

PEA

Preliminary Ecological Appraisal

at

Erddig

Wrexham

LL13 0YT

Prepared for:

The National Trust for Wales



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Oakwood Ecology

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Summary

A general ecological appraisal was commissioned by The National Trust to inform a planning application on land at Erddig. The proposed development involves improvements to the car parking area, namely re-surfacing the parking bays with a cellular confinement system filled with gravel to promote drainage.

This report includes the results of a desk-study, a habitat survey and a survey to assess the presence or likely absence of various protected species. Industry-standard survey methodologies have been followed.

There are three statutorily designated sites within 5km of the development site, two of which are designated for their wetland vegetation and the other for its population of Great Crested Newts. There are 83 historical records of statutorily protected species within 500m.

The habitats on the site include Broadleaved Woodland, Marshy Grassland, Other habitat (car park with tarmac and amenity grassland), Species-rich Hedgerow, and a Wall. The woodland, pond and hedgerows are all listed on Section 7 of the Environment (Wales) Act 2016.

The field survey and an analysis of the historical records showed that the only protected species known or likely to be resident on the site are Great Crested Newt and Grass Snake. Overall the site is judged to have a moderate ecological value in the context of the wider landscape.

The proposed development will not directly impact upon the semi-natural habitats that are likely to harbour the protected species mentioned above, although, in the absence of any mitigation, it is possible that they could be physically harmed during the site clearance and construction phases of the development. Following a discussion with the Senior Species Officer at NRW, a range of recommendations are proposed that will reduce the likelihood of any impact on the ecological value of the site to near-zero, including measures to prevent harm to amphibians and reptiles, to prevent harm to nesting birds, and to reduce the likelihood of harm to any retained trees.

A scheme for collecting records of breeding Great Crested Newts in future years is proposed, and suggestions for ecological enhancement of the site are made.

1 Introduction

1.1 Overview

- 1.1.1 This general ecological appraisal was commissioned by the National Trust to inform a planning application on land at Erddig, Wrexham, LL13 0YT (approximate centroid grid ref. SJ32844819) (**Figures 1 & 2**).
- 1.1.2 The existing car park currently comprises tarmac access roads and grass parking bays over a clay soil substrate. During the winter of 2017/18, this area was flooded for long periods. The proposed development involves re-surfacing the parking bays with a cellular confinement system filled with gravel to promote drainage.



Figure 1. Location map of the proposed development site at Erddig (circled red).

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Figure 2. Site layout at Erddig (development site outlined red).
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1.2 Aims

1.2.1 This appraisal includes the results of a desk study, a Phase 1 habitat survey, and a protected species survey, and follows industry best practice guidelines (CIEEM, 2017). The results of these surveys will be used in the following ways:

- To highlight where further survey information is required;
- To identify any constraints which may affect the development design and implementation;
- To provide a baseline which is used to assess the impact of the proposed development;

- To identify any mitigation measures that may be necessary to protect ecological features of value;
- To identify any opportunities for ecological enhancement on the site.

1.3 Statutory protection

1.3.1 A 'protected species' includes any animal or plant listed as such in the Wildlife and Countryside Act 1981 (Schedules 1, 5 & 8 and supplementary Acts) (W&CA), the Protection of Badgers Act 1992, and the Conservation of Habitats and Species Regulations 2017 (Schedules 2 and 5) (EPS). Amongst other things, this protection covers the killing, injury, disturbance, capture, and sale of the animal species, and extends to the destruction of their resting places or shelters. The nests and eggs of all species of birds are also protected under the W&CA.

1.3.2 In addition, other species and habitats are provided with some protection by the Environment (Wales) Act (2016) (Section 7). These species and habitats are a material consideration in the planning process, which in effect means that they should be preserved and/or enhanced whenever possible.

1.4 Surveyor qualifications

1.4.1 My formal qualifications include an MSc in Biological Recording and a Post-graduate Certificate in Ornithology from Birmingham University. I have attended many short courses on survey techniques, ecological impact assessment and mitigation as part of my programme of Continuing Professional Development; I am licensed to survey Bats and Great Crested Newts in Wales and England (Licence no's 75658:OTH:CSAB:2017 (NRW Bats) and 71444:OTH:SA:2016 (NRW Newts)); and I have been a self-employed Ecological Consultant since 2004, having worked with a wide range of habitats and species.

2 Methodology

2.1 Desk study

2.1.1 The desk study was carried out to identify any designated sites and protected or otherwise notable species in the vicinity of the site that may be affected by the proposed development. The study area covers the development site and extends beyond its boundary (up to 500m from its centre for protected species records, and up to 5km for designated sites and highly mobile species).

2.1.2 The following sources were consulted:

- The local biological records centre (COFNOD)
- The National Biodiversity Network (NBN) Atlas
- MAGIC interactive maps
- NRW designated site search facility

2.2 Phase 1 habitat survey

2.2.1 A Phase 1 habitat survey was carried out using standard techniques and methodologies (JNCC, 2010) and using the botanical nomenclature of Stace (2010). All habitats were classified, recorded and mapped, and all plants were identified to species level where possible using Stace (*ibid.*) and Rose (2006).

2.3 Protected Species Survey

2.3.1 Any field signs of protected animal species observed during the survey are reported in a target note. Bird names are taken from the BOU British List (2013). The species and field signs searched for include:

- Badger (*Meles meles*) – setts (main, annexe, subsidiary or outlier), latrines (dung pits), and tracks, hairs caught on fences, scratch marks, etc;
- Bats (Order Chiroptera) – scratch marks or droppings at likely roosts (trees, buildings or other structures);
- Birds (Class Aves) - note specially-protected species (Schedule 1 of W&CA);
- Dormouse (*Muscardinus avellanarius*) - suitable habitat in woodland, scrub and hedgerows, nests and dormouse-nibbled nuts (Sept – Dec);
- Great Crested Newt (*Triturus cristatus*) - freshwater ponds or terrestrial habitat within 500m;
- Invertebrates (various phyla) – desk study;

- Otter (*Lutra lutra*) - suitable watercourse habitat. Field signs such as holts, spraints, couches, footprints and feeding remains at suitable sites;
- Reptiles (Class Reptilia) - note suitable habitat (heathland, scrub, rough grassland, moorland, sea cliffs and sand dunes), look for basking reptiles and check refugia;
- Water Vole (*Arvicola amphibius*) - note suitable habitat (watercourses). Check for burrows, droppings, runs in vegetation and signs of feeding;
- White-clawed Crayfish (*Austropotamobius pallipes*) - note suitable habitat (watercourses), check refugia (boulders on streambed).

2.3.2 During the survey, the suitability of the habitats for protected animal species was continuously assessed, and all plant species were recorded.

3 Results

3.1 Desk-study

- 3.1.1 There are three statutorily designated sites within 5km of the development site (Figure 3 & Table 1).



Figure 3. Map showing the 5km search radius and the location of designated sites.
(Image courtesy of MAGIC map)

Site name	Designation	Distance from site (approx.)	Notifiable features
Sontley Marsh	SSSI	960m	Wetland habitats (valley mire and fen)
Johnstown Newt Sites & Stryt las a'r Hafod	SAC & SSSI	1800m	Great Crested Newts (and other amphibian species)
Gatewen Marsh	SSSI	2900m	Wetland habitats (valley mire and fen)

Table 1. Designated sites within five kilometres of the site.

- 3.1.2 There are 83 historical records of Category 1 species (which includes species with European and UK Legal Protection, Section 7 Species & UK BAP Priority Species) and 35 Category 2 species (including Red Data Book species, nationally rare and scarce species and red- and amber-listed birds) within 500m. These results are summarised in **Table 2** and can be accessed in full in **Appendix 1**.
- 3.1.3 A distinction is made between species considered to be relatively mobile (those able and likely to move more than 500m in one period) and those that are relatively immobile, because the mobile species are much more likely to utilise the site, even if only infrequently.

	Taxon	No. of records	Closest record (m)	Mobile species (Y/N)
Category 1 species	Badger	1	420m	Y
	Bats	4	70m	Y
	Birds	52	22m	Y
	Brown Hare	1	482m	Y
	Fish	1	480m	N
	Fungi	1	420m	N
	Great Crested Newts	3	45m	N
	Other amphibians	7	0m	N
	Hedgehog	1	168m	Y
	Invertebrates	6	176m	Y
	Polecat	1	278m	Y

	Taxon	No. of records	Closest record (m)	Mobile species (Y/N)
	Reptiles	2	11m	N
	Water Vole	1	322m	N
Category 2 species	Birds	3	420m	Y
	Invertebrates	30	132m	Y
	Plants	2	420	N

Table 2. Summary of the results of the historical records search.

3.1.4 Mobile taxa recorded within the 500m study radius include:

- Badger - occurring throughout the farmed landscape.
- Bats - including records of Pipistrelles and Long-eared bats.
- Birds - a wide variety of species, including gulls, passerines, raptors, waders and wildfowl species.
- Brown Hare (*Lepus europaeus*) - prefers arable and grassland habitats with some cover for resting in.
- Hedgehog (*Erinaceus europaeus*) - prefers woodland/grassland edge or scrub and hedgerows with some cover.
- Invertebrates - with records of beetles, butterflies, a centipede, a caddis fly, moths and true flies.
- Polecat (*Mustela putorius*) - a generalist throughout farmland habitats.

3.1.5 Eight records of Invasive Non-native Species (INNS) have been recorded within 500m of the site, including three of Harlequin Ladybird (*Harmonia axyridis*), two of New Zealand Pigmyweed (*Crassula helmsii*), and one each of Himalayan Balsam (*Impatiens glandulifera*), Rhododendron (*Rhododendron ponticum*), and a Flatworm (*Planaria torva*). None of these species were recorded on the development site; the only INNS recorded within the site was Cherry Laurel.

3.2 Phase 1 habitat survey

3.2.1 The field survey was carried out on the 16th of July 2018, and the distribution of habitats on the site is depicted in **Figure 3**; **Appendix 2** contains a list of species observed during the field survey, and illustrative photographs are presented in **Appendix 3**.



Figure 3. Map of habitats around the proposed development site. The approximate outline of the development site is outlined in red.
(Image courtesy of Google Earth, habitats mapped using QGIS)

3.2.2 The following habitats were recorded:

A1.1.1 *Broadleaved Woodland*

- 3.2.3 The canopy-forming trees in this habitat are a mixture of planted and naturally regenerated species, with exotic species such as Silver Maple (*Acer saccharinum*) and Beech (*Fagus sylvatica*) growing alongside natives such as Crack Willow (*Salix fragilis*) and White Willow (*S. alba*). Structural diversity is high within the woodland, with a dense understorey that also reflects the mixed provenance, including Hawthorn (*Crataegus monogyna*), Elder (*Sambucus nigra*), Sycamore saplings (*Acer pseudoplatanus*), Cherry Laurel (*Prunus laurocerasus*) and Pear cultivars (*Pyrus* cv.).
- 3.2.4 The field and ground layers are sparse, with a patchy carpet of Ivy (*Hedera helix*) and a limited range of occasional herbaceous forbs such as Broad-leaved Helleborine (*Epipactis helleborine*), Lords -and-ladies (*Arum maculatum*), Dog's-mercury (*Mercurialis perennis*) and Wood Avens (*Geum urbanum*). Bryophytes are generally absent.
- 3.2.5 Species diversity is high for such a small area of woodland, but for the same reason, habitat diversity is low. Structural diversity is moderate overall, with a well-developed shrub layer, although standing and fallen deadwood is in short supply, and age diversity is also moderate, with little recruitment from natural regeneration.

B5 *Marsh and marshy grassland*

- 3.2.6 This habitat is dominated by Field Horsetail (*Equisetum arvense*), with a mixture of occasional or rare colourful forbs and grasses, most of which are generalists that are equally at home in drier habitats.

G1.2 *Mesotrophic Standing Water*

- 3.2.7 This man-made pond contains a limited range of aquatic and marginal species, dominated by Bulrush (*Typha latifolia*) but with occasional Water-plantain (*Alisma Plantago-aquatica*), Common Duckweed (*Lemna minor*) and Hard and Jointed Rushes (*Juncus inflexus* and *J. articulatus*). Water levels were relatively low at the time of survey, with a significant draw-down zone exposed, and a relatively diverse range of aquatic invertebrates were observed.

J5 *Car park*

- 3.2.8 Tarmac access roads are interspersed with grassy parking bays in this habitat. The grassland has been re-seeded and is regularly mowed (amenity grassland) and is dominated by a limited range of competitive species such as Perennial Rye-grass (*Lolium perenne*), White Clover (*Trifolium repens*), Greater Plantain (*Plantago major*) and Creeping Buttercup (*Ranunculus repens*). Occasional ornamental trees are scattered across the area, including Apple and Pear cultivars (*Malus* and *Pyrus* cv.),

some hosting the parasitic Mistletoe (*Viscum album*), fruiting Hazel (Cobnut) species and exotic Hawthorn species (*Crataegus* spp.).

- 3.2.9 Around the edges, and grading into the bases of the hedgerows, is a slightly more diverse grassland assemblage that includes a wider range of grasses and forbs which would equate to a species-poor semi-improved grassland in a natural setting.

J2.1.1 Intact Native Species-rich Hedgerow

- 3.2.10 The hedgerows are presumably of planted origin, although most of the woody plants within them are site-native species. Hawthorn is abundant, but also present are smaller amounts of Beech, Blackthorn (*Prunus spinosa*), Damson (*Prunus domestica*), Elder, Holly (*Ilex aquifolium*), Sycamore, Sessile Oak (*Quercus petraea*) and Turkey Oak (*Q. cerris*).
- 3.2.11 Climbing and scrambling species include Bramble (*Rubus fruticosus* agg.) Dog-rose (*Rosa canina* agg.), Ivy, and Traveller's-joy (*Clematis vitalba*). The field layer comprises a range of woodland and woodland-edge species, including Dog's-mercury, Ground-ivy (*Glechoma hederacea*), Pink Campion (*Silene dioica*), Wood Avens, along with a range of more generalist forb and grass species.

J2.5 Wall

- 3.2.12 One occasional epilithic fern was recorded growing on the three-metre-high brick wall that runs along the western and northern boundary of the site: Wall-rue (*Asplenium ruta-muraria*).

3.3 Protected species

Badger

- 3.3.1 No field signs of Badger were observed during this survey, and they are thought not to be resident on the site. The nearest historical records are 420m away, but they are a mobile species and it is possible that they could frequent the site for foraging or commuting purposes. Given the lack of worn paths, this is likely to be on an occasional casual basis at most.

Bats

- 3.3.2 None of the trees on the site had any significant roosting potential, and the same can be said of the wall which had no suitable crevices or larger voids. The semi-natural habitats would constitute moderate quality foraging and commuting habitats, but again, none of them are large enough or of good enough quality to present an irreplaceable resource upon which a particular bat may depend.

Birds

- 3.3.3 An array of common woodland species was observed foraging during the fieldwork, and the woody habitats on-site would present nesting opportunities. No Schedule 1 species were recorded, but winter migrants such as Brambling (*Fringilla montifringilla*), Redwing (*Turdus iliacus*) and Fieldfare (*T. pilaris*) could use the site on a casual, peripatetic basis. Of the four Schedule 1 species recorded historically within 500m (Red Kite (*Milvus milvus*), Barn Owl (*Tyto alba*), Kingfisher (*Alcedo atthis*) and Peregrine (*Falco peregrinus*), none are likely to be resident on the site.

Dormouse

- 3.3.4 No evidence of this species was recorded during the field survey, although the woodland habitat would constitute moderate quality foraging and nesting habitat for them. Connections between the woodland habitat and the wider landscape are tenuous, and it is considered unlikely that this species is present on the site.

Great Crested Newt

- 3.3.5 Great Crested Newts have been recorded in a pond just 45m from the boundary of the proposed development site, and it is likely that they breed in all of the semi-natural ponds that lie within 500m of the site (**Figure 4**). This amounts to a total of seven water bodies; the eighth is the large water feature that is part of the formal gardens adjoining the main house and is highly unsuitable for amphibians, having vertical stone sides, with no aquatic vegetation, and populated as it is by water fowl and large numbers of mature ornamental carp.

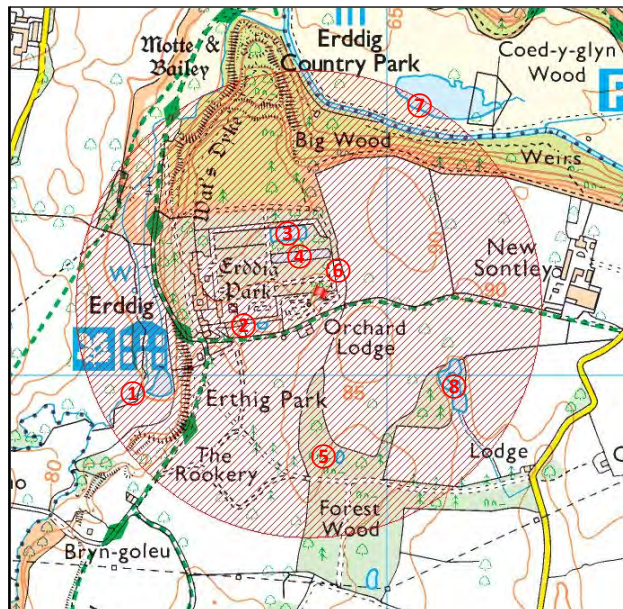


Figure 4. Map showing ponds within 500m buffer around site centroid grid reference.
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- 3.3.6 A focussed survey of the pond on the development site has allowed the calculation of a Habitat Suitability Index (HSI), and this calculation is detailed in **Table 2** below.

Criterion	Assessment	Index
SI1 - Location	Category B	1
SI2 - Pond area	~90m ²	0.7
SI3 - Pond drying	Sometimes dries	1
SI4 - Water quality	Moderate	1
SI4 - Shade	20% of margin	1
SI6 - Fowl	Absent	1
SI7 - Fish	Absent	1
SI8 - Ponds	2 within 1km radius	1
SI9 - Terrestrial habitat	Moderate quality	0.67
SI10 - Macrophytes	20%	0.7
HSI:		0.89

Table 2. HSI assessment of the single pond within the development site boundary at Erddig.

- 3.3.7 The HSI score of 0.89 means that it is highly likely that this pond is used as a breeding pond by Great Crested Newts.

Invertebrates

- 3.3.8 This taxon is very poorly recorded generally, and no specialist surveys have been undertaken on this site. The desk study revealed six records of Category 1 invertebrate species within 500m, although none were observed during this survey. These records are detailed in **Table 3** below.

Species	No. of records	Favoured habitat	Larval foodplants
Wall butterfly (<i>Lasiommata megera</i>)	3	Short grassland with an open or broken sward	Various common grasses
White-letter Hairstreak butterfly (<i>Satyrrium w-album</i>)	1	Woodland edge, hedgerows, scrub and scattered trees	Elms (<i>Ulmus</i> spp.)
Buff Ermine moth (<i>Spilosoma lutea</i>)	1	Gardens, hedgerows, parks and woodland	Various common herbaceous and woody plants
Southern Yellow Splinter crane fly (<i>Lipsothrix nervosa</i>)	1	Seeps in woodland	Water-saturated fallen timber under a woodland canopy

Table 3. Historical records and habitat preferences of Category 1 invertebrate species found within 500m of the development site.

- 3.3.9 Of the species listed above, the Wall butterfly and the Buff Ermine moth could potentially utilise the development site, although in the context of the wider

landscape, none of the habitats on the site are of sufficient importance that the populations of these species would be dependent on them.

Otters

- 3.3.10 There is no riverine habitat suitable for Otters on the site, and the pond does not harbour fish which is the main food of Otters. It is highly unlikely that they would cross the site while commuting, no evidence of their presence was found during the field survey and none have been recorded previously within 500m of the site.

Reptiles

- 3.3.11 The marsh and standing water habitats on the site would be good habitat for Grass Snake (*Natrix natrix*), and two have been recorded historically within 500m of the site. In addition, Tim Farrow observed a Grass Snake on the site on the 25th of July 2018, just as it finished shedding its skin (pers. comm.).

Water Voles

- 3.3.12 There is one historical record of Water Vole within 500m of the site (322m away), and the pond on the site would constitute moderately suitable habitat. However, no evidence of the presence of Water Vole was found during the field survey and they are considered to be absent from the site.

White-clawed Crayfish

- 3.3.13 There is no suitable habitat for White-clawed Crayfish on the site, and no evidence of their presence was found during the field survey.

Plants

- 3.3.14 No protected higher plant species were recorded during the field survey.

Other species

- 3.3.15 Other Category 1 species that have been recorded within the 500m search buffer include Common Toad (*Bufo bufo*), Common Frog (*Rana temporaria*), Smooth Newt (*Lissotriton vulgaris*) and Palmate Newt (*L. helveticus*), all of which could potentially breed in the pond and forage and take refuge in the terrestrial habitats on the site.
- 3.3.16 There are two records of a lichen, *Xanthoria polycarpa*, that was growing on the bark of trees within the 500m search buffer, and one of Bearded Tooth fungus (*Hericium erinaceus*), a saprophytic bracket fungus found growing on a dead Beech stem 420m away from the site boundary.

4 Impact Assessment

- 4.0.1 The principles of this assessment are based on best practice guidelines published by the Chartered Institute of Ecology and Environmental Management (CIEEM, 2016).

4.1 Survey constraints

- 4.1.1 The timing of the field survey, and the extremely dry weather in the preceding two months, meant that some early-flowering herbaceous species may have disappeared.
- 4.1.2 Sightings of protected animals are always unlikely on a one-day survey, irrespective of the season, due to their cryptic habits. The presence of field signs is taken as a reliable proxy.

4.2 Ecological value of the site

- 4.2.1 The site is not designated, nor is it contiguous with any designated sites. The two SSSI's designated for their wetland vegetation will certainly not be affected by the development proposals, and it is extremely unlikely that the population of Great Crested Newt on the Johnstown Newt Sites SAC will be affected because it is 1800m away and there is a major barrier to the movement of newts in that direction in the form of a busy dual carriageway (the A483).
- 4.2.2 The Broadleaved Woodland habitat, despite the exotic species within it, would qualify as Lowland Mixed deciduous Woodland as listed under Section 7 of the Environment (Wales) Act 2016. The hedgerows and pond would also qualify under this Schedule, and all of these habitats are consequently of national value, although they are not rare in the immediately surrounding landscape.
- 4.2.3 With regard to protected species, it is concluded that Badger, bats, Schedule 1-listed birds, Dormouse, Otters, Water Voles and White-clawed Crayfish are not resident within the proposed development site, and no protected higher plant species are present.
- 4.2.4 Great Crested Newts are likely to breed in the pond on the site, and to forage, commute and take refuge within the terrestrial habitats on the site, and this species is of European value. Grass Snake are also known to inhabit the site and are of national value.
- 4.2.5 Of the mobile Priority species recorded historically within 5km of the site, it is possible that Badger, bats, Schedule 1 birds and Category 1 invertebrates could utilise the site, but probably only on a casual basis for occasional opportunistic foraging or commuting and dispersal. It is also probable that common bird species would breed within this habitat.

- 4.2.6 Given the presence of the Section 7 habitats and the possibility that it harbours the Category 1 species outlined above, and considering the context of the surrounding landscape, the site as a whole is assigned a moderate ecological value.

4.3 Broad impact assessment

- 4.3.1 To reiterate, the proposed development involves the re-surfacing of the parking bays in the car park with a cellular confinement system filled with gravel to promote drainage. The potential impacts outlined below comprise those felt in both the short- and long-term, including any residual impacts that may continue to be felt after the development has been completed. All of the impacts are envisaged as worst-case-scenarios with no mitigation measures in place.
- 4.3.2 The direct impacts will certainly include:
- The permanent loss of approximately 0.5 hectares of Amenity Grassland (mapped within J5 Car Park on **Figure 3**) that is currently used to park cars on;
 - The permanent loss of approximately 50m of Intact Species-rich Hedgerow;
- 4.3.3 Two other direct impact could potentially include:
- Physical injury to statutorily protected species (Great Crested Newts and Grass Snakes) from mechanised landscaping works if those species cross the development site when works are underway;
 - Damage to the roots of any retained trees around the perimeter of the construction site (including scattered trees within the car park, and trees in the Woodland and Hedgerow habitats).
- 4.3.4 There will be no direct impact on the Marsh or Mesotrophic Standing Water habitats, and no other indirect or residual impacts are envisaged. The site is already a very busy tourist attraction with a great deal of vehicular and pedestrian traffic, and there will be no significant increase in this traffic or artificial lighting as a result of this development over and above what is already experienced.
- 4.3.5 The impacts outlined above are moderate negative impacts at a site level but are negligible in the context of the wider countryside.

5 Conclusions and recommendations

5.1 General

- 5.1.1 The site and its immediate surroundings does include habitats and species that are of high ecological value, although the only habitats that will be directly affected are of low value. The impact of the proposed development will be negligible at a landscape scale.

5.2 Recommendations for further surveys

- 5.2.1 No further survey work is required. The surveys undertaken to date are proportionate to the development and allow the usage of the site by protected species to be described adequately.

5.3 Recommendations for mitigation

- 5.3.1 The principle of mitigation in the broad sense involves a hierarchy of desirable outcomes designed to maintain or promote the conservation status of the species concerned, as follows:
- Avoidance – can the development be designed so that there will be no negative impacts?
 - Mitigation – can the development be designed to reduce the negative impacts?
 - Compensation – can the unavoidable impacts be compensated for?
 - Enhancement - in seeking to leave the environment in a better state than before (in the spirit of the Environment (Wales) Act 2016, a net gain in biodiversity should be the objective.

Avoidance

- 5.3.2 In this case, avoidance by way of using another site is not possible as the development is designed to improve a facility (the car park) that is already in place.
- 5.3.3 Given the scale of the development, and following a discussion with the Senior Species Officer at Natural Resources Wales (NRW), it has been decided that the most proportionate approach would be to adopt working methods that would reduce the probability of causing harm to protected species to near-zero.

Mitigation for Great Crested Newts and reptiles

- The construction site will not impinge on habitats or features that could be used by Great Crested Newts or reptiles for hibernation, all groundworks will be restricted to the hibernation period, i.e., between December and February, and the duration of all groundworks will be kept as short as possible

- A suitably experienced and licensed ecologist will inspect the site before any excavation (soil stripping) or ground-works are undertaken. The ecologist will carry out a hand search of any materials/areas which have any potential to support Great Crested Newts.
- During the site clearance and construction phases of the development, all works will cease outside daylight hours (from 15 minutes before sunset to 15 minutes sunrise).
- Before any other site clearance takes place, all hedgerow vegetation scheduled for removal will be carried out in two phases: the first phase will reduce the height to approximately 150mm and, three days later, the second phase will remove the stumps. This should allow the animals to voluntarily leave the site.
- The working areas will be kept clear of any rubble or materials that could act as a refuge for amphibians or reptiles. After each working day all stored material (such as bricks, blocks and timber) will be kept off the ground (using baulks of timber) in skips or bins.
- All excavations deeper than 10cm will be covered by plywood sheeting or similar at the end of each day. The edges of the sheets will be covered with a layer of fine gravel or topsoil to prevent reptiles and amphibians seeking shelter under them.
- All ground excavations will be in-filled and made good to ground level at the earliest opportunity (within 24 hours if possible) to remove and reduce any hazard to reptiles and amphibians.
- If any reptiles or Great Crested Newt are found on the site during the development all works must cease and further advice must be sought from a suitably experienced ecologist and/or NRW. In the unlikely event that a Great Crested Newt is found, it may be necessary to stop works until such time as an EPS license has been obtained. A license may take some months to obtain and any potential delays should be kept in mind when issuing any construction contracts.
- A site log will be kept to ensure that these measures are followed, and this will include information on the dates and measures implemented and who implemented them.
- National Trust personnel will receive sufficient training so that, in future years, torch surveys can be undertaken by suitably licensed persons to count the breeding Great Crested Newts in Ponds 2,3 & 6 (as shown on **Figure 3**). These records will be entered onto the online recording system run by COFNOD (the local biological records centre).

Protection of breeding birds

- During site clearance and construction, due care and attention will be paid to nesting birds. Either site clearance will be carried out outside the bird nesting season (which runs from March to July inclusive), or the absence of breeding birds in the construction zone will be confirmed by a suitably qualified person immediately prior to the commencement of works.

Protection of retained trees

- If possible, exclude all site traffic (vehicular and pedestrian) and works from the Root Protection Area's (RPA's) of retained trees. This exclusion will be achieved by the erection of barriers, which should be fit for purpose and maintained upright and complete (chestnut paling or Heras fencing is often used). This will effectively establish a Construction Exclusion Zone (CEZ) which will not be used to stockpile materials and store machinery during the development.
- The exact layout of the CEZ will vary depending on which trees are retained, but, as a minimum requirement, it will always cover the RPA's of any retained trees.
- If the passage of some site traffic over the RPA's cannot be avoided, ground protection will be installed as follows:
 - i) pedestrian traffic - a single thickness of scaffold planks on top of a compressible layer laid onto a geotextile;
 - ii) vehicular traffic - the ground protection will consist of a geo-cellular confinement system in-filled with graded (20-40mm) aggregate. Where the route would cover more than 20% of an RPA, or be wider than 3m within it, it will be constructed so as to allow moisture infiltration and gaseous diffusion.
- Ground levels will not be lowered within the RPA. If levels must be raised, the fill will be a granular material that does not inhibit vertical gaseous diffusion.
- New impermeable surfaces within the RPA will be restricted to a maximum width of 3m and situated tangentially to one side of a tree only or confined to an area no greater than 20% of the RPA, whichever is the smaller.
- Excess water in the RPA will be avoided. Any adjacent landscaping works, although outside the CEZ, will promote drainage away from the trees to prevent ponding and water-logging.
- Any excavations which must be undertaken within the RPA should be carried out carefully by hand or by using an air-spade, along the shortest distance across the relevant RPA. While exposed, large roots will be wrapped in dry, clean hessian sacking. Roots smaller than 25mm diameter may be pruned back, preferably to a side branch, using a sharp cutting tool such as secateurs, loppers or a handsaw.

Roots larger than 25mm should only be severed following consultation with an arboriculturist. Prior to backfilling, any hessian wrapping should be removed, and retained roots should be surrounded by sharp sand (not builder's sand) before soil or other material is replaced. This material should be free of contaminants and other foreign objects potentially injurious to tree roots.

- If hard standing within the RPA does need to be removed using an excavator, park the excavator outside the RPA and reach in with the hydraulic arm, keeping the weight of the machine outside the RPA.

Recommendations for enhancement

- If the new parking bays are to be covered with turf, choose a flowering lawn sward that will provide food for invertebrates.
- Initiate a more wildlife-friendly management plan for the existing and any newly-planted hedgerows on the site, allowing the trees to grow up and produce fruit and seeds.
- Consideration should be given to the integration of wildlife-friendly features in the final design, such as the planting of native hedges and trees, the free movement of nocturnal mammals around the site (e.g., between gardens via holes in fences), and the provision of food sources, nesting and roosting opportunities for birds, bats and other wild animals in trees and on the wall.
- All external artificial lighting should be installed at as low a height, intensity and spacing as practicable; the light should be directed towards the ground and away from the woodland along the boundary by cowling; it should be triggered by movement-sensitive Passive Infra-Red (PIR) sensors. 'Warm white' (long-wavelength) bulbs with reduced UV output should be used, blue/white bulbs should be avoided. There should be no external lighting that is permanently left on.

Unavoidable residual impacts

- 5.3.4 If all of the recommendations given above are implemented effectively and in full, there should be no residual ecological impacts arising from the proposed development.

6 References

British Ornithologists' Union (2010) 'The British List.'

<http://www.bou.org.uk/thebritishlist/British-List-2010.pdf>

CIEEM (2016) 'Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater and Coastal.' (2nd Edition) Chartered Institute of Ecology and Environmental Management, Winchester.

CIEEM (2017) Guidelines for Preliminary Ecological Appraisal, 2nd edition. Chartered Institute of Ecology and Environmental Management, Winchester.

JNCC (2010) 'Handbook for Phase 1 habitat survey'. Joint Nature Conservation Committee, Peterborough.

Rose, F. (2006) 'The wild flower key'. Penguin Group, London.

Stace, C.A. (2010) 'New Flora of the British Isles.' 3rd Edition, Cambridge University Press, Cambridge.

Appendix 1:
Historical records
(see accompanying PDF)

Cofnod Environmental Information Search (PUBLIC VERSION)

Our Reference	E06604
Your Reference	Erddig car park
Requested By	Oakwood Ecology
Data Users	Simon Cope, Ecological Consultant, Oakwood Ecology Planning ecologist, Wrexham County Borough Council Species Officer, Natural Resources Wales Relevant personnel at Erdigg, the National Trust
Search Date	17/07/2018
Expiry Date	17/01/2019
Search Type	Chargeable

Important Issues

- Use of the data is governed by Cofnod's [Terms & Conditions](#).
- Data marked as confidential or sensitive must not be released into the public domain, with the exception of the Public Version of the PDF report, which has had sensitive information removed or restricted.
- You should not amend any part of the downloaded records.
- Unless otherwise agreed, use of the data is valid until the Expiry Date (17/01/2019).
- The data was generated on the Search Date (17/07/2018) and is not live.
- The Dataset ID associated with each record can be used to find information about the provenance of the data. See the [Data We Hold](#) page on our website for more information.
- Verification Levels are given for each record. For further information see our Data Quality Policy, available from our [website](#).
- Please [contact us](#) if you have any questions about using the data or wish to add further Data Users.

Notes

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

Data Description

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

Abbreviations

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

Contact Us

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Search Location	Grid Reference
Erddig car park	SJ3284848170

Bees, Wasps, Ants and Sawflies										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Andrena (Andrena) apicata</i> (Large Sallow Mining Bee)	SJ338476	25/03/1991	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Crossocerus (Cuphopterus) binotatus</i>	SJ335484	2 records, between 07/07/1993 and 15/07/1994	Recorder Name Withheld	1 Adult		Big wood Erddig	Method: Netted	D1650/001/02	RD2(UK)NB	4
<i>Ectemnius (Clytochrysus) sexcinctus</i>	SJ339480	31/07/2007	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3

Birds										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Acanthis cabaret</i> (Lesser Redpoll / Llinos Bengoch Leiaf)	SJ3348	5 records, between 06/03/2006 and 20/03/2009	Recorder Name Withheld	3; 1 Male; 8; 1		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D0062/001/01	S7, UKBR, WBR, LBAP[CON, DEN]	1
<i>Acanthis cabaret</i> (Lesser Redpoll / Llinos Bengoch Leiaf)	SJ3349	7 records, between 12/02/2011 and 09/04/2016	Recorder Name Withheld	1 Male; 8; 1; 2; 4; 6+		Wrexham, Centre, S	Comments Withheld; Seven on next doors Silver Birch Tree plus 1 male on our sunflower heart feeder.; 2 males 2 females on sunflower heart feeder	D0062/003/01 , D1297/020/01 , D1297/021/01	S7, UKBR, WBR, LBAP[CON, DEN]	3
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ325485 (GPS Reading)	20/11/2017	Recorder Name Withheld	5		Wrexham	Woodland erddig	D1117/001/01	WBA	1
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3248	6 records, between 10/12/2012 and 23/10/2016	Recorder Name Withheld	5; 14		Erddig estate	Comments Withheld	D1297/021/01 , D0062/005/01	WBA	1
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3348	36 records, between 07/10/2004 and 29/12/2016	Recorder Name Withheld	4; 1; 20+; 50+; 30+; 20; 5; 18; 12; 3; 2; 6; 8; 15		Wrexham, Erddig, pool	Comments Withheld	D0062/003/01 , D0062/001/01 , D1297/021/01 , D0062/006/01 , D0062/005/01 , D1297/002/01 , D1297/020/01 , D1297/012/01	WBA	3
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3247	2 records, between 10/03/2016 and 21/08/2016	Recorder Name Withheld	2		Sontley Hall Farm	Breeding status - pair in suitable nesting habitat	D1297/021/01	WBA	1
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3347	27/06/2009	Recorder Name Withheld	1		Sontley, N	Comments Withheld	D0062/001/01	WBA	3
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3249	7 records, between 13/03/2009 and 26/12/2016	Recorder Name Withheld	5; 8; 4; 7		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D1297/021/01	WBA	3
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SJ3349	15 records, between 27/01/2007 and 31/12/2015	Recorder Name Withheld	2; 6; 3; 4; 7; 15		Wrexham, centre, S	Comments Withheld; On our fat ball feeder	D0062/001/01 , D0062/003/01 , D0062/005/01 , D1297/002/01 , D1297/020/01	WBA	3
<i>Aix galericulata</i> (Mandarin Duck / Hwyaeden Gribog)	SJ3348	15 records, between 22/11/2004 and 24/12/2016	Recorder Name Withheld	2 Pair; 1 Female; 1 Male; 2 Male; 1; 2		Wrexham, Erddig, pool	Comments Withheld; Breeding status: Pair in suitable nesting habitat; Male	D0062/001/01 , D0062/003/01 , D1297/021/01	INNS, WCA9	3
<i>Alcedo atthis</i> (Kingfisher / Glas y Dorlan)	SJ330484	24/07/1997	Recorder Name Withheld			Erddig Estate		D0229/002/01	BDir1, Bern, UKBA, WBA, WCA1.1, LBAP[CON, DEN, FLI, GWY]	1
<i>Alcedo atthis</i> (Kingfisher / Glas y Dorlan)	SJ3248	2 records, between 02/10/2016 and 23/10/2016	Recorder Name Withheld	1		Erddig hall		D1297/021/01	BDir1, Bern, UKBA, WBA, WCA1.1, LBAP[CON, DEN, FLI, GWY]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Alcedo atthis</i> (Kingfisher / Glas y Dorlan)	SJ3348	14 records, between 07/03/2007 and 29/12/2016	Recorder Name Withheld	1		Wrexham, Erddig, pool	Comments Withheld	D1297/020/01 , D1297/002/01 , D0062/001/01 , D0062/003/01 , D0062/006/01 , D0062/005/01 , D1297/021/01	BDir1, Bern, UKBA, WBA, WCA1.1, LBAP[CON, DEN, FLI, GWY]	1
<i>Alcedo atthis</i> (Kingfisher / Glas y Dorlan)	SJ34	13/05/2007	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0062/001/01	BDir1, Bern, UKBA, WBA, WCA1.1, LBAP[CON, DEN, FLI, GWY]	3
<i>Anas clypeata</i> (Shoveler / Hwyaeden Lydanbig)	SJ331485 (Selected from Interactive Map)	24/02/2017	Recorder Name Withheld	1 Adult Male		Wrexham	Erddig lake	D1117/001/01	BDir2.1, CITES, UKBA, WBA, LBAP[ANG, CON, GWY]	1
<i>Anas clypeata</i> (Shoveler / Hwyaeden Lydanbig)	SJ3348	17 records, between 20/02/2010 and 06/04/2010	Recorder Name Withheld	2 Female; 2 Male; 3 Male; 5; 1 Female; 1 Male		Wrexham, Erddig, pool	Comments Withheld	D0062/003/01	BDir2.1, CITES, UKBA, WBA, LBAP[ANG, CON, GWY]	3
<i>Anas crecca</i> (Teal / Corhwyaden)	SJ3348	19 records, between 14/02/2004 and 27/02/2010	Recorder Name Withheld	6; 11; 1 Male; 1 Female; 2 Male; 4 Male; 4 Female; 2 Female; 3 Male		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01 , D0062/003/01	BDir2.1, CITES, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Anas penelope</i> (Wigeon / Chwiwell)	SJ34	5 records, between 07/09/2004 and 14/09/2009	Recorder Name Withheld	5 Male; 3 Male; 2 Female; 2 Male; 2		Site Name Withheld	Comments Withheld	D0062/001/01	BDir2.1, CITES, UKBA, WBA, LBAP[CON, GWY]	3
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ328482	10/10/2013	Recorder Name Withheld	18		Erddig		D1297/012/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ327482	25/09/2005	Recorder Name Withheld	Present		Erddig Country Park, Wrexham	Seen in good numbers within the garden walls & by the Orchard.	D0969/001/04	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ32704823	25/09/2005	Recorder Name Withheld	Present		Erddig Country Park, Wrexham	Seen in good numbers within the garden walls & by the Orchard.	D0969/001/04	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ326481 (Supplied by Original Recorder)	28/05/2015	Recorder Name Withheld	7		Erddig Hall and Park	Glasshouse area	D1652/001/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ327483 (Supplied by Original Recorder)	02/04/2015	Recorder Name Withheld	4		Erddig Hall and Park	Garden lake	D1652/001/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ3248	16 records, between 18/02/2007 and 13/11/2016	Recorder Name Withheld	1+; 2; 8; 6		Wrexham, Erddig, Park	BirdTrack; Breeding status: Suitable habitat	D1297/002/01 , D1297/021/01 , D1297/012/01 , D1297/005/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ3348	76 records, between 16/10/2005 and 26/12/2016	Recorder Name Withheld	1; 6; 8 Female; 8 Male; 50; 29; 10; 2 Female; 2 Male; 6 Male; 6 Female; 5 Female; 1 Female; 1 Male; 60+; 3 Male; 3 Female; 5 Male; 15+; 26; 43; 40+; 22; 30+; 13; 4 Male; 5; 11; 2; 4; 8; 9; 23; 12; 7; ...		Wrexham, Erddig, pool	Comments Withheld; Breeding status: Pair in suitable nesting habitat; Breeding status: Recently fledged young	D1297/002/01 , D0062/003/01 , D0062/001/01 , D0062/005/01 , D0062/006/01 , D1297/021/01 , D1297/020/01 , D1297/012/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ3247	2 records, between 27/06/2009 and 24/04/2016	Recorder Name Withheld	2		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01 , D1297/021/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Anas platyrhynchos</i> (Mallard / Hwyaeden Wylt)	SJ3349	2 records, between 14/02/2008 and 17/06/2009	Recorder Name Withheld	5; 1+		Wrexham, centre, S		D1297/002/01	BDir2.1, UKBA, WBA, LBAP[CON, GWY]	1
<i>Anthus pratensis</i> (Meadow Pipit / Corhedydd y Waun)	SJ3348	21/12/2009	Recorder Name Withheld	2		Wrexham, Erddig, pool		D1297/002/01	Bern, UKBA, WBA, LBAP[CON]	1
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3248	4 records, between 10/08/2008 and 12/07/2016	Recorder Name Withheld	2; 1+		Wrexham, Erddig, Park	Comments Withheld; Breeding status: Suitable habitat; BirdTrack	D0062/001/01 , D1297/012/01 , D1297/005/01 , D1297/021/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3348	6 records, between 01/06/2014 and 23/07/2016	Recorder Name Withheld	2		Wrexham, Erddig, pool	Comments Withheld	D0062/005/01 , D1297/021/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3247	27/06/2009	Recorder Name Withheld	1		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3347	2 records, between 27/06/2009 and 19/06/2016	Recorder Name Withheld	20		Sontley, N	Comments Withheld	D0062/001/01 , D1297/021/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3249	7 records, between 24/04/2007 and 23/07/2016	Recorder Name Withheld	5; 6; 2; 3		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D0062/003/01 , D1297/021/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3148	27/06/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3349	5 records, between 23/07/2011 and 02/05/2016	Recorder Name Withheld	1+; 20+; 1; 4		Wrexham, Centre, S	Comments Withheld	D0062/003/01 , D0062/005/01 , D1297/021/01 , D1297/012/01	UKBA, WBA	3
<i>Apus apus</i> (Swift / Gwennol Ddu)	SJ3147	27/06/2009	Recorder Name Withheld	20		Wrexham, Rhostyllen, S	Comments Withheld	D0062/001/01	UKBA, WBA	3
<i>Aythya ferina</i> (Pochard / Hwyaeden Bengoch)	SJ34	04/04/2007	Recorder Name Withheld	2 Male		Site Name Withheld	Comments Withheld	D0062/001/01	BDir2.1, UKBR, WBR, LBAP[CON]	3
<i>Aythya fuligula</i> (Tufted Duck / Hwyaeden Gopog)	SJ3248	3 records, between 18/02/2007 and 06/03/2011	Recorder Name Withheld	1; 15; 2		Wrexham, Erddig, Park	Comments Withheld; BirdTrack	D0062/001/01 , D1297/002/01 , D1297/005/01	BDir2.1, WBA, LBAP[CON]	3
<i>Aythya fuligula</i> (Tufted Duck / Hwyaeden Gopog)	SJ3348	122 records, between 24/02/2004 and 08/05/2016	Recorder Name Withheld	8; 3 Male; 4 Female; 4 Male; 2 Female; 2 Male; 5 Male; 1 Male; 3 Female; 5 Female; 8 Male; 1 Female; 7; 4 Juvenile; 11; 13 Male; 10 Male; 7 Male; 6; 3; 2; 6 Female; 6 Male; 1		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D0062/001/01 , D0062/003/01 , D0062/005/01 , D1297/021/01	BDir2.1, WBA, LBAP[CON]	1
<i>Aythya fuligula</i> (Tufted Duck / Hwyaeden Gopog)	SJ3349	14/02/2008	Recorder Name Withheld	11+		Wrexham, centre, S		D1297/002/01	BDir2.1, WBA, LBAP[CON]	1
<i>Branta canadensis</i> (Canada Goose / Gwydd Canada)	SJ3248	2 records, between 22/05/2011 and 03/04/2016	Recorder Name Withheld	4		Erddig hall	BirdTrack	D1297/021/01 , D1297/005/01	BDir2.1, INNS, WCA9	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Branta canadensis</i> (Canada Goose / Gwydd Canada)	SJ3348	3 records, between 27/03/2012 and 30/04/2016	Recorder Name Withheld	2		Wrexham, Erddig, pool	Comments Withheld	D0062/006/01 , D0062/005/01	BDir2.1, INNS, WCA9	3
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ328483 (GPS Reading)	20/11/2017	Recorder Name Withheld	1		Wrexham	Foot paddling pasture field erddig	D1117/001/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ331485	06/12/2012	Recorder Name Withheld	20		Lake in Erddig Park, Denbighshire	field record	D0969/001/04	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ330486 (GPS Reading)	20/11/2017	Recorder Name Withheld	200+		Wrexham	Erddig lake	D1117/001/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ3248	3 records, between 25/10/2013 and 12/07/2016	Recorder Name Withheld	24; 30		Wrexham Erddig, Park		D1297/021/01 , D1297/012/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ3348	58 records, between 25/01/2004 and 29/12/2016	Recorder Name Withheld	200+; 5; c30; 2; 54; 106; 35; 99; 65; 9; 100+; 60+; 180+; 30+; 20; 20+; 40; 12; 6; 40+; c80; 52; 80; 27; 75; 138; 43; 28; 10; 15; 7; 42; 50+; 45; 50; 55; 62; 58; 1		Wrexham, Erddig, pool	Comments Withheld	D1297/020/01 , D1297/012/01 , D1297/002/01 , D0062/001/01 , D0062/003/01 , D0062/005/01 , D1297/021/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ3347	4 records, between 21/02/2016 and 27/11/2016	Recorder Name Withheld	30		Sontley road bends		D1297/021/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ3249	4 records, between 10/12/2008 and 26/12/2016	Recorder Name Withheld	20; 2		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D1297/021/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	3
<i>Chroicocephalus ridibundus</i> (Black-headed Gull / Gwylan Benddu)	SJ3349	22/11/2009	Recorder Name Withheld	40		Wrexham, centre, S		D1297/002/01	BDir2.2, S7, UKBA, WBR, LBAP[GWY]	1
<i>Cinclus cinclus</i> (Dipper / Bronwen y Dwr)	SJ324483 (Selected from Interactive Map)	25/11/2014	Recorder Name Withheld	2 Adult		Erddig National Trust Estate		D1117/001/01	Bern, UKBA, WBA, LBAP[CON]	1
<i>Cinclus cinclus</i> (Dipper / Bronwen y Dwr)	SJ3248	12 records, between 03/01/2010 and 27/11/2016	Recorder Name Withheld	1; 2		Erddig estate	Comments Withheld; Breeding status - pair in suitable nesting habitat	D1297/021/01 , D0062/003/01	Bern, UKBA, WBA, LBAP[CON]	1
<i>Cinclus cinclus</i> (Dipper / Bronwen y Dwr)	SJ3348	66 records, between 21/03/2004 and 29/12/2016	Recorder Name Withheld	1 Juvenile; 1; 2; 1 Female; 1 Male		Wrexham, Erddig, pool	Comments Withheld; Breeding status - Visiting probable nest site	D0062/001/01 , D1297/021/01 , D0062/005/01 , D0062/003/01 , D1297/002/01 , D1297/020/01 , D1297/012/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Cinclus cinclus</i> (Dipper / Bronwen y Dwr)	SJ3249	26/12/2010	Recorder Name Withheld	1		Wrexham, Felin Puleston	Comments Withheld	D0062/003/01	Bern, UKBA, WBA, LBAP[CON]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Cinclus cinclus</i> (Dipper / Bronwen y Dwr)	SJ3349	3 records, between 13/05/2007 and 14/08/2011	Recorder Name Withheld	2; 1		Wrexham, centre, S	Comments Withheld; BirdTrack Poss juv; Birdtrack:. Breeding code: H	D0062/001/01 , D1297/005/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Cuculus canorus</i> (Cuckoo / Cog)	SJ3349	29/06/2013	Recorder Name Withheld			Wrexham		D1297/012/01	S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	1
<i>Cygnus olor</i> (Mute Swan / Alarch Dof)	SJ331485	06/12/2012	Recorder Name Withheld	2		Lake in Erddig Park, Denbighshire	field record	D0969/001/04	BDir2.2, UKBA, WBA, LBAP[CON]	1
<i>Cygnus olor</i> (Mute Swan / Alarch Dof)	SJ3248	7 records, between 10/09/1995 and 23/04/2016	Recorder Name Withheld	1; 2; 5; 4		Wrexham, Erddig, Park	Comments Withheld; Breeding status: Occupied nest; BirdTrack	D0062/001/01 , D1297/012/01 , D1297/005/01 , D1509/002/01 , D1297/021/01	BDir2.2, UKBA, WBA, LBAP[CON]	3
<i>Cygnus olor</i> (Mute Swan / Alarch Dof)	SJ3348	112 records, between 20/06/2004 and 29/12/2016	Recorder Name Withheld	2; 1 Adult; 3 Juvenile; 2 Adult; 7 Juvenile; 200; 1; 6 Juvenile; 5; 5 Juvenile; 6; 2 Juvenile; 4 Juvenile; 1 Juvenile; 3		Wrexham, Erddig, pool	Comments Withheld; Breeding status: Occupied nest; Breeding status: Recently fledged young; Adult on nest, Erdigg Pool. Breeding status: Occupied nest	D1297/002/01 , D0062/003/01 , D0062/001/01 , D0062/005/01 , D0062/006/01 , D1297/021/01 , D1297/020/01 , D1297/012/01	BDir2.2, UKBA, WBA, LBAP[CON]	1
<i>Cygnus olor</i> (Mute Swan / Alarch Dof)	SJ3349	6 records, between 14/02/2008 and 14/08/2011	Recorder Name Withheld	2; 3; 6; 1+		Wrexham, centre, S	BirdTrack Pair feeding 4 cygnets; BirdTrack Pair with 4 young still; Birdtrack:. Breeding code: P	D1297/002/01 , D1297/005/01	BDir2.2, UKBA, WBA, LBAP[CON]	1
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ3248	4 records, between 01/06/2013 and 21/08/2016	Recorder Name Withheld	1; 20+		Erddig		D1297/012/01 , D1297/021/01	Bern, UKBA, WBA, LBAP[CON]	1
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ3348	9 records, between 25/04/2007 and 07/08/2016	Recorder Name Withheld	1; 30; 2; 2+		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01 , D0062/003/01 , D1297/021/01 , D0062/005/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ3247	3 records, between 02/06/2010 and 21/08/2016	Recorder Name Withheld	4		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/003/01 , D1297/021/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ3347	2 records, between 27/06/2009 and 27/04/2011	Recorder Name Withheld	1+; 1		Sontley, N	Comments Withheld	D0062/003/01 , D0062/001/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ3249	23/05/2009	Recorder Name Withheld	6		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01	Bern, UKBA, WBA, LBAP[CON]	3
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SJ3349	22 records, between 16/05/2007 and 15/09/2016	Recorder Name Withheld	3; 12; 20+; 4; 2; 5; 8; 6+; 1; 20; 6; 5+; 2+		Wrexham, centre, S	Comments Withheld; BirdTrack Flying around houses in Hightown, Wrexham; Birdtrack:. Breeding code: M; Still a few House Martins around our housing estate.; Last sighting of House Martins over our housing estate this year.	D0062/001/01 , D0062/003/01 , D1297/021/01 , D0062/005/01 , D1297/002/01 , D1297/005/01 , D1297/012/01 , D1297/020/01	Bern, UKBA, WBA, LBAP[CON]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Dendrocopos minor</i> (Lesser Spotted Woodpecker / Cnocell Fraith Leiaf)	SJ3248	14/10/2013	Recorder Name Withheld	1 Female		Wrexham, Erddig, Park	Comments Withheld	D0062/005/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Dendrocopos minor</i> (Lesser Spotted Woodpecker / Cnocell Fraith Leiaf)	SJ3247	2 records, between 21/04/2006 and 28/04/2006	Recorder Name Withheld	1		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Emberiza citrinella</i> (Yellowhammer / Bras Melyn)	SJ3247	11/04/2009	Recorder Name Withheld	1 Male		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	Bern, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ331486 (GPS Reading)	29/03/2018	Recorder Name Withheld	1 Adult Male		Wrexham	Singing from top of samll bush erddig lake	D1117/001/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	1
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ337479 (GPS Reading)	06/09/2017	Recorder Name Withheld	2		Wrexham	Perched in field hedge by stubble field	D1117/001/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	1
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ3348	77 records, between 24/05/2004 and 11/09/2016	Recorder Name Withheld	2; 1; 4; 3; 1 Male; 2 Male; 8; 3 Male; 3+ Male; 2 Female; 1 Female; 4 Male; 1 Juvenile; 1+; 2+		Wrexham, Erddig, pool	Breeding status: Singing male; BTO Breeding Status: S; Comments Withheld; Breeding status - Singing male	D1297/002/01 , D1297/012/01 , D1297/020/01 , D0062/003/01 , D0062/001/01 , D0062/005/01 , D0062/006/01 , D1297/021/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	1
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ3347	2 records, between 13/11/2016 and 27/11/2016	Recorder Name Withheld	4; 5		Sontley road bends		D1297/021/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	1
<i>Emberiza schoeniclus</i> (Reed Bunting / Bras y Cyrs)	SJ3349	6 records, between 13/05/2007 and 14/08/2011	Recorder Name Withheld	1 Male; 2 Male; 8; 2		Wrexham, centre, S	Comments Withheld; BirdTrack Still a few to be seen (not heard)	D0062/001/01 , D0062/003/01 , D1297/002/01 , D1297/005/01	Bern, S7, UKBA, WBA, LBAP[CON, DEN, FLI, GWY]	3
<i>Falco peregrinus</i> (Peregrine / Hebog Tramor)	SJ34	2 records, both on 12/08/2007	Recorder Name Withheld	1 Juvenile; 1 Adult		Site Name Withheld	Comments Withheld	D0062/001/01	BDir1, Bern, CITES, WCA1.1, LBAP[ANG, CON, GWY]	3
<i>Falco peregrinus</i> (Peregrine / Hebog Tramor)	SJ34	19/06/2016	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1297/021/01	BDir1, Bern, CITES, WCA1.1, LBAP[ANG, CON, GWY]	1
<i>Falco subbuteo</i> (Hobby / Hebog yr Ehedydd)	SJ34	13/05/2007	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0062/001/01	Bern, CITES, WBA, WCA1.1, LBAP[CON, GWY]	3
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3248	26/12/2004	Recorder Name Withheld	1		Wrexham, Erddig, Park	Comments Withheld	D0062/001/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3348	12 records, between 14/04/2006 and 19/12/2016	Recorder Name Withheld	1; 1 Male; 2		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D0062/001/01 , D0062/003/01 , D0062/006/01 , D1297/021/01 , D0062/005/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1

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<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3148	2 records, between 09/07/2007 and 01/10/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Falco tinnunculus</i> (Kestrel / Cudyll Coch)	SJ3349	2 records, between 17/06/2009 and 22/11/2009	Recorder Name Withheld	1		Wrexham, centre, S		D1297/002/01	Bern, CITES, S7, UKBA, WBR, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Ficedula hypoleuca</i> (Pied Flycatcher / Gwybedog Brith)	SJ3348	4 records, between 09/04/2008 and 28/04/2013	Recorder Name Withheld	1; 1 Male		Wrexham, Erddig, pool	Comments Withheld	D1297/012/01 , D0062/001/01 , D0062/005/01	S7, UKBR, WBR, LBAP[CON, GWY, SNP]	1
<i>Ficedula hypoleuca</i> (Pied Flycatcher / Gwybedog Brith)	SJ3349	16/04/2013	Recorder Name Withheld			Wrexham		D1297/012/01	S7, UKBR, WBR, LBAP[CON, GWY, SNP]	1
<i>Fringilla montifringilla</i> (Brambling / Pinc y Mynydd)	SJ3348	5 records, between 11/02/2007 and 21/12/2009	Recorder Name Withheld	1; 3+; 1 Female; 1 Male		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D0062/001/01	WCA1.1, LBAP[CON]	1
<i>Fringilla montifringilla</i> (Brambling / Pinc y Mynydd)	SJ3349	26 records, between 27/01/2008 and 22/12/2016	Recorder Name Withheld	2 Male; 1 Male; 1; 1 Female; 2; 2 Female; 3 Male		Wrexham, centre, S	Comments Withheld; A single female on our bird feeders	D0062/001/01 , D0062/003/01 , D0062/005/01 , D1297/021/01	WCA1.1, LBAP[CON]	3
<i>Gallinago gallinago</i> (Snipe / Giach Cyffredin)	SJ331486 (GPS Reading)	29/03/2018	Recorder Name Withheld	2		Wrexham	Flushed from margins erddig lake	D1117/001/01	BDir2.1, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Gallinago gallinago</i> (Snipe / Giach Cyffredin)	SJ3348	39 records, between 25/01/2004 and 28/12/2016	Recorder Name Withheld	3; 7; 1; 2; 9; 4; 6; 13; 14; 10; 8		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01 , D0062/003/01 , D1297/021/01 , D1297/002/01 , D1297/020/01 , D1297/012/01	BDir2.1, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Gallinago gallinago</i> (Snipe / Giach Cyffredin)	SJ3349	10/10/2010	Recorder Name Withheld	2		Wrexham, Centre, S	Birdtrack:	D1297/005/01	BDir2.1, UKBA, WBA, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ326481 (Supplied by Original Recorder)	2 records, between 07/05/2015 and 11/06/2015	Recorder Name Withheld	1		Erddig Hall and Park	Timber yard entrance; Midden Yard	D1652/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	1
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ334482	06/04/2015	Recorder Name Withheld	2		Wrexham, Erddig, Pool		D1297/020/01	Bern, WBA, LBAP[ANG, CON, GWY]	1
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3248	9 records, between 22/05/2011 and 07/08/2016	Recorder Name Withheld	2; 7; 1+		Erddig	Including adults going into suitable outbuildings at National Trust property. Breeding status: Suitable habitat; BirdTrack	D1297/012/01 , D1297/021/01 , D1297/005/01	Bern, WBA, LBAP[ANG, CON, GWY]	1
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3348	15 records, between 21/03/2004 and 08/08/2016	Recorder Name Withheld	3; 24; 2; 5; 1; 30+; 20; 10; 10+		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01 , D0062/006/01 , D1297/021/01 , D0062/005/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3247	4 records, between 27/06/2009 and 21/08/2016	Recorder Name Withheld	1; 25		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01 , D0062/003/01 , D1297/021/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3347	2 records, between 27/06/2009 and 19/06/2016	Recorder Name Withheld	2		Sontley, N	Comments Withheld	D0062/001/01 , D1297/021/01	Bern, WBA, LBAP[ANG, CON, GWY]	3

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<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3249	27/06/2009	Recorder Name Withheld	1		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3148	27/06/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Hirundo rustica</i> (Swallow / Gwennol)	SJ3349	7 records, between 13/09/2007 and 15/09/2016	Recorder Name Withheld	5; 20; 12; 2; 4; 5+		Wrexham, centre, S	Comments Withheld; Birdtrack.: Breeding code: M	D0062/001/01 , D1297/021/01 , D1297/005/01 , D1297/002/01	Bern, WBA, LBAP[ANG, CON, GWY]	3
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3248	5 records, between 07/05/2007 and 06/11/2016	Recorder Name Withheld	1		Erddig hall	Comments Withheld	D1297/021/01 , D0062/001/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	1
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3348	13 records, between 14/03/2006 and 29/12/2016	Recorder Name Withheld	6; 1; 2; 14+; 3; 5		Erddig (SJ34 J)	BTO Breeding Status: X; Comments Withheld	D1297/020/01 , D1297/002/01 , D0062/001/01 , D1297/021/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	1
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3347	4 records, between 27/06/2009 and 27/11/2016	Recorder Name Withheld	1		Sontley road bends	Comments Withheld	D1297/021/01 , D0062/001/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	1
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3249	6 records, between 10/12/2008 and 20/11/2016	Recorder Name Withheld	3; 14; 4		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D1297/021/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	3
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3148	04/07/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	3
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3349	2 records, between 17/07/2010 and 02/05/2016	Recorder Name Withheld	2		Wrexham, Centre, S	Comments Withheld	D0062/003/01 , D1297/021/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	3
<i>Larus argentatus</i> (Herring Gull / Gwylan y Penwaig)	SJ3147	27/06/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen, S	Comments Withheld	D0062/001/01	BAP, BDir2.2, S7, UKBR, WBR, LBAP[CON, GWY]	3
<i>Larus canus</i> (Common Gull / Gwylan y Gweunydd)	SJ3348	15 records, between 21/03/2006 and 27/11/2016	Recorder Name Withheld	1; 3; 11; 20+; 10; 2; 5; 8; 4		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D0062/003/01 , D0062/001/01 , D0062/005/01 , D1297/021/01	BDir2.2, UKBA, WBR	1
<i>Larus canus</i> (Common Gull / Gwylan y Gweunydd)	SJ3347	27/11/2016	Recorder Name Withheld	3		Sontley road bends		D1297/021/01	BDir2.2, UKBA, WBR	1
<i>Larus canus</i> (Common Gull / Gwylan y Gweunydd)	SJ3249	10/12/2008	Recorder Name Withheld	2		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01	BDir2.2, UKBA, WBR	3
<i>Larus fuscus</i> (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3348	3 records, between 24/02/2010 and 19/03/2010	Recorder Name Withheld	1		Wrexham, Erddig, pool	Comments Withheld	D0062/003/01	BDir2.2, UKBA, WBA, LBAP[CON, GWY, SNP]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Larus fuscus</i> (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3347	27/06/2009	Recorder Name Withheld	1		Sontley, N	Comments Withheld	D0062/001/01	BDir2.2, UKBA, WBA, LBAP[CON, GWY, SNP]	3
<i>Larus fuscus</i> (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3249	2 records, between 11/07/2009 and 06/08/2016	Recorder Name Withheld	1; 2		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D1297/021/01	BDir2.2, UKBA, WBA, LBAP[CON, GWY, SNP]	3
<i>Larus fuscus</i> (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3148	04/07/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	BDir2.2, UKBA, WBA, LBAP[CON, GWY, SNP]	3
<i>Milvus milvus</i> (Red Kite / Barcud)	SJ34 (Selected from Interactive Map)	04/06/2015	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D1117/001/01	BDir1, CITES, WBA, WCA1.1, WCA9, LBAP[CON, GWY]	1
<i>Milvus milvus</i> (Red Kite / Barcud)	SJ34 (Selected from Interactive Map)	27/05/2015	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D1117/001/01	BDir1, CITES, WBA, WCA1.1, WCA9, LBAP[CON, GWY]	1
<i>Milvus milvus</i> (Red Kite / Barcud)	SJ34	22/04/2013	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1297/012/01	BDir1, CITES, WBA, WCA1.1, WCA9, LBAP[CON, GWY]	1
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SJ324481 (Selected from Interactive Map)	06/06/2014	Recorder Name Withheld	1 Adult		Erddig		D1117/001/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	1
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SJ3248	27/06/2004	Recorder Name Withheld	1		Wrexham, Erddig, Park	Comments Withheld	D0062/001/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SJ3347	19/06/2016	Recorder Name Withheld	2		Sontley road bends	Breeding status - Occupied nest	D1297/021/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	1
<i>Oxyura jamaicensis</i> (Ruddy Duck / Hwyaden Goch)	SJ3348	17 records, between 21/03/2004 and 01/05/2006	Recorder Name Withheld	1 Male; 1; 1 Female; 3 Male; 3; 2; 2 Male		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01	INNS, WCA9	3
<i>Pandion haliaetus</i> (Osprey / Gwalch y Pysgod)	SJ34	02/04/2013	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1297/012/01	BDir1, CITES, UKBA, WBA, WCA1.1, LBAP[GWY]	1
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3348	2 records, between 13/12/2008 and 18/03/2009	Recorder Name Withheld	2; 30		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D0062/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	1
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3247	24/04/2016	Recorder Name Withheld			Sontley lodge farm		D1297/021/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	1
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3347	4 records, between 27/06/2009 and 27/11/2016	Recorder Name Withheld	6; 3		Sontley road bends	Comments Withheld	D1297/021/01 , D0062/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	1
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3249	2 records, between 10/12/2008 and 27/06/2009	Recorder Name Withheld	10		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3148	27/06/2009	Recorder Name Withheld	20		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Passer domesticus</i> (House Sparrow / Aderyn y To)	SJ3349	14 records, between 27/01/2008 and 01/05/2016	Recorder Name Withheld	3 Female; 3 Male; 6+; 14+; 8+; 2 Male; 1 Female; 6; 4; 2; 7; 1		Wrexham, centre, S	Comments Withheld; Breeding status: Probable nest site; Female on feeders	D0062/001/01 , D0062/003/01 , D1297/012/01 , D1297/021/01 , D0062/005/01	S7, UKBR, WBA, LBAP[CON, FLI, GWY]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ3248	9 records, between 03/03/2007 and 13/11/2016	Recorder Name Withheld	2; 3; 1; 4		Wrexham, Erddig, Park	Comments Withheld; Breeding status: Singing male	D0062/001/01 , D1297/012/01 , D1297/021/01	Bern, WBA, LBAP[CON]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ3348	19 records, between 24/02/2008 and 29/12/2016	Recorder Name Withheld	2; 6; 1		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01 , D0062/003/01 , D0062/005/01 , D1297/021/01 , D1297/020/01 , D1297/002/01 , D1297/012/01	Bern, WBA, LBAP[CON]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ3247	21/08/2016	Recorder Name Withheld			Sontley lodge farm		D1297/021/01	Bern, WBA, LBAP[CON]	1
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ3347	3 records, between 27/06/2009 and 27/11/2016	Recorder Name Withheld	1		Sontley, N	Comments Withheld	D0062/001/01 , D1297/021/01	Bern, WBA, LBAP[CON]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ3249	6 records, between 27/06/2009 and 26/12/2016	Recorder Name Withheld	1; 3		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D0062/003/01 , D1297/021/01	Bern, WBA, LBAP[CON]	3
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SJ3349	22 records, between 28/01/2007 and 22/12/2016	Recorder Name Withheld	1; 2; 3; 13+		Wrexham, centre, S	Comments Withheld; More than 13 birds visited our feeders in less than one minute, usually only get 1 or 2 birds. This year a large number of Coal Tits visiting our feeders.; First on feeders for weeks	D0062/001/01 , D0062/003/01 , D0062/005/01 , D1297/021/01 , D1297/020/01 , D1297/012/01	Bern, WBA, LBAP[CON]	3
<i>Phalacrocorax carbo</i> (Cormorant / Mulfran)	SJ3348	2 records, between 22/07/2011 and 10/01/2016	Recorder Name Withheld	1		Wrexham, Erddig, pool	Comments Withheld	D0062/003/01 , D1297/021/01	WBA, LBAP[CON, GWY]	3
<i>Phalacrocorax carbo</i> (Cormorant / Mulfran)	SJ3349	2 records, between 10/10/2010 and 14/08/2011	Recorder Name Withheld	2; 1		Wrexham, Centre, S	BirdTrack Most unusual to find any here; Birdtrack:	D1297/005/01	WBA, LBAP[CON, GWY]	1
<i>Phylloscopus trochilus</i> (Willow Warbler / Telor yr Helyg)	SJ3348	7 records, between 01/05/2005 and 30/04/2016	Recorder Name Withheld	1; 2; 4+; 3		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01 , D1297/021/01 , D0062/006/01 , D1297/020/01	UKBA, WBR, LBAP[CON]	3
<i>Phylloscopus trochilus</i> (Willow Warbler / Telor yr Helyg)	SJ3249	23/05/2009	Recorder Name Withheld	1		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01	UKBA, WBR, LBAP[CON]	3
<i>Phylloscopus trochilus</i> (Willow Warbler / Telor yr Helyg)	SJ3349	17/06/2009	Recorder Name Withheld	1		Wrexham, centre, S		D1297/002/01	UKBA, WBR, LBAP[CON]	1
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ327481	18/04/2015	Recorder Name Withheld	1		Erddig House		D1297/020/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ3248	18 records, between 25/07/2007 and 17/07/2016	Recorder Name Withheld	1; 2		Wrexham, Erddig, Park	Comments Withheld	D0062/001/01 , D1297/021/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ3348	19 records, between 12/04/2007 and 23/07/2016	Recorder Name Withheld	1; 2		Wrexham, Erddig, pool	Comments Withheld; Heard in Erddig park calling; Bird calling in Erddig Park	D0062/001/01 , D0062/003/01 , D0062/005/01 , D1297/021/01 , D1297/002/01 , D1297/020/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Picus viridis</i> (Green Woodpecker / Cnocell Werdd)	SJ3349	4 records, between 01/09/2010 and 11/07/2015	Recorder Name Withheld	1		Wrexham, Centre, S	Comments Withheld; BirdTrack; Seen or heard around our estate all week.	D0062/003/01 , D1297/005/01 , D1297/020/01	Bern, WBA, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Poecile montana</i> (Willow Tit / Titw'r Helyg)	SJ3248	07/04/2007	Recorder Name Withheld	1		Wrexham, Erddig, Park		D1297/002/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile montana</i> (Willow Tit / Titw'r Helyg)	SJ3247	11/04/2006	Recorder Name Withheld	3		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile montana</i> (Willow Tit / Titw'r Helyg)	SJ3249	2 records, between 29/03/2008 and 20/03/2009	Recorder Name Withheld	2		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile palustris</i> (Marsh Tit / Titw'r Wern)	SJ3248	14/06/2004	Recorder Name Withheld	2		Wrexham, Erddig, Park	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile palustris</i> (Marsh Tit / Titw'r Wern)	SJ3348	21 records, between 09/03/2005 and 04/10/2015	Recorder Name Withheld	1; 2; 3		Erddig (SJ34 J)	Comments Withheld	D1297/020/01 , D1297/002/01 , D0062/003/01 , D0062/001/01 , D0062/005/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile palustris</i> (Marsh Tit / Titw'r Wern)	SJ3247	4 records, between 14/02/2006 and 25/12/2007	Recorder Name Withheld	1; 2		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile palustris</i> (Marsh Tit / Titw'r Wern)	SJ3347	05/01/2007	Recorder Name Withheld	1		Sontley, N	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile palustris</i> (Marsh Tit / Titw'r Wern)	SJ3249	4 records, between 23/12/2007 and 24/12/2016	Recorder Name Withheld	2; 1		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D1297/021/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Poecile palustris</i> (Marsh Tit / Titw'r Wern)	SJ3349	11/06/2011	Recorder Name Withheld	2		Wrexham, Centre, S	BirdTrack At least 2 seen clearly; with other tits;/05/be more	D1297/005/01	BAP, Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ327481 (Supplied by Original Recorder)	26/02/2015	Recorder Name Withheld	1		Erddig Hall and Park	Car park area	D1652/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ329481	22/05/2016	Recorder Name Withheld			Erddig Park		D1297/021/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ327482 (Supplied by Original Recorder)	23/04/2015	Recorder Name Withheld	1		Erddig Hall and Park	Garden lawn	D1652/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ326481 (Supplied by Original Recorder)	3 records, between 12/03/2015 and 28/05/2015	Recorder Name Withheld	1		Erddig Hall and Park	Glasshouse area at bird feeder; Garden; Glasshouse area, at bird feeders	D1652/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3248	4 records, between 07/04/2007 and 23/10/2016	Recorder Name Withheld	2; 1		Erddig	Both singing. Breeding status: Singing male	D1297/021/01 , D1297/012/01 , D1297/002/01	BAP, Bern, S7, UKBA, LBAP[CON]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3348	14 records, between 21/12/2009 and 19/12/2016	Recorder Name Withheld	1; 2		Sontley Bridge & Coed-y-glyn Wood	Breeding status: Singing male; Breeding status: Pair; Comments Withheld	D1297/012/01 , D1297/002/01 , D1297/020/01 , D0062/006/01 , D1297/021/01 , D0062/005/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3247	3 records, between 10/03/2016 and 21/08/2016	Recorder Name Withheld	1		Sontley lodge farm	Breeding status - in suitable nesting habitat	D1297/021/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3347	2 records, between 27/06/2009 and 27/11/2016	Recorder Name Withheld	2; 3		Sontley road bends	Comments Withheld	D1297/021/01 , D0062/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3249	3 records, between 10/12/2008 and 20/11/2016	Recorder Name Withheld	1		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D1297/021/01	BAP, Bern, S7, UKBA, LBAP[CON]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3148	27/06/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3349	23 records, between 07/07/2007 and 02/05/2016	Recorder Name Withheld	2; 3; 1		Wrexham, centre, S	Comments Withheld; Breeding status - pair in suitable nesting habitat	D0062/001/01 , D0062/003/01 , D1297/012/01 , D1297/020/01 , D1297/021/01 , D0062/005/01	BAP, Bern, S7, UKBA, LBAP[CON]	3
<i>Prunella modularis</i> (Dunnock / Llwyd y Gwrych)	SJ3147	27/06/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen, S	Comments Withheld	D0062/001/01	BAP, Bern, S7, UKBA, LBAP[CON]	3
<i>Pyrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ3248	2 records, between 07/10/2004 and 23/04/2016	Recorder Name Withheld	2+		Erddig estate	Comments Withheld	D1297/021/01 , D0062/001/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	1
<i>Pyrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ3348	23 records, between 07/10/2004 and 07/06/2016	Recorder Name Withheld	2; 4; 3; 1 Male; 1 Female; 2 Male; 1; 1+ Juvenile		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D1297/020/01 , D0062/001/01 , D0062/003/01 , D0062/006/01 , D1297/021/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	1
<i>Pyrhula pyrrhula</i> (Bullfinch / Coch y Berllan)	SJ3349	3 records, between 20/06/2011 and 17/06/2012	Recorder Name Withheld	1 Male; 1 Female		Wrexham, Centre, S	Comments Withheld	D0062/003/01 , D0062/005/01	BAP, S7, UKBA, WBR, LBAP[CON, DEN, FLI, GWY]	3
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ328484 (GPS Reading)	20/11/2017	Recorder Name Withheld	1		Wrexham	Yew tree woodland erddig	D1117/001/01	Bern, WBA, LBAP[CON]	1
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ336485 (Selected from Interactive Map)	2 records, between 24/02/2017 and 20/11/2017	Recorder Name Withheld	1		Wrexham	Wooded riverbank sontley bridge; Wooded riverbank	D1117/001/01	Bern, WBA, LBAP[CON]	1
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ3248	6 records, between 23/12/2007 and 13/11/2016	Recorder Name Withheld	2; 1; 7		Wrexham, Erddig, Park	Comments Withheld; Breeding status: Singing male	D0062/001/01 , D1297/012/01 , D1297/021/01	Bern, WBA, LBAP[CON]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ3348	25 records, between 21/01/2007 and 29/12/2016	Recorder Name Withheld	1+; 2; 1; 3; 4		Wrexham, Erddig, pool	Comments Withheld; Breeding status: Singing male	D0062/001/01 , D0062/003/01 , D0062/006/01 , D0062/005/01 , D1297/021/01 , D1297/020/01 , D1297/012/01	Bern, WBA, LBAP[CON]	3
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ3247	25/12/2007	Recorder Name Withheld	4		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	Bern, WBA, LBAP[CON]	3
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ3249	5 records, between 10/01/2016 and 26/12/2016	Recorder Name Withheld	1		Wrexham, Felin Puleston		D1297/021/01	Bern, WBA, LBAP[CON]	1
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SJ3349	3 records, between 28/02/2011 and 01/05/2016	Recorder Name Withheld	1		Wrexham, Centre, S	Comments Withheld	D0062/003/01 , D0062/005/01 , D1297/021/01	Bern, WBA, LBAP[CON]	3
<i>Riparia riparia</i> (Sand Martin / Gwennol y Glennydd)	SJ3348	3 records, between 14/04/2008 and 07/04/2016	Recorder Name Withheld	1; 1+; 2+		Wrexham, Erddig, pool	Comments Withheld	D0062/003/01 , D0062/001/01 , D1297/021/01	Bern, WBA, LBAP[CON], DEN, FLI, GWY	3
<i>Scolopax rusticola</i> (Woodcock / Cyfflog)	SJ3247	15/02/2007	Recorder Name Withheld	1		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	BDir2.1, UKBR, WBA, LBAP[CON], DEN, FLI, GWY	3
<i>Scolopax rusticola</i> (Woodcock / Cyfflog)	SJ3249	26/12/2010	Recorder Name Withheld	1		Wrexham, Felin Puleston	Comments Withheld	D0062/003/01	BDir2.1, UKBR, WBA, LBAP[CON], DEN, FLI, GWY	3
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3248	20/01/2016	Recorder Name Withheld	200+		Wrexham Erddig, Park		D1297/021/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON], FLI, GWY	1
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3348	4 records, between 21/01/2007 and 19/01/2016	Recorder Name Withheld	200+; 50+; 4		Erddig (SJ34 J)	Comments Withheld	D1297/020/01 , D0062/001/01 , D1297/021/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON], FLI, GWY	1
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3247	24/04/2016	Recorder Name Withheld			Sontley lodge farm		D1297/021/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON], FLI, GWY	1
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3249	3 records, between 23/05/2009 and 26/12/2016	Recorder Name Withheld	1; 2+		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D0062/003/01 , D1297/021/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON], FLI, GWY	3
<i>Sturnus vulgaris</i> (Starling / Drudwen)	SJ3349	2 records, between 17/05/2012 and 02/05/2016	Recorder Name Withheld	1		Percy road	Comments Withheld	D1297/021/01 , D0062/005/01	BAP, BDir2.2, Bern, S7, UKBR, WBR, LBAP[CON], FLI, GWY	1
<i>Sylvia borin</i> (Garden Warbler / Telor yr Ardd)	SJ3248	3 records, between 23/05/2004 and 07/05/2008	Recorder Name Withheld	1		Wrexham, Erddig, Park	Comments Withheld	D0062/001/01	WBA, LBAP[CON]	3
<i>Sylvia borin</i> (Garden Warbler / Telor yr Ardd)	SJ3348	01/06/2014	Recorder Name Withheld	1		Wrexham, Erddig, pool	Comments Withheld	D0062/005/01	WBA, LBAP[CON]	3
<i>Sylvia borin</i> (Garden Warbler / Telor yr Ardd)	SJ3247	27/06/2009	Recorder Name Withheld	1		Wrexham, Erddig, Hafod Wood	Comments Withheld	D0062/001/01	WBA, LBAP[CON]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Sylvia borin</i> (Garden Warbler / Telor yr Ardd)	SJ3349	11/06/2011	Recorder Name Withheld	2		Wrexham, Centre, S	BirdTrack	D1297/005/01	WBA, LBAP[CON]	1
<i>Sylvia communis</i> (Whitethroat / Llwydfron)	SJ3348	5 records, between 04/05/2015 and 31/07/2016	Recorder Name Withheld	2; 1		Erddig 2	Comments Withheld; Breeding status - Singing male	D1297/021/01 , D0062/006/01 , D1297/020/01	WBA, LBAP[CON]	1
<i>Sylvia communis</i> (Whitethroat / Llwydfron)	SJ3147	3 records, all on 27/06/2009	Recorder Name Withheld	1 Female; 1 Male; 2+ Juvenile		Wrexham, Rhostyllen, S	Comments Withheld	D0062/001/01	WBA, LBAP[CON]	3
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ328482	18/10/2015	Recorder Name Withheld	11		SJ3248 Erddig Hall	Flying over	D1297/020/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	1
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ3248	3 records, between 20/01/2016 and 27/11/2016	Recorder Name Withheld	200+; 40+; 20+		Wrexham Erddig, Park	Feeding on newly sprayed fields	D1297/021/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	1
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ3348	12 records, between 21/01/2007 and 29/12/2016	Recorder Name Withheld	15; 1; 12; 2; 6+; 30; 4; 12+; 3; 100		Wrexham, Erddig, pool	Comments Withheld	D1297/002/01 , D0062/003/01 , D0062/001/01 , D1297/021/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	1
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ3349	4 records, between 06/03/2005 and 22/11/2015	Recorder Name Withheld	1; 10; 50+; 10+		Wrexham, centre, S	Comments Withheld	D0062/001/01 , D1297/020/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus iliacus</i> (Redwing / Coch Dan Adain)	SJ3147	24/02/2010	Recorder Name Withheld	75+		Wrexham, Rhostyllen, S	Comments Withheld	D0062/003/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3248	12 records, between 18/02/2007 and 27/11/2016	Recorder Name Withheld	2; 3; 1		Erddig estate		D1297/021/01 , D1297/002/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3348	34 records, between 04/04/2007 and 26/12/2016	Recorder Name Withheld	1; 2; 3; 1 Male; 4		Wrexham, Erddig, pool	Breeding status: Singing male; Comments Withheld	D1297/002/01 , D1297/012/01 , D0062/003/01 , D0062/001/01 , D0062/006/01 , D1297/021/01 , D0062/005/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3347	19/06/2016	Recorder Name Withheld			Sontley road bends		D1297/021/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3249	3 records, between 26/04/2009 and 23/07/2016	Recorder Name Withheld	1		Wrexham, Felin Puleston	Comments Withheld	D0062/001/01 , D1297/021/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3349	14 records, between 22/04/2007 and 27/09/2015	Recorder Name Withheld	1; 1 Male		Wrexham, centre, S	Comments Withheld; First song thrush in our garden for a while, bird drinking from our small pond.; First song thrush seen in our garden this year.	D0062/001/01 , D0062/003/01 , D1297/020/01 , D1297/002/01 , D0062/005/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SJ3147	27/06/2009	Recorder Name Withheld	1		Wrexham, Rhostyllen, S	Comments Withheld	D0062/001/01	BAP, BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ3248	2 records, between 14/10/2013 and 20/01/2016	Recorder Name Withheld	20+; 200+		Wrexham, Erddig, Park	Comments Withheld; Feeding on newly sprayed fields	D0062/005/01 , D1297/021/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ3348	2 records, between 06/03/2006 and 30/01/2016	Recorder Name Withheld	1; 30		Wrexham, Erddig, pool	Comments Withheld	D0062/001/01 , D1297/021/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ3347	05/04/2008	Recorder Name Withheld	5		Sontley, N	Comments Withheld	D0062/001/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Turdus pilaris</i> (Fieldfare / Socan Eira)	SJ3349	2 records, between 09/03/2008 and 22/11/2015	Recorder Name Withheld	100; 2+		Wrexham, centre, S	Comments Withheld	D0062/001/01 , D1297/020/01	BDir2.2, UKBR, WBA, WCA1.1, LBAP[CON]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ34	3 records, between 2009 and 2012	Recorder Name Withheld	1 eggs, 1 hatched, 1 fledged; 2 eggs, 2 hatched, 2 fledged	Nest	Site Name Withheld	Comments Withheld	D0036/001/04	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ34	4 records, between 2008 and 2012	Recorder Name Withheld		Nest	Site Name Withheld	Comments Withheld	D0036/001/04	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ34	7 records, between 2006 and 2012	Recorder Name Withheld		Nest	Site Name Withheld	Comments Withheld	D0036/001/04	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ34	8 records, between 2005 and 2012	Recorder Name Withheld	2 eggs, 2 hatched, 0 fledged	Nest	Site Name Withheld	Comments Withheld	D0036/001/04	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ34	06/07/2010	Recorder Name Withheld	2 Juvenile		Site Name Withheld	Comments Withheld	D0062/003/01	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Tyto alba</i> (Barn Owl / Tylluan Wen)	SJ34	2 records, between 24/03/2008 and 05/04/2008	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0062/001/01	Bern, CITES, WBA, WCA1.1, WCA9, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
<i>Vanellus vanellus</i> (Lapwing / Cornchwiglen)	SJ3348	21/12/2009	Recorder Name Withheld	15		Wrexham, Erddig, pool		D1297/002/01	BDir2.2, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Vanellus vanellus</i> (Lapwing / Cornchwiglen)	SJ3148	28/02/2006	Recorder Name Withheld	90		Wrexham, Rhostyllen	Comments Withheld	D0062/001/01	BDir2.2, S7, UKBR, WBR, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Butterflies and Moths										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Acronicta psi</i> (Grey Dagger / Bidog Llwyd)	SJ322474	25/07/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Acronicta psi</i> (Grey Dagger / Bidog Llwyd)	SJ3347	25/07/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Agrochola litura</i> (Brown-spot Pinion / Castan Smotyn Brown)	SJ322474	2 records, both on 06/09/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Agrochola litura</i> (Brown-spot Pinion / Castan Smotyn Brown)	SJ3347	06/09/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Agrochola lychnidis</i> (Beaded Chestnut / Castan Leiniog)	SJ322474	28/09/1979	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Allophyas oxyacanthae</i> (Green-brindled Crescent / Cilgant Brych)	SJ322474	05/09/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Allophyas oxyacanthae</i> (Green-brindled Crescent / Cilgant Brych)	SJ3347	06/09/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Arctia caja</i> (Garden Tiger / Teigr yr Ardd)	SJ322474	25/07/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Arctia caja</i> (Garden Tiger / Teigr yr Ardd)	SJ339481	27/05/1984	Recorder Name Withheld	1 Adult		Sontley Moor	Grassland: marshy, lowland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Arctia caja</i> (Garden Tiger / Teigr yr Ardd)	SJ3347	25/07/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Atethmia centrargo</i> (Centre-barred Sallow / Melyn yr Ynn)	SJ322474	06/09/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Atethmia centrargo</i> (Centre-barred Sallow / Melyn yr Ynn)	SJ3347	06/09/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Boloria selene</i> (Small Pearl-bordered Fritillary / Britheg Berlog Fach)	SJ337476 (Estimated (Centroid of Site))	04/06/1988	Recorder Name Withheld	1		Sontley Moor	Breeding: No. Mature: Yes. Record type: Field record / observation	D0127/001/02	RD1(UK)NT, S7, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Brachylomia viminalis</i> (Minor Shoulder-knot / Gwargwlwm Bach)	SJ322474	04/08/1977	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Diarsia rubi</i> (Small Square-spot / Smotyn Sgwar Bach)	SJ322474	2 records, between 01/06/1979 and 21/05/1982	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Ecliptopera silaceata</i> (Small Phoenix / Ffenics Bach)	SJ322474	01/06/1979	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Eugnorisma glareosa</i> (Autumnal Rustic / Gwladwr yr Hydref)	SJ322474	24/09/1978	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Euxoa nigricans</i> (Garden Dart / Dart y Gerddi)	SJ322474	08/08/1979	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Graphiphora augur</i> (Double Dart / Dart Deunod)	SJ322474	10/07/1982	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7	3
<i>Hepialus humuli</i> (Ghost Moth / Chwimwyfyn Rhithiol)	SJ3347	01/07/1982	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Hydraecia micacea</i> (Rosy Rustic / Gwladwr Gwridog)	SJ322474	30/08/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Hydraecia micacea</i> (Rosy Rustic / Gwladwr Gwridog)	SJ3347	30/08/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Lasiommata megera</i> (Wall / Gweirlöyn y Cloddiau)	SJ34	21/06/1984	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1161/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Lasiommata megera</i> (Wall / Gweirlöyn y Cloddiau)	SJ	23/07/2014	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D1643/001/01	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Lasiommata megera</i> (Wall / Gweirlöyn y Cloddiau)	SJ327483 (Estimated (Centroid of Site))	21/06/1984	Recorder Name Withheld	1 Adult		Erddig NT	Breeding: No. Mature: Yes. Record type: Field record / observation	D0127/001/02	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Leucania comma</i> (Shoulder-striped Wainscot)	SJ335484	11/07/1982	Recorder Name Withheld	1 Adult		Erddig	Woodland: broadleaved. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Leucania comma</i> (Shoulder-striped Wainscot)	SJ322474	17/06/1979	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Litoligia literosa</i> (Rosy Minor)	SJ322474	06/06/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Litoligia literosa</i> (Rosy Minor)	SJ3347	06/06/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Orthosia gracilis</i> (Powdered Quaker / Crynwr Llychlyd)	SJ322474	21/05/1982	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Perizoma albulata</i> (Grass Rivulet / Gwregys y Gwair)	SJ339481	07/07/1980	Recorder Name Withheld	1 Adult		Sontley Moor	Grassland: marshy, lowland. Method: Netted	D1285/001/02	BAP, S7	3
<i>Satyrrium w-album</i> (White-letter Hairstreak / Brithribin W Wen)	SJ34	1976	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1161/001/01	RD1(UK)EN, S7, WCA5, LBAP[FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Satyrrium w-album</i> (White-letter Hairstreak / Brithribin W Wen)	SJ3247	1976	Recorder Name Withheld	6		Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)EN, S7, WCA5, LBAP[FLI]	3
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ322474	2 records, between 06/07/1979 and 04/04/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Scotopteryx chenopodiata</i> (Shaded Broad-bar / Rhesen Lydan Dywyll)	SJ3347	04/04/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Spilosoma lubricipeda</i> (White Ermine / Ermin Gwyn)	SJ322474	3 records, between 04/04/1980 and 01/07/1983	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	3
<i>Spilosoma lubricipeda</i> (White Ermine / Ermin Gwyn)	SJ3347	04/04/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Spilosoma lutea</i> (Buff Ermine)	SJ32614826 (Selected from Interactive Map)	2 records, between 16/07/2014 and 23/07/2014	Recorder Name Withheld	1 Adult		Erddig National trust, Gardens	Moth Trap record	D1117/001/01	S7, LBAP[GWY]	4
<i>Spilosoma lutea</i> (Buff Ermine)	SJ322474	2 records, between 06/06/1980 and 01/07/1983	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	4
<i>Spilosoma lutea</i> (Buff Ermine)	SJ3347	06/06/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3
<i>Tholera decimalis</i> (Feathered Gothic / Rhwyll Bluog)	SJ322474	2 records, between 25/08/1979 and 30/08/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7	4
<i>Tholera decimalis</i> (Feathered Gothic / Rhwyll Bluog)	SJ3347	30/08/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7	3
<i>Timandra comae</i> (Blood-vein / Gwyfyn Gwythïen Goch)	SJ322474	04/07/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light Trap	D1285/001/02	S7	3
<i>Timandra comae</i> (Blood-vein / Gwyfyn Gwythïen Goch)	SJ3347	04/07/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7	3
<i>Xanthorhoe ferrugata</i> (Dark-barred Twin-spot Carpet / Brychan Deusmotiog Tywyll)	SJ322474	2 records, between 12/05/1979 and 06/06/1980	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Woodland. Method: MV Light	D1285/001/02	S7, LBAP[GWY]	4
<i>Xanthorhoe ferrugata</i> (Dark-barred Twin-spot Carpet / Brychan Deusmotiog Tywyll)	SJ3347	06/06/1980	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[GWY]	3

Fish										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Anguilla anguilla</i> (Eel / Llysywen)	SJ327488	13/08/2007	Recorder Name Withheld	1 to 9 [Captured - Survey]		River Dee / Clywedog, 267	Survey type: DC Electric Fishing	D1702/001/01	RD1(UK)CR, S7, LBAP[CON, GWY]	3
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SJ327487	07/09/2011	Recorder Name Withheld			23 Erddig Country Park Clwedog	7 Adult (Exact)	D1698/001/01	S7, LBAP[CON, GWY]	3
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SJ327488	13/08/2007	Recorder Name Withheld	10 to 99 [Captured - Survey]		River Dee / Clywedog, 267	Survey type: DC Electric Fishing	D1702/001/01	S7, LBAP[CON, GWY]	3

- PUBLIC VERSION -

Fungi, Lichen and Slime Moulds										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Hericium erinaceus</i> (Bearded Tooth)	SJ3248 (Estimated (Centroid of Site))	12/10/2003	Recorder Name Withheld			Erddig Park	Association: Fagus. Ecosystem: woodland. Substratum: rotten trunk	D1728/003/01	S7, WCA8	3
<i>Xanthoria polycarpa</i>	SJ327478	12/02/1996	Recorder Name Withheld	Rare		Erddig	Rare to occasional. Substrate: Corticolous	D1577/001/02	RD1(Wales)LC, S7	3
<i>Xanthoria polycarpa</i>	SJ325486	12/02/1996	Recorder Name Withheld	Rare		Erddig	Rare to occasional. Substrate: Corticolous	D1577/001/02	RD1(Wales)LC, S7	3
<i>Xanthoria polycarpa</i>	SJ323477	12/02/1996	Recorder Name Withheld	Rare		Erddig	Rare to occasional. Substrate: Corticolous	D1577/001/02	RD1(Wales)LC, S7	3

- PUBLIC VERSION -

Mammals										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Arvicola amphibius</i> (Water Vole / Llygoden Bengron y Dwr)	SJ32474800	1981	Recorder Name Withheld			River Clwedog		D1118/013/01	S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SJ3248	2 records, between 31/05/1996 and 28/07/1999	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	EPS, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SJ3347	12/10/1989	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	EPS, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SJ3348	14/01/2002	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1486/001/01	EPS, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ3285048454	Before October 2006	Recorder Name Withheld	1		Errdig Wrexham, LL12 or 13	Alive	D0971/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	4
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ333490	2015	Recorder Name Withheld		Live Sighting			D1688/001/02	Bern, S7, LBAP[ANG, CON, FLI, GWY]	1
<i>Erinaceus europaeus</i> (Hedgehog / Draenog)	SJ3148	3 records, between 30/09/2012 and 13/08/2013	Recorder Name Withheld			Rhostyllen	Brought into Wrexham hedgehog rescue centre.; baby brought in to Wrexham HH rescue.	D1638/001/01	Bern, S7, LBAP[ANG, CON, FLI, GWY]	3
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SJ330487	01/09/2004	Recorder Name Withheld	1		Wrexham	Dead. Seen regularly = No. Pasture	D0108/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SJ322478	25/01/2005	Recorder Name Withheld	1		Wrexham	Alive. Seen regularly = No. Pasture	D0108/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SJ32204734 (Supplied by Original Recorder (Checked))	21/04/2010	Recorder Name Withheld	2		Hafod Wood, Erddig, Wrexham		D1117/001/01	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3248	5 records, between 28/12/2002 and 06/06/2005	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3348	6 records, between 28/12/2002 and 06/06/2005	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3247	3 records, between 20/12/2002 and 09/04/2007	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3347	2 records, between 25/02/2003 and 06/06/2005	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3249	2 records, between 01/01/2003 and 19/04/2007	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3148	3 records, all on 30/04/2002	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3349	09/04/2002	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger / Mochyn Daear)	SJ3147	25/02/2003	Recorder Name Withheld		Badger Sett	Site Name Withheld	Comments Withheld	D0059/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	3
<i>Mustela putorius</i> (Polecat / Ffwlbart)	SJ325483	12/12/2015	Recorder Name Withheld		Live Sighting	Wrexham	Ran into a hole. Classification: Unverified	D1544/002/01	Bern, HDir, RD2(UK), S7, LBAP[CON, FLI, GWY, SNP]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Myotis</i> (Myotis Bat Species)	SJ3348	31/05/1996	Recorder Name Withheld	3		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, Bonn, EPS, HDir, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Myotis</i> (Myotis Bat Species)	SJ3247	30/06/1999	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	Bern, Bonn, EPS, HDir, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Myotis mystacinus/brandtii</i> agg. (Whiskered/Brandt's Bat agg.)	SJ3247	30/12/1999	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, Bonn, EPS, HDir, WCA5, LBAP[ANG, CON, DEN, FLI, SNP]	3
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SJ3347	2 records, between 01/07/1998 and 29/07/1998	Recorder Name Withheld		Bat Detector (Heterodyne)	Site Name Withheld	Comments Withheld	D1682/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus</i> (Pipistrellus Bat Species)	SJ3247	30/12/1999	Recorder Name Withheld	18		Site Name Withheld	Comments Withheld	D1486/001/01	EPS, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ3248	02/09/1987	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	Bern, Bonn, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ3248	03/06/1993	Recorder Name Withheld	27		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, Bonn, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SJ3347	2 records, between 01/07/1998 and 29/07/1998	Recorder Name Withheld		Bat Detector (Heterodyne)	Site Name Withheld	Comments Withheld	D1682/001/01	Bern, Bonn, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> agg. (Pipistrelle agg. / Ystlum Lleiaf)	SJ3248	1987	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1072/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Plecotus</i> (Long-eared Bat Species)	SJ3248	1987	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1072/001/02	Bern, Bonn, EPS, HDir, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Plecotus auritus</i> (Brown Long-eared Bat / Ystlum Hirglust)	SJ3248	30/12/1999	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Plecotus auritus</i> (Brown Long-eared Bat / Ystlum Hirglust)	SJ3147	01/08/1989	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Other Invertebrates										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Anaglyptus mysticus</i>	SJ334488	09/06/1994	Recorder Name Withheld	1 Adult		Coed y glyn wood Erddig	Habitat: Woodland: broadleaved A1.1. Method: Beating tray	D1650/002/01	RD2(UK)NB	1
<i>Anaglyptus mysticus</i>	SJ335487	09/06/1994	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Anaglyptus mysticus</i>	SJ336474	19/05/1985	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Anaglyptus mysticus</i>	SJ339480	18/05/1997	Recorder Name Withheld	several Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Atheta aquatilis</i>	SJ339480	17/09/2007	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Beris clavipes</i> (Scarce Orange Legionnaire)	SJ336474	27/05/1982	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Beris fuscipes</i> (Short-horned Black Legionnaire)	SJ330485	24/06/1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Beris fuscipes</i> (Short-horned Black Legionnaire)	SJ338476	08/07/2001	Recorder Name Withheld	1 Female		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Chalcosyrphus eunotus</i>	SJ326486	2 records, between 22/05/1992 and 27/04/1993	Recorder Name Withheld	1 Male		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Chalcosyrphus eunotus</i>	SJ3347	18/05/1997	Recorder Name Withheld	2 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Cheilosia chrysocoma</i>	SJ338476	05/05/1992	Recorder Name Withheld	2 Female		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Corticeus bicolor</i>	SJ324477	22/05/1977	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)S	3
<i>Ctenicera pectinicornis</i>	SJ336474	2 records, between 27/05/1982 and 05/06/1991	Recorder Name Withheld	1 Male		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NA	3
<i>Ctenicera pectinicornis</i>	SJ338476	18/05/1997	Recorder Name Withheld	Male		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NA	3
<i>Ctenophora pectinicornis</i>	SJ325479	17/05/2011	Recorder Name Withheld	2 Adult		Erddig hall	Habitat: Woodland A1. Method: Netted	D1650/003/01	RD2(UK)N	1
<i>Ctesias serra</i> (Cobweb Beetle)	SJ326482	23/06/1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Ctesias serra</i> (Cobweb Beetle)	SJ3248	14/07/1994 - 04/08/1994	Recorder Name Withheld	larva		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Ctesias serra</i> (Cobweb Beetle)	SJ3247	26/04/1994	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Cyanapion</i> (<i>Bothryorrhynchapion</i>) <i>gyllenhali</i>	SJ3347	24/09/1997	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Cyphon pubescens</i>	SJ339481	12/10/1988	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Delphacodes capnodes</i>	SJ339481	21/06/1988	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Dicraeus raptus</i>	SJ326486	26/07/1976	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Dicranomyia lucida</i>	SJ322474	12/06/1997	Recorder Name Withheld	1 Adult		Hafod wood Erddig	Habitat: Woodland A1. Method: Netted	D1650/003/01	RD2(UK)N	1
<i>Dioxya bidentis</i>	SJ3347	24/09/1997	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Dorcatoma flavicornis</i>	SJ3248	14/07/1994 - 04/08/1994	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Eledona agricola</i>	SJ3248	14/07/1994 - 04/08/1994	Recorder Name Withheld	Dead		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Elodes minuta</i>	SJ326486	30/07/1980	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Ernodes articularis</i>	SJ339481	3 records, between 21/06/1988 and 19/07/1988	Recorder Name Withheld	1; 2; 7		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N, LBAP[CON]	3
<i>Ernoporicus fagi</i>	SJ336486	11/11/2013	Recorder Name Withheld	5 Adult		Lewis Wood (West)	Hatched later from Beech Bark. Habitat: Woodland: broadleaved A1.1. Method: Hand searching	D1650/002/01	RD2(UK)NA	1
<i>Ernoporicus fagi</i>	SJ3247	26/04/1994	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NA	3
<i>Geophilus osquidatum</i>	SJ3248	09/04/2010	Recorder Name Withheld			Erdigg Greenhouse NT	Method: Casual/turnover	D1743/001/01	RD2(UK)S	3
<i>Grypus equiseti</i> (Horsetail Weevil)	SJ330485	August 2004 - September 2004	Recorder Name Withheld	1		Erddig	Erddig Lake	D1818/001/01	RD2(UK)NB	3
<i>Grypus equiseti</i> (Horsetail Weevil)	SJ333485	August 2004 - September 2004	Recorder Name Withheld	1		Erddig	Erddig Lake	D1818/001/01	RD2(UK)NB	3
<i>Grypus equiseti</i> (Horsetail Weevil)	SJ339481	17/09/2007	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Harmonia axyridis</i> (Harlequin Ladybird)	SJ327481 (Supplied by Original Recorder)	2 records, between 18/06/2015 and 09/07/2015	Recorder Name Withheld	2; 4 Larvae		Erddig Hall and Park	Path in from Car Park; Car Park	D1652/001/01	INNS	1
<i>Harmonia axyridis</i> (Harlequin Ladybird)	SJ327483 (Supplied by Original Recorder)	04/06/2015	Recorder Name Withheld	1		Erddig Hall and Park	Long Herbaceous Border	D1652/001/01	INNS	1
<i>Harmonia axyridis</i> (Harlequin Ladybird)	SJ326483 (Supplied by Original Recorder)	10/09/2015	Recorder Name Withheld	1		Erddig Hall and Park	Long Herbaceous Border	D1652/001/01	INNS	1
<i>Harmonia axyridis</i> (Harlequin Ladybird)	SJ333486	08/03/2010	Recorder Name Withheld			Coed y Glyn field, Erddig	Overwintering under bark with a couple of Two spot Ladybirds	D1117/001/01	INNS	1
<i>Harmonia axyridis</i> (Harlequin Ladybird)	SJ3260248894	18/10/2014	Recorder Name Withheld	468 Adult		Erddig Isaf	Minimum qty - Mixed colonies in house. House and Garden within National Trust Park (deciduous woods and pasture) and Farmland (grazing by sheep occasionally cattle occasional arable).	D1638/001/01	INNS	3
<i>Harmonia axyridis</i> (Harlequin Ladybird)	SJ334488	11/11/2013	Recorder Name Withheld	8 Adult		Coed y glyn wood Erddig	On Gate and Fence Posts. Habitat: Woodland: broadleaved A1.1. Method: Daytime observation	D1650/002/01	INNS	1
<i>Hedobia (Ptinomorphus) imperialis</i>	SJ3247	22/05/1977	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Hydroporus ferrugineus</i>	SJ339480	18/05/1997	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Ischnomera sanguinicollis</i>	SJ324480	17/05/2011	Recorder Name Withheld	1 Adult		Below Erddig Hall	Habitat: Woodland A1. Method: Beating tray	D1650/002/01	RD2(UK)NB, RD2(UK)S	1
<i>Limonia trivittata</i>	SJ334487	21/06/1993	Recorder Name Withheld	1 Female		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Lipsothrix nervosa</i> (Southern Yellow Splinter)	SJ324477	30/07/1980	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	S7	3
<i>Lipsothrix nervosa</i> (Southern Yellow Splinter)	SJ3247	24/05/1994	Recorder Name Withheld	1 Male		Site Name Withheld	Comments Withheld	D0217/001/03	S7	3
<i>Malthinus frontalis</i>	SJ326482	23/06/1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)S	3
<i>Mantura rustica</i>	SJ335484	29/09/2014	Recorder Name Withheld	1 Adult		Big Wood Erddig	In Tussock. Habitat: Woodland: broadleaved A1.1. Method: Hand searching	D1650/002/01	RD2(UK)NB, RD2(UK)S	1
<i>Megatoma undata</i>	SJ3248	14/07/1994 - 04/08/1994	Recorder Name Withheld	larva		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Megatoma undata</i>	SJ3347	18/05/1997	Recorder Name Withheld	2 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Mycetophagus piceus</i>	SJ3248	14/07/1994 - 04/08/1994	Recorder Name Withheld	Dead		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Mycomya britteni</i>	SJ339481	12/10/1988	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Parhelophilus consimilis</i>	SJ324480	16/05/1998	Recorder Name Withheld	2 Female		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NS, RD2(UK)S	3
<i>Planaria torva</i>	SJ327487	1975 - 1979	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	INNS	3
<i>Platycheirus discimanus</i>	SJ326486	14/04/1993	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N, RD2(UK)NS, RD2(UK)S	3
<i>Prionychus ater</i>	SJ326482	23/06/1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Prionychus ater</i>	SJ3248	2 records, both on 14/07/1994	Recorder Name Withheld	Dead; larva		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Psacadina verbekei</i>	SJ336485	17/08/2016	Recorder Name Withheld	1 Female		Erddig River Clywedog	Sweeping	D1650/009/01	RD2(UK)N	1
<i>Psacadina verbekei</i>	SJ339481	05/07/1988	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Psacadina verbekei</i>	SJ3347	24/09/1997	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Pseudotriphyllus suturalis</i>	SJ334488	10/10/2013	Recorder Name Withheld	3 Adult		Coed y glyn wood Erddig	From dead fungi. Habitat: Woodland: broadleaved A1.1. Method: Hand searching	D1650/002/01	RD2(UK)S	1
<i>Pseudotriphyllus suturalis</i>	SJ3347	24/09/1997	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)S	3
<i>Pyrochroa coccinea</i> (Black-headed Cardinal Beetle)	SJ324480	16/05/1998	Recorder Name Withheld	20 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Pyrochroa coccinea</i> (Black-headed Cardinal Beetle)	SJ335484	14/09/1981 - 15/09/1981	Recorder Name Withheld	larva		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Pyrochroa coccinea</i> (Black-headed Cardinal Beetle)	SJ339481	29/05/2009	Recorder Name Withheld	1 Adult		Sontley Moor	Habitat: Grassland: marshy, lowland B5.2. Method: Netted	D1650/002/01	RD2(UK)NB	1
<i>Pyrochroa coccinea</i> (Black-headed Cardinal Beetle)	SJ3248	14/07/1994 - 04/08/1994	Recorder Name Withheld	larva		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Pyrochroa coccinea</i> (Black-headed Cardinal Beetle)	SJ3247	1976	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Quedius (Microsaurus) invreae</i>	SJ339481	13/04/2007	Recorder Name Withheld	1 Adult		Sontley Moor	Habitat: Grassland: marshy, lowland B5.2. Method: Hand searching	D1650/002/01	RD2(UK)NB	1
<i>Quedius (Microsaurus) truncicola</i>	SJ326482	23/06/1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3
<i>Rhyacophila fasciata</i>	SJ327487	1975 - 1979	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N, LBAP[CON]	3
<i>Scenopinus niger</i> (Forest Windowfly)	SJ326486	24/06/1993	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Stenus (Stenus) pusillus</i>	SJ339480	17/09/2007	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NB	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Tabanus cordiger</i> (Plain-eyed Grey Horsefly)	SJ3347	1990 - 1992	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Taphrorychus bicolor</i>	SJ324478	31/05/1998	Recorder Name Withheld	1 Adult		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NA	3
<i>Tetratoma desmarestii</i>	SJ326482	23/06/1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)NA, RD2(UK)S	3
<i>Trypodendron signatum</i>	SJ335484	21/01/2005	Recorder Name Withheld	1 Adult		Big Wood Erddig	In Moss os riverside Alder. Habitat: Woodland: broadleaved A1.1. Method: Hand searching	D1650/002/01	RD2(UK)NB	1
<i>Vanoyia tenuicornis</i> (Long-horned Soldier)	SJ326482	23/06/1993	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Vanoyia tenuicornis</i> (Long-horned Soldier)	SJ326486	2 records, both on 24/06/1993	Recorder Name Withheld	1		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N	3
<i>Xylota xanthocnema</i>	SJ326486	2 records, between 15/06/1992 and 15/06/1993	Recorder Name Withheld	1; 1 Male		Site Name Withheld	Comments Withheld	D0217/001/03	RD2(UK)N, RD2(UK)NS, RD2(UK)S	3
<i>Xylota xanthocnema</i>	SJ335484	2 records, between 15/06/1992 and 15/06/1993	Recorder Name Withheld	1 Adult		Big wood Erddig	Habitat: Woodland: broadleaved. Method: Netted	D1397/001/01	RD2(UK)N, RD2(UK)NS, RD2(UK)S	1

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Plants										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Cicuta virosa</i> (Cowbane / Buladd)	SJ3248	2 records, both in 1989	Recorder Name Withheld			Erddig	Erddig.	D0216/001/03 , D1169/004/02	RD2(UK)NS, RD2(UK)S, LBAP[CON, FLI], LI[VC51]	4
<i>Cotoneaster horizontalis</i> (Wall Cotoneaster / Cotoneaster Asgwrn Pysgodyn)	SJ3249	22/10/2016	Recorder Name Withheld			Rhostyllen		D1169/004/02	INNS, WCA9	3
<i>Crassula helmsii</i> (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ33044860 (Supplied by Original Recorder (GPS))	11/07/2014	Recorder Name Withheld	Numerous		Erddig Park	Extensive growth around lake margin	D1117/001/01	INNS, WCA9	1
<i>Crassula helmsii</i> (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ330486 (Selected from Interactive Map)	13/09/2012	Recorder Name Withheld			Lake at Erddig	Not sure if this can be identified by photo?	D1117/001/01	INNS, WCA9	4
<i>Euphorbia amygdaloides</i> (Wood Spurge / Llaethlys y Coed)	SJ322477	28/06/2006	Recorder Name Withheld			Plas Grono	Hafod Wood N end. Planted?	D1169/004/02	LI[VC50, VC51]	3
<i>Glebionis segetum</i> (Corn Marigold / Melyn yr Yd)	SJ3249	1988	Recorder Name Withheld			Rhostyllen	1st for 10 km sq	D1169/004/02	RD1(UK)VU, LBAP[GWY], LI[VC48, VC49, VC50, VC52]	3
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SJ325483	05/09/2014	Recorder Name Withheld			Erddig Country Park	Hall & Gardens	D1169/004/02	INNS, WCA9	3
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SJ327490	09/06/2011	Recorder Name Withheld			Meanders in erddig park		D1701/001/01	INNS, WCA9	1
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SJ3205847498	23/03/2015	Recorder Name Withheld				Seen frequently	D1625/001/01	INNS, WCA9	1
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SJ3249	22/10/2016	Recorder Name Withheld			Rhostyllen		D1169/004/02	INNS, WCA9	3
<i>Meconopsis cambrica</i> (Welsh Poppy / Pabi Cymreig)	SJ3249	22/10/2016	Recorder Name Withheld			Rhostyllen		D1169/004/02	RD2(UK)NS, RD2(UK)S, LBAP[CON, DEN], LI[VC48, VC49]	3
<i>Ranunculus lingua</i> (Greater Spearwort / Llafnlys Mawr)	SJ3247	21/07/2005	Recorder Name Withheld			Plas Grono	SJ321465 approx. Middle Sontley fish-pools	D1169/004/02	LI[VC48, VC50, VC51]	3
<i>Rhododendron ponticum</i>	SJ325483	13/08/2014	Recorder Name Withheld			Erddig Country Park	Hall & Gardens	D1169/004/02	INNS, WCA9	3
<i>Sinapis arvensis</i> (Charlock / Mwstard Gwyllt)	SJ3349	22/10/2016	Recorder Name Withheld			Hightown		D1169/004/02	RD1(Wales)VU	3
<i>Tilia platyphyllos</i> (Large-leaved Lime / Pisgwydden Dail Mawr)	SJ33414812	Before October 2017	Recorder Name Withheld			Wrecsam - Wrexham	Ancient tree. Form: Maiden. Living status: Alive. Standing/Fallen: Standing	D1793/001/01	RD2(UK)NS, RD2(UK)S, LBAP[CON, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Tilia platyphyllos</i> (Large-leaved Lime / Pisgwydden Dail Mawr)	SJ33434811	Before October 2017	Recorder Name Withheld			Wrecsam - Wrexham	Ancient tree. Form: Maiden. Living status: Alive. Standing/Fallen: Standing	D1793/001/01	RD2(UK)NS, RD2(UK)S, LBAP[CON, FLI]	3
<i>Tilia platyphyllos</i> (Large-leaved Lime / Pisgwydden Dail Mawr)	SJ33464811	Before October 2017	Recorder Name Withheld			Wrecsam - Wrexham	Ancient tree. Form: Maiden. Living status: Alive. Standing/Fallen: Standing	D1793/001/01	RD2(UK)NS, RD2(UK)S, LBAP[CON, FLI]	3
<i>Tilia platyphyllos</i> (Large-leaved Lime / Pisgwydden Dail Mawr)	SJ33484810	Before October 2017	Recorder Name Withheld			Wrecsam - Wrexham	Ancient tree. Form: Maiden. Living status: Alive. Standing/Fallen: Standing	D1793/001/01	RD2(UK)NS, RD2(UK)S, LBAP[CON, FLI]	3

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Reptiles and Amphibians										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Anguis fragilis</i> (Slow-worm / Neidr Ddefaid)	SJ336485	2 records, both in 1990	Recorder Name Withheld			Sontley Bridge, Erddig NT		D0035/002/01 , D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Anguis fragilis</i> (Slow-worm / Neidr Ddefaid)	SJ3349	Before 1903	Recorder Name Withheld			Wrexham	NBN comment: publication date	D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ3289848267 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	1000 Larva/Tadpole	Torch Count	Erddig: P02 Haha		D1320/014/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadenog)	SJ321486 (Estimated (Centroid of Site))	08/04/2002	Recorder Name Withheld	+		Erddig	Torch survey	D1310/001/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	4
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ3278348378 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	3 Adult Male	Torch Count	Erddig: P14 Den Building Pond		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton helveticus</i> (Palmate Newt / Madfall Ddwr Balfog)	SJ3252447974 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	1 Adult Male	Torch Count	Erddig: P30 Obstacle Field		D1320/014/01	Bern, WCA5, LBAP[ANG, CON, DEN, FLI]	3
<i>Lissotriton vulgaris</i> (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3273348112 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	5 Adult Male; 4 Adult Female	Torch Count	Erddig: P01 Car Park		D1320/014/01	Bern, WCA5, LBAP[CON, DEN, FLI]	3
<i>Natrix helvetica</i> (Grass Snake)	SJ3289248303 (GPS Reading)	05/06/2014	Recorder Name Withheld	1 Adult	Live Sighting	Erddig	Basking near pond. Ranger reports regular sightings in National Trust garden and nearby Motte.	D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ331486	12/07/1996	Recorder Name Withheld			Erddig Country Park		D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ333486	2 records, both in 1990	Recorder Name Withheld			Coed y Glyn Lake, Erddig NT		D0035/002/01 , D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ335486	02/07/1996	Recorder Name Withheld			Sontley Road car park		D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ321476	22/06/1996	Recorder Name Withheld			Hafod Wood, small lake		D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ336485	3 records, between 1990 and 04/05/1995	Recorder Name Withheld			Sontley Bridge, Erddig NT		D0035/002/01 , D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ3262549160 (GPS Reading)	05/06/2014	Recorder Name Withheld	1 Adult Female	Live Sighting	Felin Puleston	Basking at base of fallen tree trunk close to river on National Trust land.	D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ324492	22/05/1995	Recorder Name Withheld			Felin Puleston		D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ321472	2 records, both in 1990	Recorder Name Withheld			Hafod Wood Lake, Erddig NT		D0035/002/01 , D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Natrix helvetica</i> (Grass Snake)	SJ338476	2 records, both in 1990	Recorder Name Withheld			Sontley Moor, Erddig NT		D1076/001/02 , D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ3278348378 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	1 Adult (Sex Unknown)	Torch Count	Erddig: P14 Den Building Pond	Deceased - Red ulcer located on legs. Underside.	D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ3255547954 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	3 Adult (Sex Unknown)	Torch Count	Erddig: P25 Silt Pond Field		D1320/014/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SJ3248	1966	Recorder Name Withheld			Wrexham, Erddig Park		D1076/001/02	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3273348112 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	5 Adult Female; 2 Adult Male	Torch Count	Erddig: P01 Car Park	Females were egg laying. Folded leaves seen in the pond.	D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ32794830 (Approximate)	1992	Recorder Name Withheld	Present		Erddig Country Park		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ3278348378 (Supplied by Original Recorder)	23/04/2018	Recorder Name Withheld	2 Adult Male; 2 Adult Female; 2 Juvenile (Sex Unknown)	Torch Count	Erddig: P14 Den Building Pond		D1320/014/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ323476	2 records, both in 1984	Recorder Name Withheld			Hafod Wood N.R.		D1076/001/02	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ32574745 (Estimated (Centroid of Site))	28/04/2008	Recorder Name Withheld	2 Adult		Erddig	Torch survey	D1310/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Triturus cristatus</i> (Great Crested Newt / Madfall Ddwr Gribog)	SJ32354735 (Approximate)	1992	Recorder Name Withheld	Present		Near Hafod Wood		D1118/011/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	4
<i>Vipera berus</i> (Adder / Gwiber)	SJ324492	2 records, between 1992 and 2011	Recorder Name Withheld			Felin Puleston	Bitten on leg after treading on snake close to Woodland Cottage; Bitten on arm in garden of Woodland Cottage (NT). Hospitalised for treatment.	D0035/002/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Zootoca vivipara</i> (Common Lizard / Madfall)	SJ336485	2 records, both in 1990	Recorder Name Withheld			Sontley Bridge, Erddig NT		D0035/002/01 , D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Zootoca vivipara</i> (Common Lizard / Madfall)	SJ3349	Before 1903	Recorder Name Withheld			Wrexham	NBN comment: publication date	D1076/001/02	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Statutory Sites intersecting 1000m buffer	SSSI: 950: Sontley Marsh (957m)
Wildlife Sites intersecting 1000m buffer	W317: Erddig Estate (0m)
NWWT Reserves intersecting 1000m buffer	None
RSPB Reserves intersecting 1000m buffer	None
RIGS intersecting 1000m buffer	None
Ancient Woodland intersecting 1000m buffer	33394: Ancient Semi Natural Woodland (0m), 37163: Restored Ancient Woodland Site (10m), 30634: Restored Ancient Woodland Site (107m), 37161: Restored Ancient Woodland Site (114m), 33393: Ancient Semi Natural Woodland (183m), 28950: Ancient Semi Natural Woodland (200m), 33391: Ancient Semi Natural Woodland (212m), 26716: Ancient Semi Natural Woodland (219m), 30635: Restored Ancient Woodland Site (231m), 30641: Restored Ancient Woodland Site (246m), 33398: Ancient Semi Natural Woodland (258m), 30637: Restored Ancient Woodland Site (313m), 37159: Restored Ancient Woodland Site (326m), 33403: Ancient Semi Natural Woodland (401m), 28948: Ancient Semi Natural Woodland (456m), 33390: Ancient Semi Natural Woodland (492m), 28953: Ancient Semi Natural Woodland (529m), 30638: Restored Ancient Woodland Site (534m), 33408: Ancient Semi Natural Woodland (629m), 28947: Ancient Semi Natural Woodland (630m), 33402: Ancient Semi Natural Woodland (756m), 33399: Ancient Semi Natural Woodland (848m), 30645: Ancient Semi Natural Woodland (934m), 33396: Ancient Semi Natural Woodland (960m)
Phase I Habitats intersecting 1000m buffer (Habitat at central point shown in red, if found)	A.1.1.1: Semi-natural Broad-leaved Woodland (12.65% / 466,728 sq.m) , A.1.1.2: Planted Broad-leaved Woodland (0.15% / 5,367 sq.m), A.1.2.2: Planted Coniferous Woodland (0.15% / 5,383 sq.m), A.2.1: Dense Scrub (0.08% / 2,834 sq.m), B.2.2: Semi-improved Neutral Grassland (0.2% / 7,420 sq.m), B.4: Improved Grassland (55.53% / 2,048,236 sq.m), B.5: Marshy Grassland (0.36% / 13,255 sq.m), E.3.2: Basin Mire (0.02% / 599 sq.m), F.1: Swamp (0.26% / 9,436 sq.m), G.1: Standing Water (0.75% / 27,511 sq.m), G.2: Running Water (0.35% / 12,960 sq.m), J.1.1: Arable (16.48% / 607,864 sq.m), J.1.2: Amenity Grassland (1.95% / 72,011 sq.m), J.3.6: Buildings (8.84% / 325,933 sq.m), J.3.7: Track (0.07% / 2,515 sq.m), NA: Not Accessed Land (0.13% / 4,764 sq.m)

Appendix 2: Site Species list

Plants			
Scientific name	Common name	Habitat	Frequency (DAFOR)
<i>Acer pseudoplatanus</i>	Sycamore	A1.1.1, J2.1.1	O
<i>Acer saccharinum</i>	Silver Maple	A1.1.1	R
<i>Achillea millefolium</i>	Yarrow	J2.1.1	R
<i>Agrostis capillaris</i>	Common Bent	J5, J2.1.1	LO, O
<i>Alisma plantago-aquatica</i>	Water-plantain	G1.2	O
<i>Anisantha sterilis</i>	Barren Brome	J2.1.1	R
<i>Arrhenatherum elatius</i>	False Oat-grass	B5	R
<i>Arum maculatum</i>	Lords-and-ladies	A1.1.1	R
<i>Asplenium ruta-muraria</i>	Wall-rue	J2.5	O
<i>Calystegia sepium</i>	Hedge Bindweed	B5	R
<i>Centaurea nigra</i>	Common Knapweed	B5	R
<i>Chamerion angustifolium</i>	Rosebay Willowherb	B5	R
<i>Cirsium arvense</i>	Creeping Thistle	B5	O
<i>Cirsium vulgare</i>	Spear Thistle	B5, J5	O, R
<i>Clematis vitalba</i>	Traveller's-joy	J2.1.1	O (LA)
<i>Corylus avellana</i>	Hazel	A1.1.1, J2.1.1	R
<i>Corylus</i> cv.	Hazel (Cobnut) cultivars	J5	O
<i>Cotoneaster</i> sp./cv.	A Cotoneaster	A1.1.1	R
<i>Crataegus monogyna</i>	Hawthorn	A1.1.1, J5, J2.1.1	F, O, A
<i>Crataegus</i> sp.	Exotic Hawthorn species	J5	O
<i>Dactylis glomerata</i>	Cock's-foot	J5, J2.1.1	R, O
<i>Digitalis purpurea</i>	Foxglove	J2.1.1	R
<i>Epilobium ciliatum</i>	American Willowherb	B5, J2.1.1	O, R
<i>Epilobium hirsutum</i>	Great Willowherb	B5	R
<i>Epilobium parviflorum</i>	Hoary Willowherb	B5	O
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	A1.1.1	O
<i>Equisetum arvense</i>	Field Horsetail	B5	A (LD)
<i>Fagus sylvatica</i>	Beech	A1.1.1, J2.1.1	R
<i>Festuca rubra</i> agg.	Red Fescue	J2.1.1	R

Plants			
Scientific name	Common name	Habitat	Frequency (DAFOR)
<i>Filipendula ulmaria</i>	Meadowsweet	B5	R
<i>Fraxinus excelsior</i>	Ash	A1.1.1	O
<i>Galium aparine</i>	Cleavers	J2.1.1	R
<i>Geranium robertianum</i>	Herb-Robert	J2.1.1	O
<i>Geum urbanum</i>	Wood Avens	A1.1.1, B5, J2.1.1	R, O, F
<i>Glechoma hederacea</i>	Ground-ivy	J2.1.1	O
<i>Hedera helix</i>	Ivy	A1.1.1, J2.1.1	O (LA), F
<i>Heracleum sphondylium</i>	Hogweed	B5, J2.1.1	R
<i>Holcus lanatus</i>	Yorkshire Fog	B5, J5, J2.1.1	O, O, R
<i>Hypericum perforatum</i>	Perforate St. John's-wort	B5	O
<i>Ilex aquifolium</i>	Holly	A1.1.1, J2.1.1	R, O
<i>Juncus articulatus</i>	Jointed Rush	G1.2	O
<i>Juncus inflexus</i>	Hard Rush	G1.2	O
<i>Lemna minor</i>	Common Duckweed	G1.2	O
<i>Leontodon autumnalis</i>	Autumn Hawkbit	J5	R
<i>Lolium perenne</i>	Perennial Rye-grass	J5	A
<i>Lotus pedunculatus</i>	Marsh Trefoil	B5	R
<i>Malus</i> cv.	Apple cultivars	J5	O
<i>Matricaria discoidea</i>	Pinappleweed	J5	LO
<i>Mercurialis perennis</i>	Dog's-mercury	A1.1.1, J2.1.1	R
<i>Plantago lanceolata</i>	Ribwort Plantain	J5	R
<i>Plantago major</i>	Greater Plantain	J5	O
<i>Poa trivialis</i>	Rough-stalked Meadow-grass	B5, J2.1.1	O
<i>Potentilla anserina</i>	Silverweed	G1.2	O
<i>Potentilla reptans</i>	Creeping Cinquefoil	J5	O
<i>Prunella vulgaris</i>	Selfheal	B5	O
<i>Prunus domestica</i>	Damson	J2.1.1	R
<i>Prunus laurocerasus</i>	Cherry-laurel	A1.1.1	O
<i>Prunus spinosa</i>	Blackthorn	J2.1.1	R
<i>Pyrus</i> cv.	Pear cultivars	J5	R

Plants			
Scientific name	Common name	Habitat	Frequency (DAFOR)
<i>Quercus cerris</i>	Turkey Oak	J2.1.1	R
<i>Quercus petraea</i>	Sessile Oak	B5, J2.1.1	R, O
<i>Ranunculus repens</i>	Creeping Buttercup	J5, B5, G1.2, J2.1.1	O
<i>Rosa canina</i> agg.	Dog-rose	J2.1.1	O
<i>Rubus fruticosus</i> agg.	Bramble	B5, J2.1.1	O
<i>Rumex crispus</i>	Curled Dock	B5	R
<i>Rumex obtusifolius</i>	Broadleaved Dock	J5	R
<i>Rumex sanguineus</i>	Wood Dock	J2.1.1	R
<i>Salix alba</i>	White Willow	A1.1.1	R
<i>Salix cinerea</i>	Grey Willow	B5	R
<i>Salix fragilis</i>	Crack Willow	A1.1.1, J2.1.1	R
<i>Sambucus nigra</i>	Elder	A1.1.1, J2.1.1	O
<i>Senecio jacobaea</i>	Common Ragwort	B5, J5	O, R
<i>Silene dioica</i>	Pink Campion	J2.1.1	LO
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	J5	R
<i>Stachys sylvatica</i>	Hedge Woundwort	B5	O
<i>Tanacetum parthenium</i>	Feverfew	J5	R
<i>Taraxacum</i> agg.	Dandelion	J5	O
<i>Torilis japonica</i>	Upright Hedge-parsley	J2.1.1	R
<i>Trifolium repens</i>	White Clover	J5, B5	O (LF)
<i>Typha latifolia</i>	Bulrush	G1.2	A
<i>Urtica dioica</i>	Nettle	B5, J2.1.1	O
<i>Veronica chamaedrys</i>	Germander Speedwell	B5	O
<i>Vicia sativa</i>	Common Vetch	J2.1.1	R
<i>Vicia sepia</i>	Bush Vetch	B5, J2.1.1	R, O
<i>Viscum album</i>	Mistletoe	J5	LA

Appendix 3: Photographs



Photo's 1 & 2. Views of the Broadleaved Woodland habitat; a mixture of native and exotic species, with intact canopy and shrub layers but with a sparse field layer.





Photo 3. Marshy grassland habitat. The abundant or dominant Field Horsetail is not obvious in this view. A Grass Snake was observed here on the 25th of July 2018.



Photo 4. Mesotrophic Standing Water, with substantial cover of aquatic macrophytes and significant potential to act as breeding habitat for Great Crested Newts (HSI = 0.89). There would be no impact on this habitat as a result of the proposed development.



Photo 5. The car park, with tarmac access roads and amenity grassland parking bays and scattered trees and shrubs.



Photo 6. Intact Species-rich Hedgerow runs along the southern and eastern boundaries of the site.



Photo 7. A view of the wall which runs along the northern and western boundaries of the site. It is colonised by occasional Wall-rue but is otherwise of negligible utility for any protected animal species.

Appendix 4: Calculation of RPA's

For single stemmed trees, the RPA radius = the Diameter at Breast Height $\times 12$.

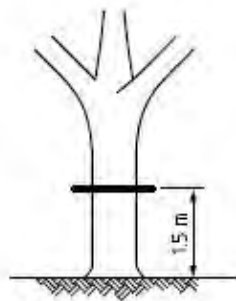
For trees with multiple stems, the RPA radius = the combined DBH $\times 12$. To calculate the combined DBH of a multi-stemmed tree: -

EITHER $\sqrt{(\text{stem diameter } 1)^2 + (\text{stem diameter } 2)^2 \dots + (\text{stem diameter } 5)^2}$ (for up to 5 stems);

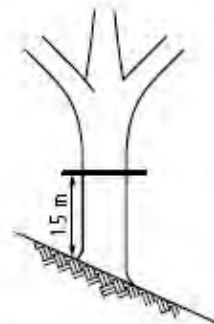
OR $\sqrt{(\text{mean stem diameter})^2 \times \text{number of stems}}$ (for more than 5 stems)

For hedgerows, the RPA will run parallel to the line of the hedge and its width will be 12 times the basal diameter of the average (mean) stem, measured from the centre-line of the hedgerow.

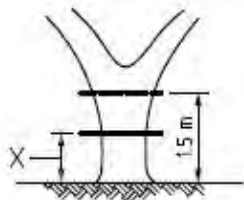
To measure the DBH:



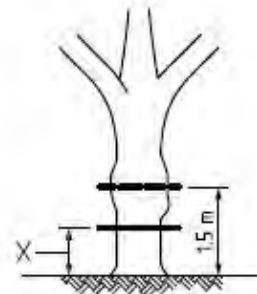
a) Stem diameter measured at 1.5 m above ground level



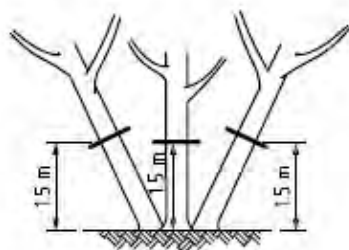
b) Measurement on sloping ground



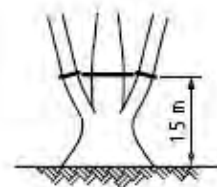
c) Trees with low branching measured at narrowest point below the fork



d) Measurement of stem with irregular swelling made at the narrowest point below the swelling



e) Measurement of a multi-stemmed tree



f) Measurement of a tree with more than one stem at 1.5 m above ground level

Key

X Height varies

(taken from BS5837:2012 'Trees in relation to design, demolition and construction - Recommendations', British Standards Institution)