex 1 - Birds which are the subject of special conservation measures, **BDir2.1** - EU Birds Directive Annex 2.1 - Birds which may potentially be hunted, **BDir2.2** - EU Birds Directive Annex 2.2 - Birds which may potentially be hunted within certain member states, **Bern2** - Bern Convention on the Conservation of European Wildlife and Natural Habitats, Appendix 2 - Strictly protected fauna species, **Bern3** - Bern Convention on the Conservation of European Wildlife and Natural Habitats, Appendix 3 - Protected fauna species, **Bonn2** - Bonn Convention on the Conservation of Migratory Species of Wild Animals, Appendix 2 - Migratory Species to be the subject of agreements, **CHS2** - The Conservation of Habitats and Species Regulations 2010, Schedule 2 - European Protected Species of Animals, **CITES-A** - Convention on International Trade in Endangered Species, Annex A - Species threatened with extinction, **GBNNSIP** - Great Britain Non-native Species Inventory Portal Checklist of Non-native Species, **HDir2** - Habitats Directive, Annex II - Species requiring designation of Special Areas of Conservation, **HDir4** - Habitats Directive, Annex IV - Species in need of strict protection, **HDir5** - Habitats Directive, Annex V - Species where population management is decided by individual countries, **INNS** - Invasive Non-native Species, **LBAP-A** - Anglesey Local Biodiversity Action Plan, **LBAP-C** - Conwy Local Biodiversity Action Plan, **LBAP-D** - Denbighshire Local Biodiversity Action Plan, **LBAP-F** - Flintshire Local Biodiversity Action Plan, **LBAP-G** - Gwynedd Local Biodiversity Action Plan, **LBAP-S** - Snowdonia National Park Authority Local Biodiversity Action Plan, **LBAP-T** - North and Mid Wales Trunk Road Agent Biodiversity Action Plan, **LBAP-W** - Wrexham Local Biodiversity Action Plan, **LI-48[LR]** - Locally Important Species in Vice-County 48: Merionethshire, **LI-48[LS]** - Locally Important Species in Vice-County 48: Merionethshire, **LI-49[LR]** - Locally Important Species in Vice-County 49: Caernarvonshire, **LI-49[LS]** - Locally Important Species in Vice-County 49: Caernarvonshire, **LI-50[LR]** - Locally Important Species in Vice-County 50: Denbighshire, **LI-50[LS]** - Locally Important Species in Vice-County 50: Denbighshire, **LI-51[LR]** - Locally Important Species in Vice-County 51:

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

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Data Description

Distance	Indicates the distance, in metres, between the grid reference of the record (using the central point of the grid square) and the search location. For any Sensitive Species Records, this should not be released into the Public Domain.
Species Name	Name of the taxon (usually identified to species level) using the binomial system.
Grid Reference	Grid reference based on the Ordnance Survey grid system.
Date	Date on which the record was made. In some cases this might be a date range, or a vague date such as 'Summer 2010'.
Recorder(s)	One or more people who made the original observation and recorded it in some way. It may have subsequently been included in a data collation by another person or it may have been submitted to the LERC directly.
Abundance	Number of individuals recorded. Where not specified it is assumed that at least one was present.
Record Type	A description of the type of record.
Site Name	The site name (if one has been supplied). For any Sensitive Species Records, this cannot be released into the Public Domain.
Notes	Any additional notes about the sighting. For any Sensitive Species Records, this cannot be released into the Public Domain.
Dataset ID	ID of this dataset. See 'Important Issues' for more details.
Lists	Any local, national or international conservation statuses or legal protection which apply to this species and whether it is included in any Local Biodiversity Action Plans. See 'Abbreviations' for more details.
V	An indicator showing the level of confidence held in the record's correct identification.

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Dataset Information

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

Dataset ID	Title	Acknowledgements	Type
[redacted]			
D0062/008/01	Vice-County dataset - Bird records from Flintshire and Denbighshire Vice-counties (50 and 51) - All records up to 2018	Ian M Spence (Clwyd Bird Recording Group)	Species
D0112/002/01	Historic Vice-County dataset - Mammal records from Denbighshire Vice-county (50) - 2009 records	Brian Burnett	Species
D0132/001/02	Green Shoots North Wales records	British Association for Shooting and Conservation	Species
D0969/001/05	Miscellaneous species records submitted to rECOrd	rECOrd	Species
D1075/001/06	Bryophyte data for Great Britain from the British Bryological Society held by BRC: Atlas 2014 - North Wales data	British Bryological Society (NBN download 04/12/2019)	Species
D1096/001/02	Water Beetle Surveys from Britain and Ireland	Balfour-Browne Club (NBN Download, 10/10/2019)	Species
D1117/001/01	ad hoc Cofnod Online Recording System records	Individual Recorder(s)	Species
D1118/011/03	Miscellaneous species datasets held in MapInfo format by Matthew Ellis - Great Crested Newt records	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1169/004/02	Vice-County dataset - Vascular plant records from Denbighshire Vice-county (50). - Complete dataset	Delyth Williams (BSBI Vice County Recorder)	Species
D1234/001/01	Miscellaneous species records collected by Churton Ecology on behalf of various clients - 2007 records	Anne Kathryn Thorne and Robert Graham Thorne	Species
D1234/009/01	Miscellaneous species records collected by Churton Ecology on behalf of various clients - 2018 fauna records from VC50	Churton Ecology	Species
D1285/001/03	Vice-County dataset - Moth records from Denbighshire and Flintshire Vice-counties (50 and 51)	Justin Williams	Species
D1295/001/05	Dragonfly records from the British Dragonfly Society Recording Scheme - Records from the Cofnod area	British Dragonfly Society Recording Scheme (2022). Dragonfly records from the British Dragonfly Society Recording Scheme. Occurrence dataset on the NBN Atlas	Species
D1297/025/01	BirdTrack records - 2004-2018 data from Vice-Counties 50 & 51 (Denbighshire & Flintshire)	Ian M. Spence and British Trust for Ornithology	Species
D1297/042/01	BirdTrack records - 1900-2003 records for Vice-County 50 Denbighshire	Ian M. Spence and British Trust for Ornithology	Species
D1297/047/01	BirdTrack records - 2021 records from within the Cofnod boundary (excluding Meirionnydd)	Julian Hughes & British Trust for Ornithology	Species

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D1428/069/01	Miscellaneous species records collected by Enfys Ecology on behalf of various clients - YARDLEY, T., 2014: "EE.037 The Bryn, Halghton, Hanmer, Wrexham. Bat Survey". Enfys Ecology Ltd	Enfys Ecology Ltd	Species
D1463/001/01	Miscellaneous species records gathered as part of ecological surveys on the Vyrnwy pipeline route from Penley to the Wych Valley. - Records gathered as part of pond surveys (2010 - 2011)	NLG Ecology Ltd	Species
D1463/002/01	Miscellaneous species records gathered as part of ecological surveys on the Vyrnwy pipeline route from Penley to the Wych Valley. - Records gathered during Great Crested Newt pitfall trapping	NLG Ecology	Species
D1463/003/01	Miscellaneous species records gathered as part of ecological surveys on the Vyrnwy pipeline route from Penley to the Wych Valley. - Otter records	NLG Ecology	Species
[redacted]			
D1463/005/01	Miscellaneous species records gathered as part of ecological surveys on the Vyrnwy pipeline route from Penley to the Wych Valley. - Bat records	NLG Ecology	Species
D1467/001/01	Records gathered as part of ecological surveys on the Vyrnwy pipeline route from Penley to the Wych Valley.	ADAS & United Utilities	Species
D1486/001/01	Natural Resources Wales North Wales Bat Roosts	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1558/001/01	Records from the 5th Otter Survey of Wales, 2009-2010	Individual Recorders & Natural Resources Wales	Species
D1650/020/01	Miscellaneous invertebrate species records by Bryan Formstone and others - Diptera records 2020	Bryan Formstone	Species
D1725/001/01	Miscellaneous species records collected by Etive Ecology on behalf of various clients	Etive Ecology	Species
D1844/001/03	iRecord data for the Cofnod area - Verified data	Biological Records Centre and Individual Recorders	Species
D1852/001/01	RSPB Big Garden Birdwatch winter sightings in the UK in 2008 - 2008 records	RSPB (NBN Download, 16/01/2019)	Species
D1852/002/01	RSPB Big Garden Birdwatch winter sightings in the UK in 2008 - 2009 records	RSPB (NBN Download, 16/01/2019).	Species
D1923/001/01	Natural Resources Wales (NRW) Licence Return Dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales (NBN Download, 05/12/2019)	Species
D2012/001/01	Vice-County dataset - Bird records from Flintshire and Denbighshire Vice-counties (50 and 51) - Ringing data - 2020 records	Ian M Spence (Clwyd Bird Recording Group)	Species
D2108/001/01	Big Butterfly Count records from VCs 50 & 51 - 2022 records	Butterfly Conservation	Species

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D0220/013/01	GIS Datasets for Protected Sites in Wales - Listed Buildings	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0220/014/01	GIS Datasets for Protected Sites in Wales - Scheduled Monuments	Welsh Government	Sites
D1377/001/01	Wildlife Site boundaries for Wales	Various	Sites
D1377/001/02	Wildlife Site boundaries for Wales	Relevant Welsh Local Authorities and Local Wildllife Trusts, Cofnod, BIS and SEWBReC	Sites
D1377/001/03	Wildlife Site boundaries for Wales	Relevant Welsh Local Authorities and Local Wildllife Trusts, Cofnod, BIS and SEWBReC	Sites
D1377/001/04	Wildlife Site boundaries for Wales	Various	Sites
D2028/001/01	The Registered Landscapes of Outstanding and of Special Interest in Wales	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0157/002/01	Phase 1 Habitat Survey of Wales 1979-1997 - GIS layer showing habitats as polygons and using the phase 1 codes to identify the habitat category	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Habitats
D1006/004/01	Ancient Woodland Inventory 2021 - 2021	Cyfoeth Naturiol Cymru/Natural Resources Wales	Habitats
D1006/004/02	Ancient Woodland Inventory 2021 - 2021	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Habitats

Contact Us

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Search Location	Grid Reference
Luke & Jerry Horton - Penley OPD	SJ42694038

Category 1 Species

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ42974076	2008	ADAS	Larvae		Penley	Pond number 121. Bottle-trapping. Visit 1	D1467/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ42704051	2008	ADAS	1		Penley	Pond number 125. Torch survey	D1467/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ42374010	2008	ADAS	1		Penley	Pond number 136. Torch survey	D1467/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Cerastium fontanum (Common Mouse-ear / Clust-y-Llygoden Gulddail)	SJ4240	2 records, between 01/11/2013 and 09/06/2015	Jonathan Shanklin; Denbsgroup			Dingles Farm		D1169/004/02	BAP	NA
Cerastium fontanum (Common Mouse-ear / Clust-y-Llygoden Gulddail)	SJ4140	10/08/2014	Green, Paul Richard			Little Green Farm		D1169/004/02	BAP	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Cerastium fontanum (Common Mouse-ear / Clust-y-Llygoden Gulddail)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	BAP	NA
Cerastium fontanum (Common Mouse-ear / Clust-y-Llygoden Gulddail)	SJ4239	09/06/2015	Jonathan Shanklin			Park Lane		D1169/004/02	BAP	NA
Chiroptera **(Bat / Ystlum)**	SJ4139	**25/07/1986**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**Bern2, Bonn2, CHS2, HDir4, LBAP-T, WCA5**	**NA**
Chiroptera **(Bat / Ystlum)**	SJ4140 ***(Estimated (Centroid of Site))***	**~ 2005**	**BASC Recorder (13581740-1)**			**-Withheld-**	**-Withheld-**	D0132/001/02	**Bern2, Bonn2, CHS2, HDir4, LBAP-T, WCA5**	**PC**
Chiroptera **(Bat / Ystlum)**	SJ4241 ***(Approximate)***	**4 records, all on 03/03/2013**	**Rhian Hughes; Tim Yardley**	**At least 15; 1**	**Dung/Droppings/Frass/Pellet, etc.**	**-Withheld-**	**-Withheld-**	D1428/069/01	**Bern2, Bonn2, CHS2, HDir4, LBAP-T, WCA5**	**PC**
Cuculus canorus (Cuckoo / Cog)	SJ4139 *(Approximate)*	2 records, between 24/04/2002 and 30/04/2003	Mr John Fitzgerald	1		Penley		D1297/042/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Hyacinthoides non-scripta (Bluebell / Clychau'r Gog)	SJ427402	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LBAP-A, LBAP-C, LBAP-F, LBAP-S, LBAP-T, WCA8	NA
Hyacinthoides non-scripta (Bluebell / Clychau'r Gog)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LBAP-A, LBAP-C, LBAP-F, LBAP-S, LBAP-T, WCA8	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Hydrochara caraboides (Lesser Silver Water Beetle)	SJ430408	2002	Andy Harmer, Jonathan Guest			Horseman's Green		D1096/001/02	RL-NT, S7, WCA5	NA
Lepus europaeus **(Hare / Ysgyfarnog)**	SJ44 ***(Estimated (Centroid of Site))***	**~ 2005**	**BASC Recorder (13581740-1)**			**-Withheld-**	**-Withheld-**	D0132/001/02	**BAP, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7**	**UA**
Lepus europaeus **(Hare / Ysgyfarnog)**	SJ44	**26/06/2009**	**John Lawton Roberts**	**1**		**-Withheld-**	**-Withheld-**	D0112/002/01	**BAP, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7**	**NA**
Lissotriton	SJ42704051	2008	ADAS	Egg		Penley	Pond number 125	D1467/001/01	Bern3, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ43124067	5 records, all in 2008	ADAS	14; 18; 10; 8; Egg		Penley	Pond number 122. Bottle-trapping. Visit 1; Pond number 122. Bottle-trapping. Visit 2; Pond number 122. Bottle-trapping. Visit 3; Pond number 122. Bottle-trapping. Visit 4; Pond number 122	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42954064	2008	ADAS	Egg		Penley	Pond number 123	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42704051	4 records, all in 2008	ADAS	11 Male; 5 Male; 1 Male; 1 Female		Penley	Pond number 125. Bottle-trapping. Visit 1; Pond number 125. Bottle-trapping. Visit 2; Pond number 125. Bottle-trapping. Visit 3; Pond number 125. Bottle-trapping. Visit 4	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42864045	2008	ADAS	2		Penley	Pond number 126. Bottle-trapping. Visit 2	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42624047	2008	ADAS	3 Female		Penley	Pond number 127. Torch survey	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42764041	4 records, all in 2008	ADAS	6 Male; 3 Female; 5 Male; 1 Female; 1 Male		Penley	Pond number 128. Bottle-trapping. Visit 1; Pond number 128. Bottle-trapping. Visit 2; Pond number 128. Bottle-trapping. Visit 3; Pond number 128. Bottle-trapping. Visit 4	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ43154038	2008	ADAS	1		Penley	Pond number 129. Bottle-trapping. Visit 2	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ43144029	2008	ADAS	1		Penley	Pond number 131. Bottle-trapping. Visit 3	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ43204032	2 records, both in 2008	ADAS	3; 1		Penley	Pond number 132. Bottle-trapping. Visit 3; Pond number 132. Bottle-trapping. Visit 4	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42514031	5 records, all in 2008	ADAS	6 Male; 2 Female; 9 Male; 7 Female; 2 Male; 3 Female; 1 Male; 2 Female; 1 Male; 8 Female		Penley	Pond number 133. Bottle-trapping. Visit 1; Pond number 133. Bottle-trapping. Visit 2; Pond number 133. Bottle-trapping. Visit 3; Pond number 133. Bottle-trapping. Visit 4; Pond number 133. Torch survey	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42374010	6 records, all in 2008	ADAS	13 Male; 26 Male; 5 Female; 13 Male; 2 Female; 5 Male; 2 Female; Egg; 4 Male; 7 Female		Penley	Pond number 136. Bottle-trapping. Visit 1; Pond number 136. Bottle-trapping. Visit 2; Pond number 136. Bottle-trapping. Visit 3; Pond number 136. Bottle-trapping. Visit 4; Pond number 136; Pond number 136. Torch survey	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42483986	5 records, all in 2008	ADAS	4 Male; 7 Male; 1 Female; 2 Male; 2 Male; 1 Female		Penley	Pond number 138. Bottle-trapping. Visit 1; Pond number 138. Bottle-trapping. Visit 2; Pond number 138. Bottle-trapping. Visit 3; Pond number 138. Bottle-trapping. Visit 4; Pond number 138. Torch survey	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42233981	4 records, all in 2008	ADAS	8 Male; 4 Female; 5 Male; 3 Female; 1 Male; 2 Female; 1 Male; 5 Female		Penley	Pond number 140. Bottle-trapping. Visit 1; Pond number 140. Bottle-trapping. Visit 2; Pond number 140. Bottle-trapping. Visit 3; Pond number 140. Torch survey	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42213965	5 records, all in 2008	ADAS	25 Male; 6 Female; 9 Male; 2 Female; 1 Female; 1 Male; Egg		Penley	Pond number 145. Bottle-trapping. Visit 1; Pond number 145. Bottle-trapping. Visit 2; Pond number 145. Bottle-trapping. Visit 3; Pond number 145. Bottle-trapping. Visit 4; Pond number 145	D1467/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42143962	2 records, between 2008 and 21/05/2018	ADAS; R.G. Thorne	Egg; adults male & female		Penley	Pond number 146; Torching and trapping surveys x 4, no GCN, max count of 8 SN on 21/5/18 in traps. Habitat: pool	D1467/001/01, D1234/009/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ417407 *(Estimated (Centroid of Site))*	~ 2005	BASC Recorder (13581740-1)				Shoot Size Range: 0-3km	D0132/001/02	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42223982	08/05/2018	R.G. Thorne	adults male & female		Penley	Torching and trapping surveys x 6, max count of 17 SN on 8/5/18 in traps. Habitat: pool	D1234/009/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ41953981	08/05/2018	R.G. Thorne	adults male & female		Penley	Torching and trapping surveys x 5, no water for 6th survey, max count of 5 SN on 8/5/18 in traps. Habitat: pool	D1234/009/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42053984	04/05/2018	R.G. Thorne	adults male & female		Penley	Torching and trapping surveys x 4, no GCN, max count of 11 SN on 4/5/18 in traps. Habitat: pool alongside stream	D1234/009/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ42203965	21/05/2018	R.G. Thorne	adults male & female		Penley	Torching and trapping surveys x 6, max count of 10 SN on 21/5/18 in traps. Habitat: pool	D1234/009/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lutra lutra **(Otter / Dyfrgi)**	SJ4340 ***(Selected from Interactive Map)***	**27/10/2009**	**Emma Broad**	**1 Droppings**		**-Withheld-**	**-Withheld-**	D1117/001/01	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**PC**
Lutra lutra **(Otter / Dyfrgi)**	SJ4341 ***(Supplied by Original Recorder)***	**22/12/2011**	**Anon. NLG Ecology Ltd.**	**Droppings**		**-Withheld-**	**-Withheld-**	D1463/003/01	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**PC**
Lutra lutra **(Otter / Dyfrgi)**	SJ4341 ***(Supplied by Original Recorder)***	**22/12/2011**	**Anon. NLG Ecology Ltd.**	**Droppings**		**-Withheld-**	**-Withheld-**	D1463/003/01	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**PC**
Lutra lutra **(Otter / Dyfrgi)**	SJ4341 ***(Supplied by Original Recorder)***	**22/12/2011**	**Anon. NLG Ecology Ltd.**	**Droppings**		**-Withheld-**	**-Withheld-**	D1463/003/01	**BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]**	**PC**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	+	Tracks/Trail	-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	+	Signs	-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	+	Signs	-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	22/12/2011	Anon. NLG Ecology Ltd.	+	Signs	-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4341 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.		Signs	-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4341 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.	Droppings		-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.		Tracks/Trail	-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC
Lutra lutra (Otter / Dyfrgi)	SJ4340 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.		Tracks/Trail	-Withheld-	-Withheld-	D1463/003/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lutra lutra (Otter / Dyfrgi)	SJ4340	27/10/2009	Emma Broad	1 spraint		-Withheld-	-Withheld-	D1558/001/01	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, S7, WCA5, WRL-TM[VU]	NA
[redacted]										
Myotis (Myotis Bat species)	SJ4241	May 2016	Anon - Etive Ecology Ltd	Roost; 5 bats		-Withheld-	-Withheld-	D1725/001/01	Bern2, Bonn2, CHS2, HDir4, WCA5	PC

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Numenius arquata (Curlew / Gylfinir)	SJ417407 *(Estimated (Centroid of Site))*	~ 2005	BASC Recorder (13581740-1)				Shoot Size Range: 0-3km	D0132/001/02	BAP, BDir2.2, Bonn2, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, RL-EN, S7, UKBR, WBR	PC
***Nyctalus noctula* (Noctule Bat / Ystlum Mawr)**	SJ4241	**May 2016**	**Anon - Etive Ecology Ltd**	**2 passes**		**-Withheld-**	**-Withheld-**	D1725/001/01	**BAP, Bern2, Bonn2, CHS2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7, WCA5**	**PC**
Passer domesticus (House Sparrow / Aderyn y To)	SJ4139	3 records, between 26/01/2008 and 14/05/2016	Anon; Peter Kirk	2		Wrexham Flintshire;Penley	Occurrence ID: NBN-GA000567-BGBW2008-22135690-139530853; Occurrence ID: NBN-GA000656-BGBW2009-16449977-106609247; BirdTrack	D1852/001/01, D1852/002/01, D1297/025/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ4140	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham Flintshire	Occurrence ID: NBN-GA000567-BGBW2008-22135694-139231467; Occurrence ID: NBN-GA000656-BGBW2009-16449439-106608895	D1852/001/01, D1852/002/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-106609086	D1852/002/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
***Pipistrellus pipistrellus* (Common Pipistrelle)**	SJ4239 ***(Supplied by Original Recorder)***	**18/09/2012**	**Anon. NLG Ecology Ltd.**	**1**		**-Withheld-**	**-Withheld-**	D1463/005/01	**Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7, WCA5**	**PC**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Pipistrellus pipistrellus **(Common Pipistrelle)**	SJ4240 ***(Supplied by Original Recorder)***	**25/09/2012**	**Anon. NLG Ecology Ltd.**	**1**		**-Withheld-**	**-Withheld-**	D1463/005/01	**Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7, WCA5**	**PC**
Pipistrellus pipistrellus **(Common Pipistrelle)**	SJ4140	**2 records, between 22/07/1992 and 12/11/1999**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7, WCA5**	**NA**
Pipistrellus pipistrellus **(Common Pipistrelle)**	SJ4241	**May 2016**	**Anon - Etive Ecology Ltd**	**Roost; 3 bats**		**-Withheld-**	**-Withheld-**	D1725/001/01	**Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7, WCA5**	**PC**
Pipistrellus pygmaeus **(Soprano Pipistrelle)**	SJ4241	**May 2016**	**Anon - Etive Ecology Ltd**	**Roost; 2 bats**		**-Withheld-**	**-Withheld-**	D1725/001/01	**BAP, Bern2, Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-F, LBAP-G, LBAP-S, S7, WCA5**	**PC**
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	2		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449882-106179939	D1852/002/01, D1297/047/01	BAP, Bern2, LBAP-C, S7, UKBA	PC, UA
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449439-106179413	D1852/002/01	BAP, Bern2, LBAP-C, S7, UKBA	PC
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ4239	2 records, both on 23/04/2011	Neil Hughes	2 Female; 2 Male	Reported to recorder	Penley, E	Activity: P. Survey: Observer data	D0062/008/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	NA
Rana temporaria (Common Frog / Broga)	SJ42974076	2 records, both in 2008	ADAS	Larvae		Penley	Pond number 121. Bottle-trapping. Visit 3; Pond number 121. Bottle-trapping. Visit 4	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Rana temporaria (Common Frog / Broga)	SJ43124067	2 records, both in 2008	ADAS	1		Penley	Pond number 122. Bottle-trapping. Visit 1; Pond number 122. Bottle-trapping. Visit 2	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ42954064	2 records, both in 2008	ADAS	Larvae		Penley	Pond number 123. Bottle-trapping. Visit 3; Pond number 123. Bottle-trapping. Visit 4	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ42704051	2008	ADAS	1		Penley	Pond number 125. Torch survey	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ42764041	2008	ADAS	1		Penley	Pond number 128. Torch survey	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ43154038	3 records, all in 2008	ADAS	Larvae		Penley	Pond number 129. Bottle-trapping. Visit 2; Pond number 129. Bottle-trapping. Visit 3; Pond number 129. Bottle-trapping. Visit 4	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ42514031	2008	ADAS			Penley	Pond number 133. Torch survey	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ42453971	2008	ADAS			Penley	Pond number 143. Bottle-trapping. Visit 4	D1467/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ41953981	14/03/2018	R.G. Thorne	spawn		Penley	Habitat: ephemeral pool	D1234/009/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sturnus vulgaris (Starling / Drudwen)	SJ4139	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham, Flintshire	Occurrence ID: NBN-GA000567-BGBW2008-22135887-139429689; Occurrence ID: NBN-GA000656-BGBW2009-16449882-106878536	D1852/001/01, D1852/002/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Sturnus vulgaris (Starling / Drudwen)	SJ4140	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham, Flintshire	Occurrence ID: NBN-GA000567-BGBW2008-22135892-139231468; Occurrence ID: NBN-GA000656-BGBW2009-16449933-106878532	D1852/001/01, D1852/002/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Trichiura crataegi (Pale Eggar / Wylun Gwelw)	SJ430406	16/08/1990	J.B. Formstone	1 Adult		Penley	Habitat: Roadside and verge. Method: Daytime observation	D1285/001/03	BAP, LBAP-G, S7	NA
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ4239 ***(Selected from Interactive Map)***	**19/04/2010**	**Neil Lee-Gallon**	**2 Female**		**-Withheld-**	**-Withheld-**	D1463/001/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5**	**KC**
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ4239 ***(Selected from Interactive Map)***	**3 records, between 14/06/2010 and 04/05/2018**	**Neil Lee-Gallon; R.G. Thorne**	**1 Male; 1 Female; adults and eggs male & female**		**-Withheld-**	**-Withheld-**	D1463/001/01, D1234/009/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5**	**KC, PC**
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ4239 ***(Selected from Interactive Map)***	**7 records, between 2008 and 19/04/2010**	**Neil Lee-Gallon; ADAS**	**1 Female; 1 Male; 2 Female; 6 Male; 3 Female; 1 Juvenile; 1 Male; 1 Female; 1 Male; Egg**		**-Withheld-**	**-Withheld-**	D1463/001/01, D1467/001/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5**	**KC, PC**
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ4240 ***(Selected from Interactive Map)***	**15/06/2010**	**Neil Lee-Gallon**	**1 Male**		**-Withheld-**	**-Withheld-**	D1463/001/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5**	**KC**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340 *(Selected from Interactive Map)*	4 records, between 2008 and 20/04/2010	Neil Lee-Gallon; ADAS	1 Male; 1 Female; 3 Female; 1 Female; Egg		-Withheld-	-Withheld-	D1463/001/01, D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	KC, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240 *(Selected from Interactive Map)*	20/05/2010	Neil Lee-Gallon	1 Female		-Withheld-	-Withheld-	D1463/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	KC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340 *(Selected from Interactive Map)*	3 records, between 21/04/2010 and 19/05/2010	Neil Lee-Gallon	1 Female		-Withheld-	-Withheld-	D1463/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	KC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340 *(Selected from Interactive Map)*	4 records, between 21/04/2010 and 17/06/2010	Neil Lee-Gallon	1 Male; 2 Male; 1 Male; 1 Female; 1 Female		-Withheld-	-Withheld-	D1463/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	KC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340 *(Selected from Interactive Map)*	4 records, between 19/05/2010 and 17/06/2010	Neil Lee-Gallon	5 Male; 1 Female; Egg; 1 Male; 2 Female; Egg; Egg		-Withheld-	-Withheld-	D1463/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	KC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340	5 records, between 2008 and May 2016	ADAS; Anon - Etive Ecology Ltd	2 Female; 1 Male; 1 Female; 1 Female; Peak count; 1		-Withheld-	-Withheld-	D1467/001/01, D1725/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340	4 records, all in 2008	ADAS	3 Male; 2 Female; 3 Male; 9 Female; 1 Male; 3 Female; 2 Male		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	3 records, between 2008 and May 2016	ADAS; Anon - Etive Ecology Ltd	1 Male; 1 Male; 1 Female; Peak count; 5		-Withheld-	-Withheld-	D1467/001/01, D1725/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340	3 records, all in 2008	ADAS	2 Male; 1 Female; 1 Juvenile; Egg		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	2 records, both in 2008	ADAS	2 Juvenile; Egg		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	5 records, all in 2008	ADAS	2 Juvenile; 5 Male; 1 Female; 1 Juvenile; 1 Male; 2 Male; Egg; 9 Male; 3 Female		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	2 records, both in 2008	ADAS	Egg; 1 Male		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	6 records, all in 2008	ADAS	1 Juvenile; 1 Male; 2 Juvenile; 7 Male; 3 Female; 6 Male; 1 Female; 4 Male; 3 Female; Egg; 19 Male; 7 Female		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	5 records, all in 2008	ADAS	14 Male; 3 Female; 10 Male; 6 Female; 6 Male; 2 Female; Egg; 1 Male		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4239	6 records, all in 2008	ADAS	2 Male; 1 Female; 6 Male; 3 Female; 1 Juvenile; 2 Juvenile; Egg; 1 Male		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4239	4 records, all in 2008	ADAS	2 Male; 2 Female; 1 Male; Egg		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4239	2 records, both in 2008	ADAS	1 Female; Egg		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4239	6 records, all in 2008	ADAS	8 Male; 14 Female; 14 Male; 5 Female; 2 Female; 2 Juvenile; 3 Male; 1 Female; Egg		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4239	2008	ADAS	Egg		-Withheld-	-Withheld-	D1467/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4239 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.	110	Pitfall trap	-Withheld-	-Withheld-	D1463/002/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.	98	Pitfall trap	-Withheld-	-Withheld-	D1463/002/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.	120	Pitfall trap	-Withheld-	-Withheld-	D1463/002/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340 *(Supplied by Original Recorder)*	2012	Anon. NLG Ecology Ltd.	1	Pitfall trap	-Withheld-	-Withheld-	D1463/002/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4140 *(Estimated (Centroid of Site))*	~ 2005	BASC Recorder (13581740-1)			-Withheld-	-Withheld-	D0132/001/02	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	20/07/2002	JG & AH	1Eg9, 2 larvae		-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	February 2007	JG & AH	1 Egg 3 larvae		-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4140	Spring 2004	TEP	3 adults		-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4340	May 2016	Anon - Etive Ecology Ltd	Peak count; 5		-Withheld-	-Withheld-	D1725/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4241	May 2016	Anon - Etive Ecology Ltd	Peak count; 38		-Withheld-	-Withheld-	D1725/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4240	May 2016	Anon - Etive Ecology Ltd	Peak count; 33		-Withheld-	-Withheld-	D1725/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4139	08/05/2018	R.G. Thorne	adults and eggs male & female		-Withheld-	-Withheld-	D1234/009/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4239	May 2018	R.G. Thorne	adults and eggs male & female		-Withheld-	-Withheld-	D1234/009/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4140	10 records, between 15/04/2004 and 18/05/2004	Rachel Hayward	5 Adult Male (Exact); P Adult Female (Exact); 1 Adult Female (Exact); 3 Adult Male (Exact); P Adult Male (Exact); 2 Adult Female (Exact); 4 Adult Male (Exact); 6 Adult Female (Exact)		-Withheld-	-Withheld-	D1923/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ4140	2 records, both on 06/04/2004	Rachel Hayward	2 Adult Female (Exact); P Adult Male (Exact)		-Withheld-	-Withheld-	D1923/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-T, LBAP-W, S7, WCA5	NA
Troglodytes troglodytes (Wren / Dryw)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	12		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449977-106817460	D1852/002/01, D1297/047/01	BAP, BDir1, Bern2, UKBA	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Troglodytes troglodytes (Wren / Dryw)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	BAP, BDir1, Bern2, UKBA	PC
Turdus philomelos (Song Thrush / Bronfraith)	SJ4139 *(Approximate)*	12/02/2021	Miss Janice Gray	1		Penley Bank House,Maelor South Community		D1297/047/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-W, S7, UKBA, WBA	UA
Turdus pilaris (Fieldfare / Socan Eira)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449933-106437911	D1852/002/01	BDir2.2, LBAP-C, RL-PX, UKBR, WBA, WCA1.1	PC
Turdus pilaris (Fieldfare / Socan Eira)	SJ4139 *(Approximate)*	2 records, between 12/02/2021 and 13/02/2021	Miss Janice Gray	1; 2		Penley Bank House,Maelor South Community		D1297/047/01	BDir2.2, LBAP-C, RL-PX, UKBR, WBA, WCA1.1	UA
***Tyto alba* (Barn Owl / Tylluan Wen)**	SJ44	**2 records, both on 02/07/2010**	**John Lawton Roberts**	**1 Female; 1 Male**	**Reported to recorder**	**-Withheld-**	**-Withheld-**	D0062/008/01	**Bern2, CITES-A, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, WBA, WCA1.1, WCA9**	**NA**
***Tyto alba* (Barn Owl / Tylluan Wen)**	SJ44	**2 records, between 09/07/2020 and 22/12/2020**	**Emma Broad**	**Female, fullgrown; 2 pulli Female & male**		**-Withheld-**	**-Withheld-**	D2012/001/01	**Bern2, CITES-A, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-S, LBAP-T, LBAP-W, WBA, WCA1.1, WCA9**	**NA**

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Category 2 Species										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Accipiter nisus (Sparrowhawk / Gwalch Glas)	SJ4139 *(Approximate)*	12/02/2021	Miss Janice Gray	1		Penley Bank House,Maelor South Community		D1297/047/01	Bonn2, CITES-A, LBAP-C, RL-NT, UKBA	UA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449933-106734659	D1852/002/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	10		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449882-106734667	D1852/002/01, D1297/047/01	WBA	PC, UA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-106734578	D1852/002/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ4339	23/04/2011	Steven Davies	1		Tarts Hill	BirdTrack	D1297/025/01	WBA	PC
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ4339	23/04/2011	Steven Davies	9		Tarts Hill	BirdTrack	D1297/025/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	PC
Apus apus (Swift / Gwennol Ddu)	SJ4139 *(Approximate)*	09/05/2003	Mr John Fitzgerald	3		Penley		D1297/042/01	RL-EN, UKBR, WBA	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-105771454	D1852/002/01	Bern2, LBAP-C, RL-EN, UKBR	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Chloris chloris (Greenfinch / Llinos Werdd)	SJ4339	23/04/2011	Steven Davies	1		Tarts Hill	BirdTrack	D1297/025/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Cicuta virosa (Cowbane / Buladd)	SJ424409	11/09/2014	Bell, K.K.			Dingles Farm	Large pond N of New Gorse Covert	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ425406	11/09/2014	Bell, K.K.			Dingles Farm	Small pond in corner of field NE of New Gorse Covert	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ418409	29/09/2013	Bell, K.K.			Penley	Large pond between the 'arms' of Penley Wood	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ4251740338	10/04/2015	Bell, K.K.			Dingles Farm	Several in pond c100m S of New Gorse Covert	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ429407	04/08/2014	Bell, K.K.			Dingles Farm	Pond S of The Bryn	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ419411	29/09/2013	Bell, K.K.			Penley	Pond between the 'arms' of Penley Wood	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ430394	04/08/2014	Bell, K.K.			Street Lydan	Pond by footpath S of Street Lydan	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ436400	18/09/2013	Bell, K.K.			Penley	Large pond S of Pigeon House	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ434398	2 records, between 18/09/2013 and 07/07/2014	Bell, K.K.			Penley;Street Lydan	Pond ENE of Street Lydan; Pond E of Street Lydan	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Cicuta virosa (Cowbane / Buladd)	SJ429404	11/09/2014	Bell, K.K.			Dingles Farm	Pond NW of Pant near the lane	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ426412	11/09/2014	Bell, K.K.			Bryn Newydd	Large pond W of The Bryn	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ431409	04/08/2014	Bell, K.K.			Pigeon House	Small pond SW of The Bryn	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ42904054	09/06/2015	Jonathan Shanklin			Dingles Farm	Frequent in pond	D1169/004/02	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	NA
Cicuta virosa (Cowbane / Buladd)	SJ417400	06/10/1996	Ken Allenby		Field record		Ditch wall, vegetated, 1m wide, 0.5m deep, 1.2m banks.	D0969/001/05	LBAP-C, LBAP-F, LI-51[LR], LI-VP-50[LNS], LI-VP-51[LR], RDB-NS	PC
Corvus frugilegus (Rook / Ydfran)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	BDir2.2, RL-NT, UKBA	PC
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ42944101 *(Approximate)*	03/03/2013	Rhian Hughes; Tim Yardley	Several Nest	Burrow/Nesthole	Halghton; The Bryn	Found under the eaves on the northern side of the building. The interior of the loft space is scattered with bird droppings, but no nests were found inside the building. The gaps at the eaves were large enough in places to allow bird access.	D1428/069/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	PC
***Dicranella cerviculata* (Red-neck Forklet-moss)**	SJ4140	**February 1973**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-48[LR], LI-49[LR], LI-52[EX], WRL-BR[NT]**	**NA**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Gallinula chloropus (Moorhen / Iar Ddwr)	SJ4339	2 records, between 23/04/2011 and 21/06/2017	John Lawton Roberts; Steven Davies	1 Adult; 1	Reported to recorder	Tarts Hill	Activity: A. Survey: Observer data; BirdTrack	D0062/008/01, D1297/025/01	BDir2.2, Bonn2, RL-VU, UKBA	NA, PC
Hirundo rustica (Swallow / Gwennol)	SJ42944101 *(Approximate)*	03/03/2013	Rhian Hughes; Tim Yardley	Several Nest	Burrow/Nesthole	Halghton; The Bryn	Found under the eaves on the northern side of the building. The interior of the loft space is scattered with bird droppings, but no nests were found inside the building. The gaps at the eaves were large enough in places to allow bird access.	D1428/069/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC
Hirundo rustica (Swallow / Gwennol)	SJ4139	2 records, between 15/04/2012 and 14/05/2016	Brenda Rigby; Peter Kirk	1; 4		Penley	Birdtrack. first spring sighting; BirdTrack	D1297/025/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC
Hirundo rustica (Swallow / Gwennol)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC
Meconopsis cambrica (Welsh Poppy / Pabi Cymreig)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LBAP-C, LBAP-D, LI-48[LS], LI-49[LS], RDB-NS	NA
Periparus ater (Coal Tit / Titw Penddu)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	1		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449977-106180045	D1852/002/01, D1297/047/01	Bern2, LBAP-C, WBA	PC, UA
Periparus ater (Coal Tit / Titw Penddu)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449933-106179925	D1852/002/01	Bern2, LBAP-C, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Pinus sylvestris (Scots Pine / Pinwydden yr Alban)	SJ4239	09/06/2015	Jonathan Shanklin			Park Lane		D1169/004/02	RDB-NS	NA
Regulus regulus (Goldcrest / Dryw Eurben)	SJ4139	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449977-106438006	D1852/002/01	Bern2, LBAP-C, WBA	PC
Sapromyza quadricincta	SJ428404	15/10/2020	Bryan Formstone	1m		Lion Lane Penley	Sweeping	D1650/020/01	RDB-N	NA
Scolopax rusticola (Woodcock / Cyffylog)	SJ417407 *(Estimated (Centroid of Site))*	~ 2005	BASC Recorder (13581740-1)				Shoot Size Range: 0-3km	D0132/001/02	BDir2.1, Bonn2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-VU, UKBR, WBA	PC
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	2		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449780-106179530	D1852/002/01, D1297/047/01	BDir2.2, GBNNSIP, RL-NT	PC, UA
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-106179762	D1852/002/01	BDir2.2, GBNNSIP, RL-NT	PC
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449933-106179926	D1852/002/01	BDir2.2, GBNNSIP, RL-NT	PC
Strix aluco (Tawny Owl / Tylluan Frech)	SJ4139 *(Approximate)*	12/02/2021	Miss Janice Gray	2		Penley Bank House,Maelor South Community		D1297/047/01	Bern2, CITES-A, LBAP-C, RL-NT, UKBA	UA
Sympetrum striolatum (Common Darter / Gwäell Gyffredin)	SJ427408	20/07/2002	Andy Harmer	6-20 Larvae	Field record	Pond		D1295/001/05	LBAP-S, RL-DD	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sympetrum striolatum (Common Darter / Gwäell Gyffredin)	SJ423401	20/07/2002	Andy Harmer	2-5 Larvae	Field record	Pond		D1295/001/05	LBAP-S, RL-DD	NA

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Category 3 Species										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Acer campestre (Field Maple / Masarnen Fach)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LI-48[LS], LI-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ4140	01/11/2013	Denbsgroup			Penley Hall		D1169/004/02	LI-48[LS], LI-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LI-48[LS], LI-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ4239	09/06/2015	Jonathan Shanklin			Park Lane		D1169/004/02	LI-48[LS], LI-49[LS]	NA
Aeshna cyanea (Southern Hawker / Gwas Neidr y De)	SJ427408	20/07/2002	Andy Harmer	1 Larvae	Field record	Pond		D1295/001/05	LBAP-S	NA
Aeshna cyanea (Southern Hawker / Gwas Neidr y De)	SJ425408	20/07/2002	Andy Harmer	2-5 Larvae	Field record	Pond, Dingles Farm, Halghton		D1295/001/05	LBAP-S	NA
Aeshna grandis (Brown Hawker / Gwas Neidr Brown)	SJ423401	20/07/2002	Andy Harmer	1 Larvae	Field record	Pond		D1295/001/05	LBAP-G, LBAP-S	NA
Barbarea vulgaris (Winter-cress / Berwr y Gaeaf)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LI-48[LS]	NA
Barbarea vulgaris (Winter-cress / Berwr y Gaeaf)	SJ4241	1970	Bell, K.K.			Halghton	Streamside ENE of Bryn Newydd.	D1169/004/02	LI-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Bidens cernua (Nodding Bur-marigold / Graban Gogwydd)	SJ424409	11/09/2014	Bell, K.K.			Dingles Farm	Large pond N of New Gorse Covert	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LR], LI-VP-51[LR]	NA
Bidens cernua (Nodding Bur-marigold / Graban Gogwydd)	SJ429407	04/08/2014	Bell, K.K.			Dingles Farm	Pond S of The Bryn	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LR], LI-VP-51[LR]	NA
Bidens cernua (Nodding Bur-marigold / Graban Gogwydd)	SJ430394	04/08/2014	Bell, K.K.			Street Lydan	Pond by footpath S of Street Lydan	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LR], LI-VP-51[LR]	NA
Bidens cernua (Nodding Bur-marigold / Graban Gogwydd)	SJ434398	18/09/2013	Bell, K.K.			Penley	Pond ENE of Street Lydan	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LR], LI-VP-51[LR]	NA
Bidens cernua (Nodding Bur-marigold / Graban Gogwydd)	SJ426412	11/09/2014	Bell, K.K.			Bryn Newydd	Large pond W of The Bryn	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LR], LI-VP-51[LR]	NA
Bromopsis ramosa (Hairy-brome / Pawrwellt Blewog)	SJ427402	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LI-48[LS]	NA
***Bryum gemmiferum* (Small-bud Bryum)**	SJ4140	**1973**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-48[LR]**	**NA**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Bryum gemmiferum **(Small-bud Bryum)**	SJ4139	**1973**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-48[LR]**	**NA**
Bryum violaceum **(Pill Bryum)**	SJ4139	**1973**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-48[LR], LI-49[LR], LI-50[LR]**	**NA**
Buteo buteo (Buzzard / Bwncath)	SJ4339	23/04/2011	Steven Davies	2		Tarts Hill	BirdTrack	D1297/025/01	Bonn2, CITES-A, LBAP-C	PC
Buteo buteo (Buzzard / Bwncath)	SJ4139 *(Approximate)*	12/02/2021	Miss Janice Gray	2		Penley Bank House,Maelor South Community		D1297/047/01	Bonn2, CITES-A, LBAP-C	UA
Carduelis carduelis (Goldfinch / Nico)	SJ4139	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449882-106437922	D1852/002/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-106437784	D1852/002/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449439-106437578	D1852/002/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	Bern2, LBAP-A, LBAP-C	PC
Carex acutiformis (Lesser Pond-sedge / Hesgen-y-Dwr Fach)	SJ424409	11/09/2014	Bell, K.K.			Dingles Farm	Large pond N of New Gorse Covert	D1169/004/02	LBAP-G, LI-49[LS], LI-VP-50[LNS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Carex acutiformis (Lesser Pond-sedge / Hesgen-y-Dwr Fach)	SJ429407	04/08/2014	Bell, K.K.			Dingles Farm	Pond S of The Bryn	D1169/004/02	LBAP-G, LI-49[LS], LI-VP-50[LNS]	NA
Carex acutiformis (Lesser Pond-sedge / Hesgen-y-Dwr Fach)	SJ434398	18/09/2013	Bell, K.K.			Penley	Pond ENE of Street Lydan	D1169/004/02	LBAP-G, LI-49[LS], LI-VP-50[LNS]	NA
Carex acutiformis (Lesser Pond-sedge / Hesgen-y-Dwr Fach)	SJ430406	01/07/2012	Bell, K.K.			Halghton	Roadside pond S of Bryn.	D1169/004/02	LBAP-G, LI-49[LS], LI-VP-50[LNS]	NA
Carex otrubae x remota = C. x pseudoaxillaris	SJ42904054	09/06/2015	Jonathan Shanklin			Dingles Farm	One tussock in ditch by road	D1169/004/02	LI-50[LR], LI-51[LR], LI-VP-50[LR]	NA
Carex vesicaria (Bladder-sedge / Hesgen Chwysigennaidd)	SJ432404	1975	Bell, K.K.			Pant	Large pond NW of Pant	D1169/004/02	LBAP-G, LI-48[LS], LI-49[LS], LI-50[LS], LI-51[LS], LI-52[LS], LI-VP-50[LNS], LI-VP-51[LR], LI-VP-52[LS]	NA
Carex vesicaria (Bladder-sedge / Hesgen Chwysigennaidd)	SJ422408	1975	Bell, K.K.			Halghton	Small pond between Bryn Wood and Penley Wood.	D1169/004/02	LBAP-G, LI-48[LS], LI-49[LS], LI-50[LS], LI-51[LS], LI-52[LS], LI-VP-50[LNS], LI-VP-51[LR], LI-VP-52[LS]	NA
Carex vesicaria (Bladder-sedge / Hesgen Chwysigennaidd)	SJ425412	1975	Bell, K.K.			Halghton	Smaller pond W of The Bryn.	D1169/004/02	LBAP-G, LI-48[LS], LI-49[LS], LI-50[LS], LI-51[LS], LI-52[LS], LI-VP-50[LNS], LI-VP-51[LR], LI-VP-52[LS]	NA
Carex vesicaria (Bladder-sedge / Hesgen Chwysigennaidd)	SJ421412	26/08/2012	Bell, K.K.			Penley	Large pond by footpath between Penley Wood and Bryn Wood	D1169/004/02	LBAP-G, LI-48[LS], LI-49[LS], LI-50[LS], LI-51[LS], LI-52[LS], LI-VP-50[LNS], LI-VP-51[LR], LI-VP-52[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Celastrina argiolus (Holly Blue / Glesyn Celyn)	SJ41854026	16/07/2022	Anon (victoria-beale)	1		Penley	Habitat type: Garden	D2108/001/01	LBAP-C	UA
Certhia familiaris (Treecreeper / Dringwr Bach)	SJ4139 *(Approximate)*	12/02/2021	Miss Janice Gray	1		Penley Bank House,Maelor South Community		D1297/047/01	Bern2, LBAP-C	UA
Coenagrion puella (Azure Damselfly / Mursen Las Asur)	SJ423401	20/07/2002	Andy Harmer	1 Larvae	Field record	Pond		D1295/001/05	LBAP-S	NA
Coenagrion puella (Azure Damselfly / Mursen Las Asur)	SJ425408	20/07/2002	Andy Harmer	1 Larvae	Field record	Pond, Dingles Farm, Halghton		D1295/001/05	LBAP-S	NA
Columba oenas (Stock Dove / Colomen Wyllt)	SJ4339	23/04/2011	Steven Davies	1		Tarts Hill	BirdTrack	D1297/025/01	BDir2.2, LBAP-G, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449439-106987095	D1852/002/01	BDir2.1, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-106987205	D1852/002/01	BDir2.1, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	BDir2.1, UKBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Columba palumbus (Woodpigeon / Ysguthan)	SJ4139 *(Approximate)*	12/02/2021	Miss Janice Gray	6		Penley Bank House,Maelor South Community		D1297/047/01	BDir2.1, UKBA	UA
Cornus sanguinea subsp. sanguinea	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LI-52[LS]	NA
Corvus corax (Raven / Cigfran)	SJ4241	27/10/2017	John Lawton Roberts	1	Reported to recorder	Bryn Newydd	Survey: Observer data	D0062/008/01	LBAP-C	NA
Cruciata laevipes (Crosswort / Llysiau'r Groes)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LBAP-G, LI-49[LS], LI-52[LS], LI-VP-52[LS]	NA
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	8		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449882-105771829	D1852/002/01, D1297/047/01	Bern2, LBAP-C	PC, UA
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449439-105770748	D1852/002/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-105771457	D1852/002/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	Bern2, LBAP-C	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	2		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449882-106437923	D1852/002/01, D1297/047/01	Bern2, LBAP-C	PC, UA
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449933-106437909	D1852/002/01	Bern2, LBAP-C	PC
Dipsacus fullonum (Wild Teasel / Llysiau'r Cribau)	SJ4240	2012	Bell, K.K.			Dingles Farm	N end of a green lane leading fro Stryt Lydan to Halghton Lane.	D1169/004/02	LI-48[LR]	NA
Dipsacus fullonum (Wild Teasel / Llysiau'r Cribau)	SJ4339	09/06/2015	Jonathan Shanklin			Street Lydan		D1169/004/02	LI-48[LR]	NA
Dipsacus fullonum (Wild Teasel / Llysiau'r Cribau)	SJ4139	2010	Bell, K.K.			Penley	In Lane End.	D1169/004/02	LI-48[LR]	NA
Elymus caninus (Bearded Couch / Marchwellt y Coed)	SJ4341	1978	Bell, K.K.			Peartree House	Shaded banks of Pandy Brook NE of The Bryn.	D1169/004/02	LI-52[LS], LI-VP-52[LR]	NA
Elymus caninus (Bearded Couch / Marchwellt y Coed)	SJ432408	01/07/2012	Bell, K.K.			Halghton	Steep, shaded roadside SE of Bryn.	D1169/004/02	LI-52[LS], LI-VP-52[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ423401	20/07/2002	Andy Harmer	1 Larvae	Field record	Pond		D1295/001/05	LBAP-S	NA
Epilobium tetragonum (Square-stalked Willowherb / Helyglys Pedronglog)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	GBNNSIP, LI-48[LR], LI-49[LR], LI-VP-50[LNS]	NA
Equisetum fluviatile x arvense = E. x litorale (Shore Horsetail / Marchrawnen y Glennydd)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm	Patch on road verge in southern half of monad.	D1169/004/02	LBAP-D, LBAP-G, LI-49[LR], LI-50[LS], LI-VP-50[LS]	NA
Equisetum telmateia (Great Horsetail / Marchrawnen Fawr)	SJ4141	2 records, between 16/06/1968 and 15/05/2011	Bell, K.K.			Lee's Wood	N end of Penley Wood; Stream side at N end of Lee's Wood, Penley.	D1169/004/02	LI-48[LS]	NA
Geranium pusillum (Small-flowered Crane's-bill / Pig-yr-Aran Fân-Flodeuog)	SJ4139	09/06/2015	Jonathan Shanklin			Penley	Mown verge in village	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LS], LI-51[LS], LI-52[LS], LI-VP-52[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Glyceria fluitans x notata = G. x pedicellata (Hybrid Sweet-grass / Melyswellt Croesryw)	SJ4239	09/06/2015	Jonathan Shanklin			Park Lane		D1169/004/02	LBAP-G, LI-48[LS], LI-49[LR], LI-50[LR], LI-52[LR], LI-VP-50[LS], LI-VP-52[LS]	NA
***Gyroweisia tenuis* (Slender Stubble-moss)**	SJ4140	**1950 to 1991**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-49[LR], LI-51[LR], LI-52[LR]**	**NA**
***Gyroweisia tenuis* (Slender Stubble-moss)**	SJ4139	**1950 to 1991**	**Hill, M.O.**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-49[LR], LI-51[LR], LI-52[LR]**	**NA**
Hordeum secalinum (Meadow Barley / Haidd y Maes)	SJ4141	1978	Bell, K.K.			Lee's Wood	Footpath 50m SE of the large pond due E of Lee's Wood.	D1169/004/02	LBAP-G, LI-49[LS], LI-VP-51[LS]	NA
Inula helenium (Elecampane / Marchalan)	SJ4241	1975	Bell, K.K.			Bryn Newydd	In a field on the W side of Rock Lane.	D1169/004/02	GBNNSIP, LBAP-G, LI-49[LS], LI-50, LI-51[LR], LI-VP-50[LS], LI-VP-51[LR]	NA
Iris foetidissima (Stinking Iris / Gellesgen Ddrewllyd)	SJ427402	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LI-51[LS]	NA
Ischnura elegans (Blue-tailed Damselfly / Mursen Dinlas Gyffredin)	SJ427408	20/07/2002	Andy Harmer	2-5 Larvae	Field record	Pond		D1295/001/05	LBAP-S	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ischnura elegans (Blue-tailed Damselfly / Mursen Dinlas Gyffredin)	SJ425408	20/07/2002	Andy Harmer	2-5 Larvae	Field record	Pond, Dingles Farm, Halghton		D1295/001/05	LBAP-S	NA
Ischnura elegans (Blue-tailed Damselfly / Mursen Dinlas Gyffredin)	SJ423401	20/07/2002	Andy Harmer	2-5 Larvae	Field record	Pond		D1295/001/05	LBAP-S	NA
Jacobaea erucifolia (Hoary Ragwort / Creulys Lwyd)	SJ4240	1976	Bell, K.K.			Dingles Farm	Where the road forks S of The Bryn.	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-52[LS]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LI-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ4140	10/08/2014	Green, Paul Richard			Little Green Farm		D1169/004/02	LI-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LI-48[LR]	NA
Knautia arvensis (Field Scabious / Clafrllys y Maes)	SJ4340	1967	Bell, K.K.			Pigeon House	Hegdgebanks of a cart track SW of The Duke's.	D1169/004/02	LI-48[LS]	NA
Lathyrus linifolius (Bitter-vetch / Ytbysen y Coed)	SJ4240	3 records, between 1970 and 09/06/2015	Bell, K.K.; Jonathan Shanklin; Denbsgroup			Dingles Farm	Sporadically in the New Gorse Covert.; Scrub margin by pond at road junction	D1169/004/02	LI-52[LS], LI-VP-52[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lathyrus linifolius (Bitter-vetch / Ytbysen y Coed)	SJ428404	01/07/2012	Bell, K.K.			Halghton	Large colony on shaded roadside by pond SE of New Gorse Covert.	D1169/004/02	LI-52[LS], LI-VP-52[LS]	NA
Lemna gibba (Fat Duckweed / Llinad Crythog)	SJ417400	06/10/1996	Ken Allenby		Field record		Ditch wall, vegetated, 1m wide, 0.5m deep, 1.2m banks.	D0969/001/05	LI-50[LR], LI-51[LR], LI-52[LR], LI-VP-50[LS], LI-VP-52[LR]	PC
Lemna trisulca (Ivy-leaved Duckweed / Llinad Dail Eiddew)	SJ425406	11/09/2014	Bell, K.K.			Dingles Farm	Small pond in corner of field NE of New Gorse Covert	D1169/004/02	LBAP-G, LI-49[LR]	NA
Lemna trisulca (Ivy-leaved Duckweed / Llinad Dail Eiddew)	SJ435399	18/09/2013	Bell, K.K.			Penley	Pond ENE of Street Lydan	D1169/004/02	LBAP-G, LI-49[LR]	NA
Lemna trisulca (Ivy-leaved Duckweed / Llinad Dail Eiddew)	SJ424408	26/08/2012	Bell, K.K.			Penley	Pond WNW of Dukes View, Bryn Lane.	D1169/004/02	LBAP-G, LI-49[LR]	NA
Lysimachia nummularia (Creeping-Jenny / Siani Lusg)	SJ4140	01/11/2013	Denbsgroup			Penley Hall		D1169/004/02	LBAP-G, LI-49[LS]	NA
Lythrum portula (Water-purslane / Troed y Gywen)	SJ424409	1976	Bell, K.K.			Halghton	The larger pond S of The Ran, a SE projection of Bryn Wood.	D1169/004/02	LI-51[LS], LI-VP-51[LR]	NA
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	GBNNSIP, LI-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	GBNNSIP, LI-48[LS]	NA
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ4239	09/06/2015	Jonathan Shanklin			Park Lane		D1169/004/02	GBNNSIP, LI-48[LS]	NA
Mentha aquatica (Water Mint / Mintys y Dwr)	SJ419411	29/09/2013	Bell, K.K.			Penley	Pond between the 'arms' of Penley Wood	D1169/004/02	LBAP-A	NA
Mentha aquatica (Water Mint / Mintys y Dwr)	SJ436406	26/07/2014	Bell, K.K.			Pigeon House	Field ditch NE of Lower House	D1169/004/02	LBAP-A	NA
Milium effusum (Wood Millet / Miledwellt y Coed)	SJ4240	1977	Bell, K.K.			Dingles Farm	Occasional in New Gorse Covert.	D1169/004/02	LBAP-G, LI-48[LS], LI-49[LS], LI-52[LR], LI-VP-52[LR]	NA
Milium effusum (Wood Millet / Miledwellt y Coed)	SJ425404	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LBAP-G, LI-48[LS], LI-49[LS], LI-52[LR], LI-VP-52[LR]	NA
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ4139	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449977-106734740	D1852/002/01	Bern2, LBAP-C, LBAP-T	PC
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ4139 *(Approximate)*	2 records, between 14/05/2016 and 12/02/2021	Peter Kirk; Miss Janice Gray	1; 2		Penley;Penley Bank House,Maelor South Community	BirdTrack	D1297/025/01, D1297/047/01	Bern2, LBAP-T	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ4339	23/04/2011	Steven Davies	2		Tarts Hill	BirdTrack	D1297/025/01	Bern2, LBAP-T	PC
Neottia ovata (Common Twayblade / Caineirian)	SJ424405	1971	Bell, K.K.			Halghton	Along the ride on the W side of New Gorse Covert.	D1169/004/02	LI-48[LS]	NA
Nuphar lutea (Yellow Water-lily / Lili'r-Dwr Felen)	SJ418409	2 records, between 1975 and 29/09/2013	Bell, K.K.			Penley	Pond c400m NE of Hollybush Lane Farm.; Large pond between the 'arms' of Penley Wood	D1169/004/02	LI-49[LR], LI-VP-51[LS]	NA
Nymphaea alba (White Water-lily / Alaw)	SJ429404	11/09/2014	Bell, K.K.			Dingles Farm	Pond NW of Pant near the lane	D1169/004/02	LBAP-G, LI-49[LS], LI-VP-51[LS]	NA
Nymphaea alba (White Water-lily / Alaw)	SJ426412	11/09/2014	Bell, K.K.			Bryn Newydd	Large pond W of The Bryn	D1169/004/02	LBAP-G, LI-49[LS], LI-VP-51[LS]	NA
Oenanthe aquatica (Fine-leaved Water-dropwort / Cegiden-y-Dwr Fanddail)	SJ4216840192	01/11/2013	Denbsgroup			Halghton (SJ4240)	A few plants around pond on field boundary along Llwybr Maelor	D1169/004/02	LI-51[LS], LI-VP-51[LS]	NA
Oenanthe aquatica (Fine-leaved Water-dropwort / Cegiden-y-Dwr Fanddail)	SJ429403	1975	Bell, K.K.			Pant	Pond W of Pant.	D1169/004/02	LI-51[LS], LI-VP-51[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Oenanthe aquatica (Fine-leaved Water-dropwort / Cegiden-y-Dwr Fanddail)	SJ4216840194	01/11/2013	Denbsgroup			Halghton (SJ4240)	A few plants around pond at field boundary along Llwybr Maelor	D1169/004/02	LI-51[LS], LI-VP-51[LS]	NA
Orchis mascula (Early-purple Orchid / Tegeirian Coch y Gwanwyn)	SJ425405	1968	Bell, K.K.			Halghton	Small colony in S edge of New Gorse Covert E of the ponds.	D1169/004/02	LI-48[LS]	NA
Orchis mascula (Early-purple Orchid / Tegeirian Coch y Gwanwyn)	SJ434407	1996	Jonathan Guest		Field record	Wyche Valley, Oldcastle	Wooded clough - ex BBC TV - Record Electronic File No E79	D0969/001/05	LI-48[LS]	PC
Parus major (Great Tit / Titw Mawr)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	7		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449977-106438005	D1852/002/01, D1297/047/01	Bern2, LBAP-C	PC, UA
Parus major (Great Tit / Titw Mawr)	SJ4341	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16450809-106437785	D1852/002/01	Bern2, LBAP-C	PC
Parus major (Great Tit / Titw Mawr)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449439-106437579	D1852/002/01	Bern2, LBAP-C	PC
Persicaria bistorta (Common Bistort / Blodau Powdr)	SJ4240	1970	Bell, K.K.			Dingles Farm	On the E side of a stream which flows N into the E side of the New Gorse Covert.	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LR], LI-VP-50[LNS], LI-VP-51[LS]	NA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ4339	23/04/2011	Steven Davies			Tarts Hill	BirdTrack	D1297/025/01	LBAP-C	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Polystichum aculeatum (Hard Shield-fern / Gwrychredynen Galed)	SJ427402	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LI-49[LS], LI-52[LS]	NA
Populus nigra subsp. betulifolia (Black-poplar)	SJ4340	3 records, between 1978 and 26/07/2014	Bell, K.K.			Lower House	C500m NW of Lower House Farm nr Hanmer.; Two trees, 10m apart, both with characteristic bosses on the trunk - doing well. Repeat of 1978 record	D1169/004/02	GBNNSIP, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-W, LI-48[LS], LI-50[LS], LI-52[LR], LI-VP-52[LR]	NA
Populus nigra subsp. betulifolia (Black-poplar)	SJ435407	26/07/2014	Bell, K.K.			Pigeon House	Two old trees (with the distinctive bosses) at E end of plantation NE of Lower House	D1169/004/02	GBNNSIP, LBAP-C, LBAP-D, LBAP-F, LBAP-S, LBAP-W, LI-48[LS], LI-50[LS], LI-52[LR], LI-VP-52[LR]	NA
Potamogeton crispus (Curled Pondweed / Dyfrllys Crych)	SJ430394	04/08/2014	Bell, K.K.			Street Lydan	Pond by footpath S of Street Lydan	D1169/004/02	LI-48[LR], LI-49[LS]	NA
Potamogeton crispus (Curled Pondweed / Dyfrllys Crych)	SJ421411	1975	Bell, K.K.			Halghton	Pond by footpath between Penley Wood and Bryn Wood.	D1169/004/02	LI-48[LR], LI-49[LS]	NA
Potamogeton crispus (Curled Pondweed / Dyfrllys Crych)	SJ429404	11/09/2014	Bell, K.K.			Dingles Farm	Pond NW of Pant near the lane	D1169/004/02	LI-48[LR], LI-49[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Potamogeton obtusifolius (Blunt-leaved Pondweed / Dyfrllys Dail Aflym)	SJ429407	1975	Bell, K.K.			Halghton	Roadside pond due S of The Bryn.	D1169/004/02	LI-49[LR], LI-50[LR], LI-VP-50[LS]	NA
Potamogeton pusillus (Lesser Pondweed / Dyfrllys Eiddil)	SJ429407	04/08/2014	Bell, K.K.			Dingles Farm	Pond S of The Bryn	D1169/004/02	LI-48[LR], LI-50[LR], LI-51[LR], LI-VP-50[LS], LI-VP-51[LS]	NA
Potentilla anglica x reptans = P. x mixta (Hybrid Cinquefoil / Pumnalen Groesryw)	SJ425404	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	LBAP-G, LI-49[LR]	NA
Potentilla anglica x reptans = P. x mixta (Hybrid Cinquefoil / Pumnalen Groesryw)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LBAP-G, LI-49[LR]	NA
Primula veris (Cowslip / Briallen Fair)	SJ427404	10/04/2015	Bell, K.K.			Dingles Farm		D1169/004/02	LI-48[LS]	NA
Primula veris x vulgaris = P. x polyantha (False Oxlip / Briallen Groesryw)	SJ4286240508	10/04/2015	Bell, K.K.			Dingles Farm	2 plants in lane leading to Horsemans Green E of New Gorse Covert	D1169/004/02	LBAP-G, LI-49[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Primula veris x vulgaris = P. x polyantha (False Oxlip / Briallen Groesryw)	SJ4260040501	10/04/2015	Bell, K.K.			Dingles Farm	1 plant by FP in field on E side of New Gorse Covert	D1169/004/02	LBAP-G, LI-49[LS]	NA
Pulicaria dysenterica (Common Fleabane / Cedowydd Cyffredin)	SJ425406	11/09/2014	Bell, K.K.			Dingles Farm	Ditch on field border on E side of New Gorse Covert	D1169/004/02	LI-48[LS]	NA
Pulicaria dysenterica (Common Fleabane / Cedowydd Cyffredin)	SJ436406	26/07/2014	Bell, K.K.			Pigeon House	By a deep ditch NE of Lower House	D1169/004/02	LI-48[LS]	NA
Pyrrhosoma nymphula (Large Red Damselfly / Mursen Fawr Goch)	SJ423401	20/07/2002	Andy Harmer	1 Larvae	Field record	Pond		D1295/001/05	LBAP-S	NA
Pyrrhosoma nymphula (Large Red Damselfly / Mursen Fawr Goch)	SJ427408	20/07/2002	Andy Harmer	2-5 Larvae	Field record	Pond		D1295/001/05	LBAP-S	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ranunculus auricomus (Goldilocks Buttercup / Blodyn-Ymenyn Peneuraid)	SJ4340	09/06/2015	Jonathan Shanklin			Pigeon House		D1169/004/02	LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-52[LS]	NA
Ranunculus auricomus (Goldilocks Buttercup / Blodyn-Ymenyn Peneuraid)	SJ4240	1969	Bell, K.K.			Dingles Farm	Roadside hedgebank SE of New Gorse Covert, E of Penley	D1169/004/02	LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-52[LS]	NA
Ranunculus sceleratus (Celery-leaved Buttercup / Crafanc yr Eryr)	SJ4240	2 records, between 01/11/2013 and 09/06/2015	Jonathan Shanklin; Denbsgroup			Dingles Farm		D1169/004/02	LI-48[LS]	NA
Ranunculus sceleratus (Celery-leaved Buttercup / Crafanc yr Eryr)	SJ419411	29/09/2013	Bell, K.K.			Penley	Pond between the 'arms' of Penley Wood	D1169/004/02	LI-48[LS]	NA
Ranunculus sceleratus (Celery-leaved Buttercup / Crafanc yr Eryr)	SJ430394	04/08/2014	Bell, K.K.			Street Lydan	Pond by footpath S of Street Lydan	D1169/004/02	LI-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ranunculus sceleratus (Celery-leaved Buttercup / Crafanc yr Eryr)	SJ4239	09/06/2015	Jonathan Shanklin			Park Lane		D1169/004/02	LI-48[LS]	NA
Reseda luteola (Weld / Melengu)	SJ4339	2011	Bell, K.K.			Street Lydan	Verges of road leading from Stryt Lydan to Tart's Hill.	D1169/004/02	GBNNSIP, LI-48[LS]	NA
Reseda luteola (Weld / Melengu)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	GBNNSIP, LI-48[LS]	NA
Rorippa palustris (Marsh Yellow-cress / Berwr Melyn y Gors)	SJ430394	04/08/2014	Bell, K.K.			Street Lydan	Pond by footpath S of Street Lydan	D1169/004/02	LBAP-G, LI-48[LS], LI-49[LR], LI-51[LS], LI-52[LS], LI-VP-51[LR]	NA
Rosa rubiginosa (Sweet-briar / Drysïen Bêr)	SJ4139	09/06/2015	Jonathan Shanklin			Penley	In hedge	D1169/004/02	LBAP-G, LI-49[LS], LI-50[LS], LI-51[LR], LI-VP-50[LR]	NA
Sagina apetala subsp. apetala	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LI-51[LR], LI-VP-51[LR]	NA
Salix purpurea (Purple Willow / Helygen Gochlas)	SJ435399	18/09/2013	Bell, K.K.			Penley	Pond ENE of Street Lydan	D1169/004/02	LI-48[LS], LI-50[LR], LI-51[LR], LI-52[LS], LI-VP-50[LS], LI-VP-51[LR]	NA
Salix purpurea (Purple Willow / Helygen Gochlas)	SJ432400	07/07/2014	Bell, K.K.			Pigeon House	Good stand round pond NE of Street Lydan	D1169/004/02	LI-48[LS], LI-50[LR], LI-51[LR], LI-52[LS], LI-VP-50[LS], LI-VP-51[LR]	NA
Salix purpurea (Purple Willow / Helygen Gochlas)	SJ4338040798	11/09/2014	Bell, K.K.			Pigeon House	A single bush by brook SW of The Dukes	D1169/004/02	LI-48[LS], LI-50[LR], LI-51[LR], LI-52[LS], LI-VP-50[LS], LI-VP-51[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Salix viminalis x caprea = S. x smithiana (Broad-leaved Osier / Helygen Dail Sidan)	SJ4239	09/06/2015	Jonathan Shanklin			Park Lane		D1169/004/02	GBNNSIP, LBAP-G, LI-49[LR], LI-50[LS], LI-52[LS]	NA
Schoenoplectus lacustris (Common Club-rush / Llafrwyn)	SJ418409	2 records, between 1975 and 29/09/2013	Bell, K.K.			Penley	Ponds NE of Hollybush Lane Farm; Large pond between the 'arms' of Penley Wood	D1169/004/02	LBAP-G, LI-49[LS], LI-50[LS], LI-VP-51[LR]	NA
Schoenoplectus lacustris (Common Club-rush / Llafrwyn)	SJ4251740338	10/04/2015	Bell, K.K.			Dingles Farm	Pond c100m S of New Gorse Covert	D1169/004/02	LBAP-G, LI-49[LS], LI-50[LS], LI-VP-51[LR]	NA
Schoenoplectus lacustris (Common Club-rush / Llafrwyn)	SJ435399	18/09/2013	Bell, K.K.			Penley	Pond ENE of Street Lydan	D1169/004/02	LBAP-G, LI-49[LS], LI-50[LS], LI-VP-51[LR]	NA
Schoenoplectus lacustris (Common Club-rush / Llafrwyn)	SJ426412	11/09/2014	Bell, K.K.			Bryn Newydd	Large pond W of The Bryn	D1169/004/02	LBAP-G, LI-49[LS], LI-50[LS], LI-VP-51[LR]	NA
Scirpus sylvaticus (Wood Club-rush / Clwbfrwynen Bengron)	SJ433409	11/09/2014	Bell, K.K.			Pigeon House	Boggy banks of brook SW of The Dukes	D1169/004/02	LI-50[LR], LI-VP-50[LS]	NA
Scirpus sylvaticus (Wood Club-rush / Clwbfrwynen Bengron)	SJ429404	11/09/2014	Bell, K.K.			Dingles Farm	Pond NW of Pant near the lane	D1169/004/02	LI-50[LR], LI-VP-50[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Scirpus sylvaticus (Wood Club-rush / Clwbfrwynen Bengron)	SJ434407	11/09/2014	Bell, K.K.			Pigeon House	Boggy field on W side of Brook by Pigeon Lane cross roads	D1169/004/02	LI-50[LR], LI-VP-50[LS]	NA
Scutellaria galericulata (Skullcap / Cycyllog)	SJ421412	26/08/2012	Bell, K.K.			Penley	Large pond by footpath between Penley Wood and Bryn Wood	D1169/004/02	LI-51[LR], LI-VP-51[LS]	NA
Scutellaria galericulata (Skullcap / Cycyllog)	SJ426412	11/09/2014	Bell, K.K.			Bryn Newydd	Large pond W of The Bryn	D1169/004/02	LI-51[LR], LI-VP-51[LS]	NA
Scutellaria galericulata (Skullcap / Cycyllog)	SJ4141	2011	Bell, K.K.			Lee's Wood	Pond on W side of Penley Wood.	D1169/004/02	LI-51[LR], LI-VP-51[LS]	NA
Silene latifolia (White Campion / Gludlys Gwyn)	SJ4340	09/06/2015	Jonathan Shanklin			Pigeon House		D1169/004/02	GBNNSIP, LI-48[LS]	NA
Silene latifolia x dioica = S. x hampeana (Hybrid Campion)	SJ4340	09/06/2015	Jonathan Shanklin			Pigeon House		D1169/004/02	LI-48[LR]	NA
Silene latifolia x dioica = S. x hampeana (Hybrid Campion)	SJ435409	01/07/2012	Bell, K.K.			The Duke's	Old Lane SW of The Duke's	D1169/004/02	LI-48[LR]	NA
Sison amomum (Stone Parsley / Perllys y Cerrig)	SJ418407	1975	Bell, K.K.			Penley	W side of hedgerow c200m N of Penley Hall moat.	D1169/004/02	LI-49[LS], LI-VP-51[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sitta europaea (Nuthatch / Delor y Cnau)	SJ4140	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16449933-106734660	D1852/002/01	Bern2, LBAP-C	PC
Sitta europaea (Nuthatch / Delor y Cnau)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	2		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449882-106734668	D1852/002/01, D1297/047/01	Bern2, LBAP-C	PC, UA
Sitta europaea (Nuthatch / Delor y Cnau)	SJ4339	23/04/2011	Steven Davies	1		Tarts Hill	BirdTrack	D1297/025/01	Bern2, LBAP-C	PC
Sparganium emersum (Unbranched Bur-reed / Cleddlys Di-Gainc)	SJ421412	26/08/2012	Bell, K.K.			Penley	Large pond by footpath between Penley Wood and Bryn Wood	D1169/004/02	LBAP-G, LI-49[LS], LI-51[LS], LI-VP-51[LR]	NA
Sparganium emersum (Unbranched Bur-reed / Cleddlys Di-Gainc)	SJ426412	11/09/2014	Bell, K.K.			Bryn Newydd	Large pond W of The Bryn	D1169/004/02	LBAP-G, LI-49[LS], LI-51[LS], LI-VP-51[LR]	NA
Spinus spinus (Siskin / Pila Gwyrdd)	SJ4139 *(Approximate)*	2 records, between 24/01/2009 and 12/02/2021	Anon; Miss Janice Gray	1		Penley Bank House,Maelor South Community	Occurrence ID: NBN-GA000656-BGBW2009-16449882-106817420	D1852/002/01, D1297/047/01	Bern2, LBAP-C	PC, UA
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ4139 *(Approximate)*	12/02/2021	Miss Janice Gray	2		Penley Bank House,Maelor South Community		D1297/047/01	LBAP-C	UA
Triglochin palustre (Marsh Arrowgrass / Saethbennig y Gors)	SJ4340	1970	Bell, K.K.			Lower House	Marshy field N of Lower House Farm, between the footpath and the stream.	D1169/004/02	LI-50[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ4140	01/11/2013	Denbsgroup			Penley Hall		D1169/004/02	LI-52[LS], LI-VP-52[LS]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ4141	1977	Bell, K.K.			Lee's Wood	S end of Lee's Wood.	D1169/004/02	LI-52[LS], LI-VP-52[LS]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ4139	09/06/2015	Jonathan Shanklin			Penley		D1169/004/02	LI-52[LS], LI-VP-52[LS]	NA
Zannichellia palustris (Horned Pondweed / Llynwlyddyn Corniog)	SJ421411	1976	Bell, K.K.			Penley	Pond by footpath between Penley Wood and Bryn Wood.	D1169/004/02	LBAP-G, LI-48[LR], LI-49[LR], LI-50[LR], LI-VP-50[LS]	NA

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Designation List - INNS										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Branta canadensis (Canada Goose / Gwydd Canada)	SJ4339	23/04/2011	Steven Davies	2		Tarts Hill	BirdTrack	D1297/025/01	BDir2.1, Bonn2, GBNNSIP, INNS, WCA9	PC
Cotoneaster simonsii (Himalayan Cotoneaster / Cotoneaster Simons)	SJ4140	01/11/2013	Denbsgroup			Penley Hall		D1169/004/02	GBNNSIP, INNS, WCA9	NA
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	GBNNSIP, INNS, WCA9	NA
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ428404	01/07/2012	Bell, K.K.			Halghton	Naturalised by shaded roadside by pond SE of New Gorse Covert.	D1169/004/02	GBNNSIP, INNS, WCA9	NA
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ4140	01/11/2013	Denbsgroup			Penley Hall		D1169/004/02	GBNNSIP, INNS, WCA9	NA
Elodea canadensis (Canadian Waterweed / Ffugalaw Canada)	SJ4141	1975	Bell, K.K.			Lee's Wood	Pond c250m NE of Cae Howell Wood.	D1169/004/02	GBNNSIP, INNS, WCA9	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Elodea canadensis (Canadian Waterweed / Ffugalaw Canada)	SJ417400	06/10/1996	Ken Allenby		Field record		Ditch wall, vegetated, 1m wide, 0.5m deep, 1.2m banks.	D0969/001/05	GBNNSIP, INNS, WCA9	PC
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ4139	2011	Bell, K.K.			Penley	Lane End, Penley.	D1169/004/02	GBNNSIP, INNS, WCA9	NA
Hyacinthoides non-scripta x hispanica = H. x massartiana	SJ4339	09/06/2015	Jonathan Shanklin			Street Lydan		D1169/004/02	GBNNSIP, INNS	NA
Lemna minuta (Least Duckweed / Llinad Bach)	SJ4240	09/06/2015	Jonathan Shanklin			Dingles Farm		D1169/004/02	GBNNSIP, INNS	NA
Leycesteria formosa (Himalayan Honeysuckle / Bachgen Llwm)	SJ4140	01/11/2013	Denbsgroup			Penley Hall		D1169/004/02	GBNNSIP, INNS	NA
Neovison vison (American Mink / Minc)	SJ417407 *(Estimated (Centroid of Site))*	~ 2005	BASC Recorder (13581740-1)				Shoot Size Range: 0-3km	D0132/001/02	GBNNSIP, INNS, WCA9	UA
Rhododendron ponticum / Rhododendron Wyllt	SJ4140	01/11/2013	Denbsgroup			Penley Hall		D1169/004/02	GBNNSIP, INNS, WCA9	NA

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Sites - 7 records	
Wildlife Sites intersecting 1000m buffer	Penley Wood and Lees Wood (Wrexham W408) (647m), New Gorse Covert (Wrexham W412) **(41m)**
Scheduled Ancient Monuments intersecting 1000m buffer	Penley Hall Moated Site (FL097) (978m)
Listed Buildings intersecting 1000m buffer	The Bryn (1640) (674m), Dymock Arms (1693) (985m), Stryt Lydan (86972) (782m)
Historic Landscapes intersecting 1000m buffer	Maelor **(0m)**

Wildlife Sites

Site Code	Site Name	Link
Wrexham W408	Penley Wood and Lees Wood	More Information
Wrexham W412	New Gorse Covert	More Information

Scheduled Ancient Monuments

Site Code	Site Name	Class	Period	Site Type	Link
FL097	Penley Hall Moated Site	Domestic	Medieval	Moated Site	More Information

Listed Buildings

Site Code	Site Name	Grade	Classification	Link
1640	The Bryn	II*	Domestic	More Information
1693	Dymock Arms	II	Commercial	More Information
86972	Stryt Lydan	II		More Information

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Ancient Woodland				
Habitat	**Distance**	**Area**	**Coverage**	**At Search Location**
Ancient Semi Natural Woodland	271m - 870m	14.044ha	4.472%	No

Phase 1				
Habitat	**Distance**	**Area**	**Coverage**	**At Search Location**
B.4 - Improved Grassland	0m - 919m	265.032ha	84.396%	Yes
J.3.6 - Buildings	320m - 987m	13.257ha	4.221%	No
A.1.3.2 - Plantation Mixed Woodland	585m - 925m	8.207ha	2.613%	No
A.1.2.2 - Plantation Coniferous Woodland	502m - 855m	6.043ha	1.924%	No
A.1.1.2 - Plantation Broad-leaved Woodland	229m - 902m	5.821ha	1.854%	No
J.1.1 - Arable Land	641m - 958m	3.68ha	1.172%	No
G.1 - Standing Water	167m - 968m	1.674ha	0.533%	No
A.1.1.1 - Semi-natural Broad-leaved Woodland	65m - 726m	1.183ha	0.377%	No
B.2.2 - Semi-improved Neutral Grassland	761m - 909m	1.115ha	0.355%	No
J.1.5 - Gardens	649m - 997m	0.566ha	0.18%	No
A.2.1 - Dense/Continuous Scrub	50m - 979m	0.362ha	0.115%	No
J.3.7	638m	0.119ha	0.038%	No
J.4 - Bare Ground	604m	0.095ha	0.03%	No
C.3.1 - Tall Ruderal Other	960m	0.051ha	0.016%	No
N/A	993m	0.023ha	0.007%	No

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Documents - spatially referenced documents found within the search area					
Document Type	**Distance**	**Document ID**	**Title**	**Description**	**Grid Reference**
Consultancy Survey Report	671m	CO/DOC00340	YARDLEY, T., 2014: "EE.037 The Bryn, Halghton, Hanmer, Wrexham. Bat Survey". Enfys Ecology Ltd	Report Ref EE.37.3.14/TY	SJ42944101

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Base mapping provided by the client.

Broad-leaved semi-natural woodland

Dense/ continuous scrub

Individual broad-leaved tree

Scattered scrub

I Improved grassland

PSI Poor semi-improved grassland

Pond
Refer to text

Tall ruderal

Building

Hard_standing/ bare ground

Hedgerow

Stream
Refer to text

Fence

S Badger sett

Badger foraging

Badger dung-pit

Badger path/ breach

Approximate survey site boundary

Target Note

This figure illustrates CONFIDENTIAL information relating to Badgers. It should not be released into the public domain.

C513 Land Adjacent to Bryn Lane, Near Penley, Wrexham - Extended Phase 1 Habitat Survey

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

Date: 04/07/2023

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