Report Title	**Proposed Installation of Solar Photovoltaic Panels on Land off Hafod Road, Johnstown, Wrexham – Preliminary Ecological Appraisal**
Date issued	**20th August 2025**
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Report Version	**C520/ 3.0**
Client	**National Trust**
Contract Ref.	**C520**

this report was produced by

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Quality Assurance

Survey/ Assessment Work Schedule		
Survey/Assessment Type	**Surveyors/ Author**	**Date**
Extended Phase 1 Habitat Survey	Tom Knight	15/08/23
Ecological background data search	Tom Knight	August 2023
Walkover Survey	Tom Knight	7th April 2025
Hedgerow Survey	Tom Knight	13th May 2025
Schedule 9 Plant Survey	Tom Knight	13th May 2025

Review Schedule				
Issue	**Date**	**Author**	**Reviewed by**	**Approved by**
1.0	29/08/23	Tom Knight	Max Ellson	Max Ellson
Version 1.0 considered two adjoining parcels of land. Final scheme design was not available & the report was issued internally to the client only.				
2.0	25/06/25	Tom Knight	Max Ellson	Max Ellson
Area 2 as identified in Version 1.0 was removed from the PEA.				
3.0	20/08/25	Tom Knight	Max Ellson	Max Ellson
Minor amendments following internal review. Changes to proposed development site boundary, drainage, etc.				

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

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

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at their own risk.

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

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1 INTRODUCTION

1.1 Project Background

1.1.1 Marches Ecology was commissioned by the National Trust to undertake a Preliminary Ecological Appraisal of land off Hafod Road, Johnstown, Wrexham (Approximate OS Grid Ref. SJ 3130 4588). This Preliminary Ecological Appraisal (PEA) comprised an ecological background data search and an Extended Phase 1 Habitat Survey which were completed in 2023. A Walkover Survey was completed in 2025 to confirm/ update the findings of the Extended Phase 1 Habitat Survey. Further to the survey in 2023 it was also identified that a Hedgerow Survey and a *Schedule 9* plant survey were required. These surveys were also undertaken in 2025.

1.1.2 This Ecological Appraisal is required to consider the potential impacts due to the proposed installation of solar photovoltaic (PV) panels on part of the site along with associated infrastructure. This report is provided as supporting information to a planning application.

1.1.3 The 'survey site' defined for this Appraisal includes a larger area of land than the 'proposed development site'. The survey site boundary is shown on *Figure 1*. The proposed development site boundary is shown on a Dulas Ltd plan: *Figure 2* – Proposed Layout, Revision A, date unknown. The proposed development site (shown with a solid red line on the Dulas Ltd plan) essentially excludes that part of the arable field to the east and south of the solar array that is to be retained for agricultural use (shown with a solid blue line on the Dulas Ltd plan).

1.1.4 The Baseline Ecological Conditions (*Section 3*) in this report covers the results for the survey site in order to provide additional contextual information. The Evaluation, Assessment and Recommendations (*Section 4*) considers the proposed development site and immediately surrounding area. The wider survey site is only considered in *Section 4* where relevant due to potential indirect impacts and or for mitigation/ enhancement. The terms 'survey site' and 'proposed development site' are used throughout this report to differentiate between these two areas.

1.1.5 This report has three key aims:

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

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

1.2 Report Author

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

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

1.3 Site Description and Context

1.3.1 The survey site including boundaries extends to approximately 4.65 hectares. It is essentially a single arable field unit with a large tree/ small patch of scrub and short stretch of ditch in the northeast corner. It is bordered by hedgerows, scrub/ tall ruderals and woodland. The survey site boundary is shown on *Figure 1*.

1.3.2 The survey site is located to the east of the large village of Johnstown and partly to the immediate east of Hafod Road. To the immediate north of the survey site there is a loosely surfaced agricultural track. On the opposite side of which there are ex-agricultural grassland fields. These fields are the subject of a recent woodland creation scheme (Hafod y Bwch Commemorative Woodland). To the immediate east the survey site is bounded by the A483 road and associated embankment, and a small triangle of woodland. To the east of the A483 there are further arable fields and grazed pastures. The southern boundary is bordered by the B5426 road and a thin strip of woodland. On the opposite side of which there are agricultural grassland and arable fields. Hafod Landfill site is located to the southwest.

1.3.3 Hafod Road borders the southern part of the western side of the survey site. The Dennis of Ruabon tile-works complex is on the opposite side of Hafod Road. This area includes industrial premises as well as scrub, trees, tall ruderals and grassland. There is also a large area that has been established as a mitigation site for Great Crested Newts and includes a number of ponds. The Hafod House Residential Home and a collection of other buildings including occupied residential properties are located to the west of the northern part of the survey site. This area includes disused/ dilapidated buildings, areas of woodland, scrub, tall ruderals and rough grassland.

1.4 The Proposal

1.4.1 The proposed development is briefly presented on a Dulas Ltd plan: *Figure 2* – Proposed Layout, Revision A, date unknown. The solar array would be located in the southern part of the site.

1.4.2 The Design and Access Statement provides further information (Dulas 2025). The estimated annual output of the proposed solar array would be approximately 1.05MW hours. The following text is reproduced from Dulas (2025):

'*The solar panels are to be arranged in an east to west alignment, with each panel angled so that the southern edge is lower than the northern edge, thereby maximising sunlight exposure. All panels will be south facing*'.

'*The panels will be ground mounted through the use of poles which are pushed into the ground. In addition to the rows of panels, there will also be string inverters and substations (Distribution Network Operator (DNO) and client). The site will be secured by security fencing and CCTV*'.

'*The grid connection point for the solar scheme will be at the DNO substation, as shown on Figure 2 – Site Layout. There will be an underground cable from the customer substation to the DNO substation*'.

'*The indicative installed capacity of the entire installation is 1072kW, comprising approximately 2256 solar PV panels. In addition, there will be site cabling and a client substation. String inverters, attached to the underside of the solar arrays, will be connected back to the substation which in turn is connected to the DNO substation west of the array*'.

'*The solar panels, mounting frames and inverter will be delivered to site in approximately 216 HGV loads, which themselves will be staggered throughout the construction period. Ground-mount steel frames will be required for the panels, which will be anchored to the ground using piles*'.

'*Access to the site during the construction phase will be from the north east of the site, along an existing track off the Hafod Road, opposite the brickworks. An existing entrance into the site will be utilised*'.

'*After commissioning, the site will only be visited during routine monthly maintenance checks, using 4x4 vehicles or similar. The access route during the operational phase will be the same as per the construction route*'.

'*The overall area required for the proposed solar farm will be approximately 2.9 ha, including the areas between the arrays, fencing, substation, access track and temporary compound*.'

1.4.3 A series of Dulas Ltd plans (*Figures 3* to *9*) show a cross section of the proposed access track, the panels and mounting system, substations, a cross section of the cable trench and, fencing and CCTV, and a cross section of the cable trench. A temporary construction compound (required for the duration of the construction phase) will be located within the northwest corner of the site.

1.4.4 It is anticipated that the construction phase would extend to 16 weeks with approximately 25 personnel working on site during this period. There would be approximately 14 deliveries per week throughout this period.

1.4.5 A Construction Environmental Management Plan (Dulas 2025a) has been produced. This document will be followed throughout the construction phase.

1.5 Planning Policy

Introduction

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

Wales

Planning Policy Wales

1.5.2 Planning Policy Wales (PPW) sets out national land use planning policies (Welsh Government 2024). In a letter[1] dated 11th October 2023 along with an associated Annex[2] the Minister for Climate Change outlined some changes to be included in Edition 12. The main changes include the areas of 'Green Infrastructure', 'Net Benefit for Biodiversity', 'Protection for SSSIs' and 'Trees and Woodlands'.

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

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

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

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

Furthermore, it states that:

'*It is important that biodiversity and ecosystem resilience considerations are taken into account at an early stage in both development plan preparation and when proposing or considering development proposals*'.

[1] *Letter to Heads of Planning from Julie James, Minister for Climate Change, dated 11 October 2023. Ref. MA/JJ/2512/23.*

[2] *Annex to Heads of Planning Letter Dated 11 October 2023: Addressing the Nature Emergency through the Planning System: Updated National Planning Policy for Chapter 6 of Planning Policy Wales*.

'*All reasonable steps must be taken to maintain and enhance biodiversity and promote the resilience of ecosystems and these should be balanced with the wider economic and social needs of business and local communities. Where adverse effects on the biodiversity and ecosystem resilience cannot be avoided or mitigated, it will be necessary to refuse planning permission*'.

Use of the mitigation hierarchy is emphasised:

'*Planning authorities must follow a stepwise approach to maintain and enhance biodiversity, build resilient ecological networks and deliver net benefits for biodiversity by ensuring that any adverse environmental effects are firstly avoided, then minimized, mitigated, and as a last resort compensated for. Enhancement must be secured by delivering a biodiversity benefit primarily on site...*'.

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

Technical Advice Note 5

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

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

- *pay particular attention to the principles of sustainable development, including respect for environmental limits, applying the precautionary principle, using scientific knowledge to aid decision making and taking account of the full range of costs and benefits in a long term perspective (PPW 2.2.1[3]);*
- *contribute to the protection and improvement of the environment, so as to improve the quality of life and protect local and global ecosystems, seeking to avoid irreversible harmful effects on the natural environment (PPW 2.3.2);*
- *promote the conservation and enhancement of statutorily designated areas and undeveloped coast (PPW 2.3.2);*
- *ensure that appropriate weight is attached to designated sites of international, national and local importance (PPW 5.3.2);*
- *protect wildlife and natural features in the wider environment, with appropriate weight attached to priority habitats and species in Biodiversity Action Plans (PPW 5.2);*
- *ensure that all material considerations are taken into account and decisions are informed by adequate information about the potential effects of development on nature conservation (PPW paragraphs 5.5.1 and 5.5.2);*

[3] References to the relevant part of PPW.

- *ensure that the range and population of protected species is sustained (PPW 5.2.3, 5.5.11 and 5.5.12);*
- *adopt a step-wise approach to avoid harm to nature conservation, minimise unavoidable harm by mitigation measures, offset residual harm by compensation measures and look for new opportunities to enhance nature conservation; where there may be significant harmful effects local planning authorities will need to be satisfied that any reasonable alternative sites that would result in less or no harm have been fully considered (PPW 5.2.2, 5.2.7 and 5.5.2)*.

Wrexham

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

Wrexham Local Development Plan

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

The strategic policies include:

- *Policy SP2. Location of Development.*
- *Policy SP5. Planning Obligations.* This includes ecological mitigation.
- *Policy SP12. Design Principles and Masterplanning Framework.*
- *Policy SP14. Natural Environment. Development will only be permitted where it seeks to protect, conserve and enhance the natural environment including:*
  - *Special Areas of Conservation, Special Protection Areas, and Ramsar Sites;*
  - *Sites of Special Scientific Interest and National Nature Reserves;*
  - *Protected Species and their habitat;*
  - *The Clwydian Range and Dee Valley Area of Outstanding Natural Beauty*
  - *Local Wildlife Sites;*
  - *Local Nature Reserves;*
  - *Special Landscape Areas;*
  - *Natural landscape features and Green Infrastructure such as trees, hedges and woodland which contribute to the quality and diversity of the natural environment and play an important role in mitigating the impact of climate change;*
  - *The quality of natural services including water, soundscape, air and soils; and*
  - *Habitats and species of principal importance to Wales.*
- *Policy SP18. Climate Change.* Includes maintaining ecological resilience.
- *Policy SP19. Green Infrastructure. Development will be required to maintain the extent, quality and connectivity of multifunctional green infrastructure on or near a site, and, where appropriate to enhance it.*

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

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

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

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

Local Planning Guidance

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

- LPG 17 Trees and Development. Adopted September 2000, Updated December 2012.
- LPG 32 Biodiversity and Development. Adopted March 2011. Of particular importance it details the requirements for ecological survey and reporting.
- LPG 35 Great Crested Newt Mitigation Requirements – Johnstown Newt Site SAC and the Wider Countryside. Adopted June 2018.

1.6 Legislation

Introduction

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

1.6.2 The UK exited the EU on 31st January 2020 followed by a transition period until the end of that year during which EU legislation and policy was followed[4]. '*EU legislation which applied directly or indirectly to the UK before 11.00 pm on 31st December 2020 has been retained in UK law as a form of domestic legislation known as 'retained EU legislation'. This is set out in Sections 2 and 3 of the European Union (Withdrawal) Act 2018*'[5].

The Conservation of Habitats and Species Regulations 2017, as amended (The Regulations)

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

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

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

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

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

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

1.6.6 *Sections 40* to *42* of the NERC Act replace *Section 74* of the CRoW Act. *Section 40* of the NERC Act extends to all public authorities (including local planning authorities) the existing *Section 74* duty to have regard to biodiversity as far as is consistent with the proper exercise

[4] https://cieem.net/referencing-environmental-eu-legislation-post-brexit/

[5] https://www.legislation.gov.uk/eu-legislation-and-uk-law#:~:text=The%20UK%20is%20no%20longer,on%20legislation.gov.uk

of their functions. In addition, *Sections 41* (England) and *42* (Wales) provide a list of species and habitats of principal importance for conservation of biological diversity. Government has a statutory duty to promote steps "to further the conservation" of habitats and species listed in *Sections 41* and *42*.

Environment (Wales) Act 2016

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

***The Protection of Badgers Act 1992* (The Badgers Act)**

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

2 METHODOLOGY

2.1 Desk Study

2.1.1 A desk study was undertaken in August 2023 to provide background information on the ecological status of the survey site and its surroundings (a 1 km search area centred on the site was defined). Information was requested from Cofnod. Information sought included designated (nature conservation) sites, Ancient Woodland/ other habitats, legally protected species and other species of nature conservation interest. In addition, contextual information available on the MAGIC environmental database (http://magic.defra.gov.uk/) was consulted.

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

2.2 Field Survey

Extended Phase 1 Habitat Survey

2.2.1 The Extended Phase 1 Habitat Survey was carried out on 15th August 2023 by Tom Knight of Marches Ecology. The Extended Phase 1 Habitat plan is provided as *Figure 1*. The survey focussed on land within the site boundary (the 'survey site', refer to *Figure 1*). The survey site includes a larger area of land than the proposed development site. Immediately adjacent habitat was considered where deemed appropriate and viewed from the survey site boundary where possible. The weather during the survey was 30-90% white/ grey cloud cover with some spells of bright sunshine and a light breeze.

2.2.2 A Walkover Survey to review and update the Extended Phase 1 Habitat Survey was carried out on 7th April 2025 by Tom Knight. The habitat descriptions provided in *Section 3*, Target Notes provided in *Section 5*, plant species list in *Section 7* and the Extended Phase 1 Habitat Survey plan (*Figure 1*) have all been updated accordingly. The weather during the survey was largely cloudless skies with bright sunshine and a light breeze.

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

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

2.2.4 In addition to the habitat map and target notes, a plant species list was compiled (provided in *Table 2, Section 7*). Plant nomenclature in this report follows Stace (2022). April and August are within the accepted survey period for Extended Phase 1 Habitat Surveys. It is unrealistic to suppose that walk-through surveys can generate completely exhaustive

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

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

- Badger. Areas within the survey site that might be used by Badger for foraging and sett building were assessed. Incidental foraging signs, tree scratching, paths, latrines and setts were recorded if found (Harris *et al.*, 1989).
- Bats. The potential value of the habitat for foraging/ commuting and roosting was assessed in accordance with *Table 4.1* provided in Collins (2023).
- Great Crested Newts. The quality of terrestrial and aquatic habitat for Great Crested Newts was assessed. The assessment of aquatic habitat was based on the Habitat Suitability Index (Oldham, *et al*. 2000).
- Reptiles. A qualitative assessment of the habitat for reptiles was undertaken. The survey involved identifying potential basking areas, hibernation sites and foraging habitat. English Nature (2004) provides information on the distribution and ecology of the four widespread species. Habitat requirements differ between species but are summarised in Edgar *et al*. (2010).
- Birds. The habitat within the survey site was assessed for its potential value for breeding birds based on guidance provided in *e.g*., JNCC (2004).

2.3 *Schedule 9* Plant Survey

2.3.1 Non-native invasive plants are listed under *Part II* of *Schedule 9* of the *Wildlife and Countryside Act 1981*[6]. Henceforth in this report such plants will be referred to as *'Schedule 9* plants'.

2.3.2 The *Schedule 9* plant survey was undertaken on 13th May 2025 by Tom Knight of Marches Ecology. The weather was warm with bright sunshine, a light breeze and 0% cloud.

2.3.3 All parts of the survey site were visited wherever possible. Immediately adjacent habitat was considered where deemed appropriate and viewed from the survey site boundary where possible.

2.3.4 Where *Schedule 9* plants were identified the species, growth state and exact location were recorded. The location was recorded on a plan of the survey site.

2.3.5 May is an optimal time of the year for general botanical recording, although some flowering species may not be visible. In some instances, identification to species level is aided by interrogation of features present at different times of the year (*e.g*., flowers and fruit on Cotoneasters). While every effort was made no guarantee can be provided that all *Schedule 9* plants within the survey site were found/ recorded.

2.4 Hedgerow Survey

2.4.1 Two hedgerows located within the survey site (*Target Notes 6* and *9*) were surveyed in detail in order to identify 'important' hedgerows within the meaning of the *Hedgerow Regulations 1997* (ecological criteria only). They were assessed in relation to *paragraphs 6* to *8* of *Part II* of *Schedule 1*, but excluding *sub-paragraph 6(1)(b)*. The survey was completed on 13th May

[6] http://www.legislation.gov.uk/ukpga/1981/69/schedule/9

2025 by Tom Knight of Marches Ecology. The weather was warm with bright sunshine, a light breeze and 0% cloud. The methodology is based on the criteria included within the *Hedgerow Regulations 1997* themselves and guidance provided in DoE (1997b). It requires recording of woody species ('*Schedule 3* species') within 30 m stretches as well as a range of features such as hedge-banks, ditches, number of gaps, number of standard trees, presence of woodland species ('*Schedule 2* species'), connections with other hedgerows, *etc*. It should be noted that interpretation of hedgerow data can be subject to uncertainties due to ambiguities in the *Hedgerow Regulations 1997* that have not been tested in legal cases.

2.4.2 Hedgerows may qualify as 'important' hedgerows on archaeological/ historical grounds as well as ecological grounds. Archaeological/ historical matters are not addressed here; this report relates only to whether hedgerows qualify as 'important' on ecological grounds. Ecological criteria for identification of 'important' hedgerows are as set out in the *Hedgerow Regulations 1997*.

2.4.3 The *Regulations* relate to a 'hedgerow', *e.g*. simplistically a line of shrubs/ tree species usually managed as such. While the term hedgerow is not defined in the *Hedgerow Regulations 1997* the guidance document (DoE 1997b) does provide some assistance. DoE (1997b) states '*Where a former hedgerow has not been actively managed and has grown into a line of trees, it is not covered by the Regulations*'. While the western, approximately half, of the hedgerow at *Target Note 9* is managed as such, the eastern half is only managed on the field-side, and grades into the adjacent woodland. It is difficult to establish where this hedgerow may begin/ end, and therefore what stretch of it is applicable under the *Hedgerow Regulations 1997*. For the purpose of this assessment the entire stretch between the corner of Hafod Road/ the B5426 and the southeast corner of the arable field (within the survey site) has been included.

2.4.4 It was initially thought that both of these hedgerows would be directly impacted by the proposed development (through minor breaches). It has subsequently been confirmed that this will not be the case and neither will be directly impacted.

2.5 Survey Limitations

2.5.1 The following may be considered survey limitations:

- The Extended Phase 1 Habitat Survey was undertaken following a day of heavy rain. This may have obscured/ destroyed evidence of use by protected/ notable species.
- The Walkover Survey was undertaken during a prolonged dry spell and the ground was hard. This may have obscured/ destroyed evidence of use by protected/ notable species.
- Some small parts of the survey site are characterised by dense scrub/ vegetation which may have obscured evidence of use by protected/ notable species and/ or the presence of *Schedule 9* plants. Access was also difficult in areas characterised by dense Bramble, *etc*.
- It was not possible to access all of the boundary at *Target Note 2* to look for *Schedule 9* plants due to dense scrub/ vegetation.
- The southern half of the arable field was cultivated at some stage in April/ May 2025 and as such this activity may have obscured the presence of *Schedule 9* plants.

- The large arable field that is the main part of the survey site had recently been harvested (in 2023). This activity may have obscured evidence of use by protected/ notable species and the presence of some plants.
- Tree foliage obscured parts of the trunk and upper branches (in 2023).
- It was difficult to establish the exact survey site boundary in some small parts of the site.
- Identification of some plants, particularly species of Cotoneaster, is easier if the specimen is viewed at different times of the year. Cotoneaster has been identified to species level where possible.
- There are a number of practical difficulties in the application and interpretation of data collected for a *Hedgerow Regulations* survey as outlined above. The eastern limit of the hedgerow at *Target Note 9* is not clearly defined.
- It was not possible to access the grounds of Hafod House Residential Home to confirm whether or not a waterbody is present. The edge of this feature was viewed from the survey site boundary and while there appears to be a damp depression, no water was visible at the time of the surveys.

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

2.6 Evaluation

2.6.1 The ecological importance (value) of habitats and/or species is often assessed according to a number of widely used criteria of which perhaps the most frequently used are naturalness, extent, rarity, and diversity. For the purpose of this report the ecological importance of the habitat and species present on the site has been determined using the approach detailed in CIEEM (2018). Geographical context is used as a frame of reference for identifying the importance of ecological features. The frame of reference has the following categories: International/ European - National - Regional - Metropolitan/County/Vice-county/ other local-authority wide area - Local. Within this report Local is defined as relating to district or parish; less than local refers to features of value at a Site level.

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

3 BASELINE ECOLOGICAL CONDITIONS

3.1 Protected Sites

Statutory

3.1.1 There are two statutory designated sites within 1 km of the survey site: Johnstown Newt Sites Special Area of Conservation (SAC)/ Stryt Las a'r Hafod Site of Special Scientific Interest (SSSI). These protected sites include several separate land parcels around Johnstown and Ruabon. The closest parts of this protected site are at Bonc Yr Hafod Country Park which is located approximately 348 m to the northwest of the survey site at its closest point and at Aberderfyn which is located approximately 340 m to the west of the survey site at its closest point.

3.1.2 Johnstown Newt Sites SAC extends to 69.29 hectares. No *Annex I* habitats are given as a primary reason for selection of the site as an SAC or as a qualifying feature. Great Crested Newt is the *Annex II* species that is the primary reason for selection of the site as an SAC. No *Annex II* species are given as a qualifying feature. The following description is reproduced from the SAC citation:

'This site lies near to Wrexham in north-east Wales and is composed of two post-industrial sites where coal and clay have been extracted. The population of Great Crested Newts Triturus cristatus is one of the largest known in Great Britain and has been the focus of much conservation management over the last few years. Breeding sites are provided in part by a mining subsidence pool, and natural water-filled hollows on clay, whilst other ponds have been created as part of nature conservation management. Terrestrial habitat varies from marshy grassland, grazed farmland and swamp through to scrub and broad-leaved woodland. Good populations of the widespread amphibian species are also present'.

3.1.3 Stryt Las a'r Hafod SSSI extends to 69.4 hectares and the boundary largely corresponds with the SAC. The citation states that '*the water bodies at Stryt Las and Hafod support one of the largest known breeding populations of the Great Crested Newt in Great Britain'.* It also notes the presence of *'significant populations*' of the four common amphibian species.

Non-statutory

3.1.4 There are no non-statutory designated sites within 1 km of the survey site.

3.1.5 There is one Restored Ancient Woodland Site (RAWS) within 1 km of the survey site. It is just to the south of New Hall Independent Hospital and is approximately 797 m to the south-southwest of the survey site at its closest point.

3.1.6 Bonc Yr Hafod Country Park has been included in the North East Wales Important Invertebrate Area (IIA). IIAs are not formally designated but are essentially a planning tool used by the charity Buglife.

3.2 Habitats and Flora

Introduction

3.2.1 The Extended Phase 1 Habitat map is provided as *Figure 1*. The Target Notes (numbered 1 to 20) are provided in *Section 5* and shown on *Figure 1*.

Arable

3.2.2 The survey site is characterised by a large arable field that had recently been harvested at the time of the survey in 2023. Low-growing ruderal plants were scattered throughout with *Symphytum* sp. (Comfrey) locally frequent around the edges. A number of plants of *Bromus racemosus/ commutatus* (Smooth Brome) were noted along the edge of the field by *Target Note 1*.

3.2.3 Towards the northeast corner of the arable field there is a small area that, while it had been cut in 2023 and ploughed in the past, may not have been cultivated/ cropped for a while as it is characterised by a varied grass-dominated sward with a range of both grassland and arable forbs (*Target Note 18*).



Area at *Target Note 18* in May 2025.

3.2.4 It is largely dominated by *Holcus lanatus* (Yorkshire-fog) with locally frequent *Festuca rubra* (Red Fescue). Plants present include *Ervum tetraspermum* (Smooth Tare), *Centaurea nigra* (Common Knapweed), *Anagallis arvensis* (Scarlet Pimpernel), *Trifolium repens* (White Clover), *Tripleurospermum inodorum* (Scentless Mayweed), *Medicago lupulina* (Black Medick), *Ranunculus acris* (Meadow Buttercup), *Achillea millefolium* (Yarrow) and *Geranium dissectum* (Cut-leaved Crane's-bill). Common Knapweed was also found to be occasional along the arable field margin adjacent to the hedge at *Target Note 13*.



The northern part of the arable field in August 2023 above and April 2025 below.





The southern part of the arable field in August 2023 above and April 2025 below.



Trees/ Scrub

3.2.5 Towards the northwest corner of the survey site there is a patch of scrub and tall ruderals which is located partly in the survey site but mostly immediately outside it (*Target Note 1*). It is largely a patch of dense *Rubus fruticosus* agg. (Bramble) and tall ruderals including abundant *Urtica dioica* (Common Nettle), locally abundant *Calystegia sepium* (Hedge Bindweed), Comfrey, locally frequent *Cirsium arvense* (Creeping Thistle), *Epilobium hirsutum* (Great Willowherb) and occasional *Heracleum sphondylium* (Hogweed). This vegetation extends further west as well as to the south of this, outside the survey site.



The scrub/ tall ruderals at *Target Note 1* in August 2023.

3.2.6 Along the western boundary of the arable field the tall ruderals at this location appear to be growing on a low earth bank immediately outside the survey site (*Target Note 1a*). The bank is up to approximately 1.6 m high.

3.2.7 There is a small patch of scrub located around a short stretch of open ditch in the northeast corner of the survey site (*Target Note 15*). It includes *Crataegus monogyna* (Hawthorn), *Prunus spinosa* (Blackthorn), *Viburnum opulus* (Guelder-rose), *Corylus avellana* (Hazel) and *Rosa canina* agg. (Dog-rose), and young saplings of *Prunus avium* (Wild Cherry) and *Acer pseudoplatanus* (Sycamore). The ground is largely dominated by *Hedera helix* agg. (Ivy) with occasional *Mercurialis perennis* (Dog's Mercury).

3.2.8 Three large trees are located in the survey site as follows:

- A very large/ veteran *Fraxinus excelsior* (Ash) tree with an approximate diameter at breast height (dbh) of 1.3 m (*Target Note 6a*).
- A mature Sycamore with an approximate dbh of 0.7 m (*Target Note 6b*).
- A large, mature *Quercus robur* (Pedunculate Oak) with an approximate dbh of 0.8 m (*Target Note 14*).

Further large trees are located close to, but outside, the survey site (*e.g., Target Notes 2, 12*, *12a* and *19*).



The large Ash tree at *Target Note 6a* in April 2025.



The Oak at *Target Note 14* in April 2025.

3.2.9 Part of the northwest boundary of the survey site consists of a line of trees/ shrubs with a stone retaining wall (to approximately 1 m high) and sections of dilapidated fence (*Target Note 2*). For the most part these trees/ shrubs are located outside the survey site but overhang the boundary. The trees/ shrubs include frequent Ash, Sycamore, Hawthorn, occasional *Ulmus glabra* (Wych Elm), *Fagus sylvatica* (Beech), and lesser amounts of *Ilex aquifolium* (Holly) and *Prunus laurocerasus* (Cherry-laurel). The largest trees are semi-mature/ mature Ash with an approximate dbh of 0.6 m and Sycamore with an approximate dbh of up to 1 m.

3.2.10 There is a band of tall ruderals with a few shrubs along the field edge at *Target Note 2*. The tall ruderals include abundant Common Nettle and locally frequent *Pentaglottis sempervirens* (Green Alkanet). It is approximately 3-5 m wide and contains quite a lot of rubbish/ tipped materials including piles of bricks/ rubble and tyres. The soil/ rubble has been pushed into a slope on the field edge in front of the retaining wall. The slope is up to approximately 1.5 m high.



Part of the line of trees/ shrubs at *Target Note 2* in April 2025.

Hedgerows

3.2.11 Two hedgerows (*Target Notes 6* and *9*) were assessed using the *Hedgerow Regulations 1997*. The Hedgerow Survey Sheets are provided as *Tables 3* and *4* in *Section 7*.

3.2.12 One of the assessed hedgerows (*Target Note 6*) is considered to be borderline 'important' while one (*Target Note 9*) is 'not important'. Borderline 'important' hedges are identified where based on the score achieved, they are close to being categorised as 'important'. As explained in *Section 2* interpretation of some data is difficult and can affect the score achieved.

3.2.13 The hedge adjacent to Hafod Road is managed to approximately 2.2 m high (1.6 m towards southern end) and 2.2 m wide (*Target Note 6*). It contains locally abundant Holly, frequent to abundant Hawthorn, Dog-rose, locally frequent Ash and Blackthorn, occasional *Sambucus nigra* (Elder) and small amounts of Hazel, *Rosa arvensis* (Field-rose) and Sycamore. The base is often bare or is dominated by Ivy with frequent *Galium aparine* (Cleavers), locally frequent Common Nettle and *Alliaria petiolata* (Garlic Mustard). Dog's Mercury and *Arum maculatum* (Lords-and-ladies) and three small patches of *Hyacinthoides non-scripta* (Bluebell) were also noted.



Part of the hedge at *Target Note 6* in April 2025.

3.2.14 The hedge along the southern boundary of the survey site is managed to approximately 1.7-2.5 m high by 1.7 m wide (*Target Note 9*). It is located on the outside of the boundary fence. Further towards the plantation woodland (*Target Notes 11/ 12*) at the eastern end it is nearly 3 m high and the outside face is not managed. It is dominated by Hawthorn with occasional Dog-rose, and lesser amounts of Elder, *Prunus domestica* (Wild Plum) and Wild Cherry. The base is dominated by Ivy with frequent Cleavers, Common Nettle, locally frequent Dog's Mercury and occasional Garlic Mustard. A small amount of *Dryopteris filix-mas* (Male-fern) was also noted. There is a dry ditch on the southern side of this hedge within the woodland at *Target Note 11*.



The hedge at *Target Note 9* in August 2023.

3.2.15 The hedge along the northeast side of the survey site is located immediately outside the boundary fence (*Target Note 13*). Only the face in the field is managed so it is more a line of shrubs to approximately 6 m high and 2-3 m wide. It is dominated by Hawthorn with lesser amounts of Ash and Dog-rose. The base is dominated by Ivy.

3.2.16 The hedge along the northern boundary of the survey site is managed to approximately 3 m high with the field face also being flailed (*Target Note 17*). It is dominated by Hawthorn with small amounts of Wild Cherry, Ash, Sycamore and Elder. The base is dominated by Ivy. Lords-and-ladies was also noted.

Watercourse

3.2.17 There is a short stretch of open ditch that enters a pipe with an approximate diameter of 0.6 m beneath the A483 road (*Target Note 16*). In the more open stretch the ditch is completely overgrown with Common Nettle, Comfrey, *Equisetum palustre* (Marsh Horsetail), Great Willowherb, Cleavers and Bramble. Beneath the scrub the ditch is largely bare. The channel is up to 2.5 m wide and 1.5 m deep with earth banks of 40-60°. At the time of the survey in 2023, it held water to a width of 0.5 m and a depth of 0.01 m. It has a slow flow over silt/ earth. At the upstream end it flows out of a pipe with an approximate diameter of 0.2 m. The water has a distinct odour. In 2025 the channel was almost dry and was fairly open.

Other Habitat

3.2.18 There is a broad-leaved woodland plantation/ scrub on the road embankment outside the survey site at *Target Note 11*. It is contiguous with that at *Target Note 12*.

3.2.19 The broad-leaved woodland plantation at *Target Note 12* is located outside the survey site partly on the A483 road embankment. The face is flailed along the field edge but is not maintained as a hedge although it is dominated by Hawthorn. The most abundant tree is Ash; Pedunculate Oak, Wild Cherry, Beech, *Acer platanoides* (Norway Maple), Hazel, Elder, Hawthorn and Guelder-rose are also present. The ground appears to often be dominated by

Ivy, or is bare, with locally frequent Bramble, *Ficaria verna* (Lesser Celandine), Cleavers, Common Nettle and occasional to locally frequent *Geum urbanum* (Wood Avens). While most of the trees are of planted origin there are some very large trees particularly on the boundary.

3.2.20 There is a very large mature *Quercus* sp. (Oak) with an approximate dbh of 0.8 m at *Target Note 12a*. It is located outside the survey site in the woodland at *Target Note 12*. The trunk is obscured by Ivy.

Flora

Notable Plants

3.2.21 Two notable plants were recorded from the survey site: Smooth Brome and *Alopecurus myosuroides* (Black-grass). Williams (2021) lists Smooth Brome and Black-grass as Locally Scarce[7]. Smooth Brome was recorded from the field edge by *Target Note 1* in August 2023. Black-grass was recorded in small amounts from the northern uncultivated part of the arable field in May 2025.

3.2.22 None of the plant records provided by Cofnod are from within the survey site and there are no particularly notable records of relevance from the 1 km search area.

Schedule 9 Plants

3.2.23 The locations of all *Schedule 9* plants recorded are presented on *Figure 2*. Three species of plant listed in *Schedule 9* of the *Wildlife and Countryside Act 1981* were recorded during the surveys. Further details are provided in *Table 1* below.

Table 1 – Locations of Schedule 9 Plant Species

Species	Location on *Figure 2*	Target Note no.	Grid Ref.	Notes
Lamiastrum galeobdolon subsp. *argentatum* (Variegated Yellow Archangel)	1	1	SJ31314 45996 +/- 3 m	Patch on boundary wall extends further into adjacent site. None currently seen in survey site but could be obscured by dense vegetation.
Lamiastrum galeobdolon subsp. *argentatum* (Variegated Yellow Archangel)	2	None.	SJ31303 45987 +/- 3 m	From adjacent site extending to top of boundary wall. None seen in survey site but it is growing out from wall. Extensive patches in adjacent site.
Lamiastrum galeobdolon subsp. *argentatum* (Variegated Yellow Archangel)	3	4	SJ31254 45940 +/- 3 m	Beneath Bramble on cultivated field edge. Several square metres in survey site. Extends into survey

[7] Found in 4-10 1km square sites in Denbighshire.

Species	Location on *Figure 2*	Target Note no.	Grid Ref.	Notes
				site from adjacent site where it is extensive.
Heracleum mantegazzianum (Giant Hogweed)	4	8	SJ31214 45830 +/- 3 m	Single plant on verge of Hafod Road & outside survey site.
Cotoneaster cf. *bullatus* (Hollyberry Cotoneaster)	5	19a	SJ31353 46098 +/- 3 m	Single young shrub in small stand of woodland. Approximately 5 m from access track. Could be more in this area as much is dense scrub.

3.2.24 Several species of plant listed in *Schedule 9* of the *Wildlife and Countryside Act 1981* have been recorded from the 1 km search area. Cofnod provided records of eight *Schedule 9* species: *Lagarosiphon major* (Curly Waterweed), Giant Hogweed, *Impatiens glandulifera* (Himalayan Balsam), *Fallopia japonica* (Japanese Knotweed), *Crocosmia ×crocosmiiflora* (Montbretia), *Crassula helmsii* (New Zealand Pigmyweed), Variegated Yellow Archangel and *Cotoneaster horizontalis* (Wall Cotoneaster). None of these records is from within the survey site.

3.3 Species/ Species Groups

Badgers

3.3.1 No setts were recorded within the survey site.

3.3.2 In 2025 a well used path was recorded leading from the breach at *Target Note 10* to an active Badger sett with a single entrance hole (Approximate OS Grid Ref. SJ31305 45754 +/- 3 m). The entrance is located outside the survey site but the underground structure could extend beneath the survey site. It is located in the northern bank of the dry ditch within the woodland at *Target Note 11*. It has a small spoil pile. Several Maize cobs were noted in the entrance. A second partially dug entrance was also noted though this excavation is incomplete.

3.3.3 Opportunities for sett excavation within the survey site are limited to the various hedge bases, patches of scrub, woodland edges and banks/ slopes at *Target Notes 1a, 2* and *15*. The road embankment in the plantations at *Target Notes 11* and *12*, outside the survey site, provides good potential habitat and further setts could be present.

3.3.4 Evidence of Badger activity/ probable Badger activity was recorded from many parts of the survey site as follows:

- *Target Note 3.* A Wasp nest that was probably excavated by a Badger (recorded in 2023).
- *Target Note 5.* A probable Badger breach/ path though no actual evidence was recorded in 2023. A large tree branch had fallen across it in 2025. Some Maize stalks had been dragged along the path suggesting that it is used by Badger.

- *Target Note 6c*. A probable Badger breach/ path though no actual evidence was recorded.
- *Target Note 7.* A second Wasp nest that was probably excavated by a Badger (recorded in 2023).
- *Target Note 10.* A Badger breach, path and sett.
- *Target Note 10a*. A Badger breach and path into the woodland. The well used path traverses the road embankment and crosses the B5426 to the south. A well used dung-pit was recorded by this path just inside the wood (outside the survey site). A Maize cob was also noted at the breach and other evidence of foraging activity in the wood at *Target Note 11*.
- *Target Note 10b.* A Badger breach and path into the woodland. Several recent footprints were recorded in soft mud in the woodland just outside the survey site in 2025.
- *Target Note 10c.* A probable Badger breach though no actual evidence was recorded.
- *Target Note 10d.* An animal breach beneath the fence by the tree at *Target Note 12a*. No actual evidence was recorded but the presence of Maize cobs in the woodland suggest that it is used by Badger.
- *Target Note 10e.* Evidence of Badger foraging along the edge of the arable field.
- *Target Note 10f.* A partially excavated hole located just outside the survey site. It is probably only 1 m deep and does not appear to be in current use. No evidence was recorded to confirm which species excavated it.
- *Target Note 20*. A well used Badger path with numerous footprints noted along it.
- A well used Badger path crossing the northwest site boundary and a dung-pit just inside the survey site was recorded during the *Schedule 9* plant survey (no Target Note).

3.3.5 The survey site is largely characterised by an arable field. This habitat is of low to moderate potential value for foraging.

3.3.6 Cofnod provided five records of Badger from the 1 km search area, three of which refer to setts. One of these setts appears to be located within Bonc Yr Hafod Country Park approximately 686 m away from the survey site at its closest point. This record is dated 2001. The other sett records are from further away and on the opposite side of the A483 road.

Bats

Trees within the Survey Site

3.3.7 The individual trees within the survey site were not subject to a detailed assessment for their potential value to roosting bats. The trees within the survey site are briefly described above.

3.3.8 A small number of the trees within the survey site contain some features of potential value for roosting bats. Examples are as follows:

- *Target Note 6a*. A very large/ veteran Ash. It includes a large hollow branch end on one of the main branches. This was being used by nesting Crows (*Corvus corone*) in May 2025. There may be a rot cavity in the main trunk: a possible small opening was visible. A second large rot cavity was noted towards the top of the main trunk on the road side. There are several other holes at pruning wounds and a Woodpecker hole in a canopy branch.
- *Target Note 6b*. The Sycamore at this location includes a small number of features of potential value for roosting bats.

- *Target Note 14*. The large Pedunculate Oak. It was difficult to view in detail as it is surrounded by scrub.



The hollow-ended branch in the Ash at *Target Note 6a*.

3.3.9 Further large trees are located close to, but outside, the survey site (*e.g., Target Notes 2, 11/ 12*, *12a* and *19*). Some of these trees may contain features of potential value for roosting bats.

Foraging/ Commuting Habitat.

3.3.10 The survey site largely consists of a single arable field. This field is likely to provide habitat of low potential value for foraging/ commuting bats. Linear features such as the various hedges/ lines of shrubs, woodland edges and the tree/ shrub-lined track along the northern boundary provide habitat of moderate value for foraging/ commuting bats. Some of these features are linked with a wider hedgerow network beyond the survey site as well as some blocks of woodland. The A483 road may limit connectivity to the east.

3.3.11 There is a complex and intimate mosaic of vegetation including scrub, unmanaged grassland and trees, around a cluster of buildings, both used and disused by Hafod House, just to the northwest of the survey site. This area as a whole provides habitat of moderate or high potential value for foraging/ commuting bats as well as potential roosting opportunities.

3.3.12 Cofnod provided a small number of records of four species of bat for within the 1 km search area as well as '*Myotis* Bat Species'. The records include Brown Long-eared Bat (*Plecotus auritus*), Common Pipistrelle (*Pipistrellus pipistrellus*), Daubenton's Bat (*Myotis daubentonii*) and Soprano Pipistrelle (*Pipistrellus pygmaeus*). Most of these records are from the Great Crested Newt mitigation area to the west of Dennis of Ruabon and are dated 2008. The records concern small numbers of bats recorded using a hand-held bat detector. None of the records appear to relate to a roost/ possible roost.

Great Crested Newts

3.3.13 There is no aquatic habitat within the survey site of potential value to Great Crested Newts.

3.3.14 An initial review of the OS map 1:25, 000 scale and relevant internet-based mapping including aerial photography[8] indicates that there are a large number of waterbodies within approximately 500 m of the survey site (excluding ditches). Most of these waterbodies are within the SSSI/ SAC and have been created for the benefit of Great Crested Newts. There may be a waterbody in the grounds of Hafod House Residential Home just to the north/ west of the survey site. Whilst a waterbody is shown at this location on some mapping it is not known whether this feature still exists. Cofnod did not provide any records for amphibians from this location.

3.3.15 There is a large, shallow waterbody in Hafod y Bwch Commemorative Woodland to the north of the survey site, approximately 8.5 m from the boundary at its closest point. A presence/ absence (eDNA) survey of this waterbody was completed in April 2023 for an unrelated National Trust project. The eDNA survey confirmed the likely absence of Great Crested Newts from this waterbody at that time.

3.3.16 Three new waterbodies were created towards the northern end of the Commemorative Woodland in 2024. In April 2025 two of these waterbodies were full of water; the third was partially filled. At this time no aquatic or marginal vegetation was visible: the bed of the waterbodies comprised bare substrate. While individual Great Crested Newts could access these waterbodies, they are unlikely to be used for breeding at present. The closest of these is approximately 291 m from the survey site.

3.3.17 The arable field within the survey site provides terrestrial habitat of negligible/ low potential value for Great Crested Newts. Habitat of potential value for this species within the survey site is limited to the margins/ boundaries and includes various hedges, woodland edges, scrub, and the slope at *Target Note 2*. The various piles of rubble/ other materials at *Target Note 2* provide potential refugia/ hibernacula.

3.3.18 The habitat complex around Hafod House, to the northwest of the survey site, provides terrestrial habitat of high potential value throughout. It includes a number of features that provide potential refugia/ hibernacula such as the building foundations and various piles of materials. This habitat is linked with similar high potential value habitat to the west of Hafod Road.

3.3.19 Cofnod provided a very large number of records for Great Crested Newt mostly from the SSSI/ SAC including the Country Park, as well as from Hafod Quarry. The SSSI/ SAC is known to support a large/ exceptional population.

3.3.20 Cofnod provided a very large number of records for Palmate Newt (*Lissotriton helveticus*), Smooth Newt (*Lissotriton vulgaris*), *Lissotriton* sp., Common Frog (*Rana temporaria*) and Common Toad (*Bufo bufo*) mostly from the SSSI/ SAC including the Country Park, as well as from Hafod Quarry.

[8] https://www.google.co.uk/maps/place/Johnstown,+Wrexham/@53.0101386,-3.0265534,2753m/data=!3m1!1e3!4m5!3m4!1s0x487ac7f616f04713:0xb56ea3741ff724e4!8m2!3d53.010368!4d-3.044433

Reptiles

3.3.21 The arable field within the survey site provides potential terrestrial habitat of negligible/ low value for reptiles. The bases of hedgerows/ other boundary features may provide small fragments of greater potential value.

3.3.22 The vegetation mosaic including unmanaged grassland in the habitat complex to the northwest of the survey site provides terrestrial habitat of moderate/ high potential value. This habitat appears to be linked with further areas of unmanaged/ infrequently managed grassland around Hafod House Residential Home.

3.3.23 Cofnod provided a number of records of Grass Snake (*Natrix helvetica*) from the Great Crested Newt mitigation area to the west of Dennis of Ruabon, as well as from the eastern edge of Johnstown. These records are dated between 1997 and 2012. No other reptile records were provided.

Birds

3.3.24 Seventeen species of bird were recorded during the Extended Phase 1 Habitat Survey/ Walkover Survey either within the survey site or flying over it. The Herring Gull (*Larus argentatus*), Magpie (*Pica pica*), Rook (*Corvus frugilegus*) and Dunnock (*Prunella modularis*) are priority species[9]. There are no features/ habitat that could be used by the Herring Gull for nesting within the survey site. Magpie could nest in the hedges/ shrubs/ trees and Dunnock could nest in the hedges/ shrubs. It is unlikely that Rook might nest within the survey site.

3.3.25 Other priority species recorded during other surveys include Kestrel (*Falco tinnunculus*) and Garden Warbler (*Sylvia communis*). Neither is likely to nest within the centre of the survey site though they may find opportunities around the boundaries.

3.3.26 The survey site provides nesting opportunities for species of bird associated with trees, scrub/ shrubs and hedges. Species associated with arable crops could perhaps utilise the field though no crops were present during any of the survey visits.

3.3.27 The disused buildings located to the northwest (and outside) of the survey site could be used by Barn Owls (*Tyto alba*). The survey site, in its present state, is unlikely to be of particular value for this species (*e.g*. for hunting).

3.3.28 The arable field could potentially be used for feeding/ loafing, *etc*, by a range of birds outside the nesting period.

3.3.29 Cofnod provided a large number of bird records from within 1 km of the survey site (though none from within it) largely with four-figure grid references. Records of possible relevance to the survey site include Black-headed Gull (*Chroicocephalus ridibundus*), Blackcap (*Sylvia atricapilla*), Blue Tit (*Cyanistes caeruleus*), Bullfinch (*Pyrrhula pyrrhula*), Buzzard (*Buteo buteo*), Chiffchaff (*Phylloscopus collybita*), Coal Tit (*Periparus ater*), Dunnock, Fieldfare (*Turdus pilaris*), Goldcrest (*Regulus regulus*), Goldfinch (*Carduelis carduelis*), Great Spotted Woodpecker (*Dendrocopos major*), Great Tit (*Parus major*), Green Woodpecker (*Picus viridis*), Greenfinch (*Chloris chloris*), Herring Gull, House Sparrow (*Passer domesticus*), Lapwing (*Vanellus vanellus*), Lesser Black-backed Gull (*Larus fuscus*), Lesser Redpoll (*Acanthis cabaret*), Linnet (*Linaria cannabina*), Long-tailed Tit (*Aegithalos caudatus*), Mallard (*Anas platyrhynchos*), Mistle Thrush (*Turdus viscivorus*), Pied Wagtail (*Motacilla alba*

[9] As defined in CIEEM (2017a).

yarrellii), Raven (*Corvus corax*), Red Kite (*Milvus milvus*), Redwing (*Turdus iliacus*), Skylark (*Alauda arvensis*), Song Thrush (*Turdus philomelos*), Sparrowhawk (*Accipiter nisus*), Starling (*Sturnus vulgaris*), Stock Dove (*Columba oenas*), Swallow (*Hirundo rustica*), Swift (*Apus apus*), Treecreeper (*Certhia familiaris*), Whitethroat (*Curruca communis*), Willow Warbler (*Phylloscopus trochilus*) and Yellowhammer (*Emberiza citrinella*). Some of these species could potentially nest within the survey site.

Other Species

3.3.30 Cofnod provided a small number of records for Hedgehog (*Erinaceous europaeus*) from Johnstown. The habitat within parts of the survey site is suitable for this species. The base of hedges/ areas of scrub, *etc* could be used for hibernation.

3.3.31 Cofnod provided one record for American Mink (*Neovison vison*) and two historic records for Water Vole (*Arvicola amphibius*); none are of particular importance to this assessment.

3.3.32 Cofnod provided a small number of records of bees, butterflies and other invertebrates. Those of some possible relevance to this assessment include Dingy Skipper (*Erynnis tages*), Grayling (*Hipparchia semele*), Purple Hairstreak (*Favonius quercus*), Silver-washed Fritillary (*Argynnis paphia*), Small Heath (*Coenonympha pamphilus*), Wall (*Lasiommata megera*), Alder Leaf Beetle (*Agelastica alni*) and Scarce Blue-tailed Damselfly (*Ischnura pumilio*). Most of these butterflies, moth, beetle and damselfly have been recorded from the Country Park and or Aberderfyn.

3.3.33 Two Dingy Skippers were recorded nectaring on Comfrey in the field margin adjacent to the hedge at *Target Note 6* during the hedgerow survey. It is assumed these individuals may have originated from the population/s within the Hafod Quarry/ Aberderfyn/ Bonc yr Hafod Country Park complex.



One of the Dingy Skippers recorded on 13/05/25.

3.3.34 Cofnod provided one record of Eel (*Anguilla anguilla*) from the Country Park dated 2016.

4 EVALUATION, ASSESSMENT AND RECOMMENDATIONS

4.1 Introduction

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

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

These are dealt with in turn for habitats and flora, and specific species groups in the section below. Potential impacts have been considered with reference to the information provided only. This assessment considers the proposed development site and immediately surrounding area. The survey site defined for the purpose of this Ecological Appraisal includes a larger area than is likely to be directly impacted by this proposal. This survey site is only considered where relevant due to potential indirect impacts and or for mitigation/ enhancement.

4.1.2 Welsh Assembly Government (2011) identifies the following potential impacts on ecological resources due to the installation of a 'Solar PV array':

Construction

- Site clearance including construction of foundations, cabling, trenches, access tracks and ancillary infrastructure which may result in direct habitat or species loss, or damage or fragmentation of habitat.
- Additional vehicle movements.
- Temporary disturbance of local species.
- Changes to site hydrology.
- Pollution.

Operation

- Possible glint/ glare - unconfirmed.
- Potential impacts on ecological receptors such as birds and invertebrates (*e.g.*, confusion for water surface) is unknown.
- Shading of ground flora.
- Security fencing creates a barrier to movement of some larger species.
- Security lighting may impact ecological resources including bats and invertebrates.

Most of the above listed potential impacts will be applicable in this case and are considered below where possible.

It should be noted that a separate *Glint and Glare Assessment* has been undertaken to consider potential impacts of this proposed development. However, this Assessment does not consider ecological receptors. While it is acknowledged that the glint/ glare from the proposed solar array may result in some local impacts, there are no important/ sensitive ecological sites close to the proposed development site (that might be affected by this issue), and as such this issue will not be considered further in this report.

4.1.3 *Section 4* of this report identifies existing (valued) ecological resources/ biodiversity and explains how these features will be maintained/ protected wherever possible. Full details of proposed ecological mitigation and enhancement measures are provided in the Ecological

Mitigation and Enhancement Statement – EMES (Marches Ecology 2025). This document should be consulted in conjunction with *Section 4* of this PEA. It includes proposed measures to achieve net benefit for biodiversity and confirms how these measures might be secured.

4.1.4 A separate Landscape Maintenance and Management Plan (Viento Environmental Ltd 2025) has also been produced. The Landscape Maintenance and Management Plan is to be used in conjunction with the EMES. This document details landscape maintenance operations during the establishment period (Years 1-5) and subsequent aftercare period (Years 6-20). The Landscape Maintenance and Management Plan includes a plan: *Figure LS01 Landscaping Scheme,* dated 17/08/25. *Figure LS01* presents all of the existing vegetation to be retained, proposed habitats to be created, as well as other ecological enhancements including the proposed bird-boxes and amphibian hibernacula.

4.1.5 The Construction Environmental Management Plan - CEMP (Dulas 2025a) outlines how (negative) impacts on the environment due to the proposed development will be minimised during the construction phase. It details specific measures and procedures to avoid, minimise, or mitigate negative environmental effects during all phases of construction. The CEMP is also to be used in conjunction with the EMES and will be followed throughout the construction phase.

4.1.6 It should be noted that the connection between the DNO substation and the grid is not part of this planning application and as such has not been considered in this report. It is anticipated that this will require under-ground cabling.

4.2 Evaluation, Assessment and Recommendations

Designated Sites

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

4.2.2 The closest part of Johnstown Newt Sites SAC/ Stryt Las a'r Hafod SSSI (Bonc Yr Hafod Country Park) is located approximately 340 m to the west of the proposed development site. Due to the nature of the proposal, the habitat within the survey site, and the reasons for designation of this protected site, no significant indirect (adverse) impacts are anticipated. However, as a precautionary approach is being adopted, the following potential indirect impacts are considered:

- The potential for killing/ injuring/ disturbing individual Great Crested Newts.
- The potential for damaging small areas of terrestrial habitat (outside the SAC/ SSSI) that might be used by Great Crested Newts.

4.2.3 As stated in Bernhard *et al*. (2022) '*The majority of adult newts remain within about 250 m of their natal pond for most of their lifecycle if habitat conditions are suitable, with longer range dispersal undertaken less frequently*'. Given that the SSSI/ SAC provides high quality terrestrial habitat around the waterbodies provided for Great Crested Newts, and the distance between the closest part of the SSSI/ SAC and the proposed development site, it is likely that most of the individual Great Crested Newts supported by the SSSI/ SAC will not access the proposed development site.

4.2.4 With regards Great Crested Newt dispersal distances Bernhard *et al*. (2022) states '*As this species can disperse over 1.6 km between ponds, SSSI boundaries should allow for long distance movements that contribute to maintaining population viability and gene flow*'. Given

this, it is possible that individual Great Crested Newts, may on occasion, disperse through the proposed development site. However, there is no obvious ecological reason why this would amount to anything more than very occasional use by individuals/ small numbers, particularly given that there is no existing waterbody within the proposed development site, and that the A483 to the immediate east, forms a significant barrier to the movement of amphibians.

4.2.5 Given the nature of the proposed development and short duration of the construction phase it is concluded that there is a low risk of potential direct impacts on individual Great Crested Newts. Though given that the proposed development would be confined to the interior of an arable field this is also considered unlikely. Such potential impacts on individuals would not be felt at the population or meta-population level and would not impinge on the capacity of the SSSI/ SAC to continue supporting a large/ exceptional population (or achieving Favourable Conservation Status – FCS). Furthermore, due to the type of proposed development ongoing dispersal of individual Great Crested Newts across this area would not be (negatively) affected, indeed it should be improved.

4.2.6 As the land is owned by the National Trust the habitat to be created, largely to the northeast of the PV panels, would be the subject of ongoing nature conservation management that should benefit Great Crested Newts. Overall, the proposed habitat creation and ongoing management of suitable habitat is likely to have a positive impact in the medium-term.

4.2.7 The survey site and surrounding area (up to the A483 on the eastern extent) is identified in LPG 35 as one of the 'Key Ecological Corridors' connecting the SAC and the wider countryside. It further states that these Corridors '*…are of extremely high importance when considering the long-term viability of the GCN population of the Special Sites*'. The proposal to create new potential high value terrestrial and aquatic habitat within this Corridor could be of particular importance for the population(s) around Aberderfyn/ Bonc Yr Hafod as well as enhancing habitat connectivity for the metapopulation. It will be directly connected to Hafod y Bwch Commemorative Woodland to the north which includes a small number of recently created ponds. The proposed habitat creation also includes for the planting of several stretches of hedgerow which will improve connectivity across and within the site, and thereby improve the functionality of the Key Ecological Corridor. Should any development of the land to the west of Hafod Road proceed in the future then these new and strengthened hedgerows will maintain and enhance any existing connectivity with this area.

4.2.8 Issues relating to Great Crested Newts are considered further below.

4.2.9 No non-statutory designated sites or ancient woodland sites would be indirectly impacted.

Habitat

4.2.10 The survey site includes the following habitat resources:

- Arable;
- Trees/ scrub;
- Hedgerows/ lines of shrubs;
- Tall ruderals; and
- A watercourse.

4.2.11 Due to the size, quality and geographical location of most of the habitat resources listed above they are considered to be of no more than site value[10]. Habitat features of greater value are considered below.

4.2.12 'Arable field margins' is a priority habitat listed on *Section 7* of the *Environment (Wales) Act 2016*. This priority habitat covers arable field margins '*managed specifically to provide benefits for wildlife*' (Biodiversity Reporting & Information Group, 2011). The field in the survey site would not qualify. However, the only criteria listed in WCBC (2015) are for a minimum length of 50 m and that it supports '*uncommon plant species*'. It does not clarify the number of species that should be supported. The field margin towards the northwest corner of the survey site supports the Locally Scarce plant Smooth Brome and Black-grass was recorded in small amounts from the northern uncultivated part of the arable field. It is unlikely that this would be sufficient for this part of the field to qualify as being of county importance alone. However, it is considered to be of at least local value.

4.2.13 The survey site contains a small number of semi-mature/ mature trees. WCBC (2015) does not contain criteria specific to individual trees. However, areas of lowland wood pasture and parkland can be considered for selection based on the presence of '*At least 5 over mature/ veteran trees or individuals that are estimated to be at least 200 years old which exhibit veteran tree characteristics*'. It is considered unlikely that many, if any, of the trees within the site would meet this description although the Ash at *Target Note 6a* might qualify. However, this resource does represent a collection of individuals, some of moderate age, that are perhaps of local value. Trees within the survey site of local value include those at *Target Notes 6a, 6b* and *14*.

4.2.14 'Hedgerows' is a priority habitat listed on *Section 7* of the *Environment (Wales) Act 2016*. This priority habitat covers all hedgerows consisting predominantly (*i.e*., 80% or more cover) of at least one woody UK species (Biodiversity Reporting & Information Group, 2011). The hedgerow at *Target Note 6* is moderately species-rich in terms of the woody component and is borderline 'important' in accordance with the 'ecological criteria' established in the *Hedgerow Regulations 1997*.

4.2.15 With the further exception of the hedgerows at *Target Notes 9* and *17* the *Hedgerow Regulations* are unlikely to be applicable to the remaining largely unmanaged hedgerows/ lines of shrubs across the survey site. The hedgerow at *Target Note 9* is 'not important' in accordance with the 'ecological criteria' established in the *Hedgerow Regulations 1997*. The hedgerow at *Target Note 17* has not been assessed but it is considered unlikely that it would be determined as 'important'.

4.2.16 The draft Wrexham Wildlife Sites selection criteria (WCBC 2015) indicates a minimum length of 50 m for 'Ancient and/ or species-rich hedgerows' to be considered. Qualification for this definition is based on the species richness of the woody component and the presence of 'ancient woodland indicator' species. The hedgerow at *Target Note 6* may qualify though the criteria differ from those used in the *Hedgerow Regulations 1997*. None of the other hedgerows within the site are likely to qualify. However, these features could qualify based on the species they support but further survey would be required to confirm this. In the absence of such survey data, it is considered that the hedges/ unmanaged hedges across the survey site are of local value (in terms of the habitat). They may be of greater value as habitat corridors for some species.

[10] In accordance with CIEEM (2018).

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

- The arable field.

4.2.18 No trees within the survey site would be felled/ pruned and no hedgerow breaches are required.

4.2.19 The total area of land to be permanently lost extends to 5943.6 m^2. That is the total area covered by 'hard' construction elements. This figure includes 4575.4 m^2 that would be used for the solar array. The proposed vehicle track extends to 1340 m^2. The two proposed sub-stations have footprints of 14.8 m^2 and 13.4 m^2. The total footprint within the proposed security fence (including grassland between the PV panels) is approximately 1.4 hectares. The total area required for the proposed development will be approximately 2.9 hectares, including the areas between the arrays, fencing, substation, access track and temporary construction compound.

4.2.20 The ground beneath the solar panels within the security fence and within the southern part of the arable field (outside the security fence) is to be retained for agricultural use. These areas have been sown with a Rye-grass mix (in 2025) and it is anticipated that they will be the subject of sheep grazing. Some strimming will be required around the PV panels possibly once or twice annually to ensure there is no shading of the panels. These two areas (totalling around 1 hectare) would be modified due to the proposal, as they would no longer be used to grow arable crops (though as a temporary ley technically they would remain arable land). Species-poor sheep-grazed grassland is unlikely to be of great ecological value. It should be noted that the field could revert to arable (crop) use on decommissioning.

4.2.21 The proposed temporary construction compound would be located at the northern end of the arable field. The footprint would extend to approximately 600 m^2. On completion of the construction phase this area would be reinstated as 'arable field margin' in accordance with the proposed habitat creation (see Marches Ecology 2025). As such this figure is not included in the 5943.6 m^2 given above for permanent loss.

4.2.22 The loss/ modification of the habitat in the survey site would not result in any significant impacts.

4.2.23 The following mitigation/ avoidance measures (with regards habitats) will be implemented:

- The following features should be retained and protected if necessary: all hedgerows and semi-mature/ mature trees, and the small area of 'grassland' at *Target Note 18*.
- Temporary protective fencing will be installed prior to commencing the construction phase, adjacent to the feature at *Target Note 2*, along the edge of the grassland to be retained at *Target Note 18* and along the hedge at *Target Note 6*/ trees at *Target Notes 6a* and *6b*.
- Biosecurity measures will be implemented in accordance with a Biosecurity Risk Assessment and Method Statement.
- Vehicle movements to/ from the site will be minimised.
- Construction best practice will be implemented in accordance with the Construction Environmental Management Plan – CEMP (Dulas 2025a) and EMES (Marches Ecology 2025).

Further detail on all mitigation/ avoidance measures is provided in Marches Ecology (2025).

4.2.24 Further detail on all enhancement measures is provided in Marches Ecology (2025). The proposals in Marches Ecology (2025) are designed to offset any loss of habitat (from the proposed development site), achieve net biodiversity gain, and target notable species that have been recorded from the area, as well as priority habitat types, so as to maximise that gain. The Landscape Maintenance and Management Plan (Viento Environmental Ltd 2025) details how created/ retained habitats will be established and maintained. The proposed habitat creation/ retention, as illustrated on *Figure LS01 Landscaping Scheme* (Viento Environmental Ltd 2025), includes the following:

- An area of scrub/ tree planting in the northeast part of the arable field.
- The creation and cultivation of an area of 'arable field margin'.
- The creation of a new hedgerow along the proposed access track and increasing the width/ height of the hedgerow at *Target Note 6*.
- The creation of a new wetland in the northeast part of the arable field.
- The creation of an area of potential nesting habitat for Little Ringed Plover.
- The sowing of *Lotus corniculatus* (Common Bird's-foot-trefoil) for the potential benefit of Dingy Skipper.
- The retention of the 'grassland' at *Target Note 18* and a bare uncultivated strip by the vehicle access track.

4.2.25 These new habitats are likely to be of benefit to a range of wildlife and in the short to medium-term be of much greater value than that offered by the existing agricultural field. Technical Advice Note 5 (Nature Conservation and Planning) (Welsh Assembly Government, 2009) seeks developments to achieve net biodiversity gain. The requirement to secure and maintain net benefit for biodiversity (NBB) (through enhancements) is also set out in the current Planning Policy Wales (PPW) (Welsh Government 2024). The proposal would satisfy this requirement with regards the habitat loss in the proposed development site, and the proposed habitat creation/ retention.

Flora

4.2.26 Two notable plants were recorded from the survey site: Smooth Brome and Black-grass. These plants are listed as Locally Scarce in Williams (2021) but of Least Concern in the most recent Vascular Plant Red Data List for Wales (Dines 2008).

4.2.27 The Smooth Brome was recorded along the northwest field margin. Black-grass was recorded from the northern part of the arable field. It is possible that these plants may be lost from the survey site either due to the proposed vehicle access track and or the cessation of arable cropping/ habitat creation. This may be an adverse impact at a local level.

4.2.28 It is proposed that a bare uncultivated strip be created as part of the proposed habitat creation and it is hoped that this may provide the conditions under which Smooth Brome may persist at the site. Similarly, the habitat creation proposals include a large area of 'arable field margin' that may continue to support Black-grass.

4.2.29 It is illegal to plant or otherwise cause to grow in the wild any plant listed in *Part II* of *Schedule 9* to the *Wildlife and Countryside Act 1981* (as amended). The *Schedule 9* list of animal and plant species has been amended by the *Wildlife and Countryside Act 1981 (Variation of Schedule 9)(England and Wales) Order 2010*'[11]. *Section 14 (1)* covers spreading the species or transferring polluted ground material from one area to another.

[11] http://www.nonnativespecies.org/index.cfm?pageid=67

4.2.30 Two species of plant listed on *Schedule 9* were recorded from the survey site: Variegated Yellow Archangel (Locations 1-3 on *Figure 2*) and Giant Hogweed (Location 4 on *Figure 2*). Some of the Variegated Yellow Archangel is close to the proposed development footprint, particularly that at Location 3 on *Figure 2*. As detailed above a temporary protective fence is to be installed adjacent to this boundary to prevent inadvertent access to this location.

4.2.31 The Giant Hogweed would not be directly affected as it is outside the hedge at *Target Note 6*/ Location 4 on *Figure 2*.

4.2.32 Hollyberry Cotoneaster (Location 5 on *Figure 2*) was recorded during the *Schedule 9* plant survey. It would not be directly affected as it is approximately 5 m from the site access track.

4.2.33 It is possible that further invasive non-native plants may be present although the risk of potential spread is considered to be low given that the development is located within an arable field. A Biosecurity Risk Assessment and Method Statement will be produced. This document will consider potential risks to the local amphibian population as well as the potential for spread of invasive non-native species and propose measures to minimise any perceived risks. It will be implemented throughout the construction phase.

4.2.34 'Ash dieback' caused by the fungus *Hymenoscyphus fraxineus* is known to be present in the area. Ash trees should not be included in any planting.

Fauna

Badger

4.2.35 No setts were recorded within the survey site. An active sett with a single entrance hole was recorded at *Target Note 10*, immediately adjacent to the southern survey site boundary. Opportunities for sett excavation are largely limited to the boundaries. The wooded embankment at *Target Notes 11* and *12* immediately outside the survey site provides good potential habitat as does the habitat complex to the northwest of the survey site.

4.2.36

pot

No particular significant impacts on Badgers are anticipated due to the proposed development. While a small amount of foraging habitat would be lost the proposed habitat creation would provide further opportunities.

4.2.38 The proposed security fence extends to 472 m (linear) and would be aligned immediately around the PV panels. The proposed security fence specification is illustrated on a Dulas plan: *Figure 8* – Typical Security Fence, Gate and CCTV Cameras, Version 0b, dated 26th February 2025. There is no gap shown beneath the proposed security fence which may prevent Badgers accessing this part of the site.

A Construction Traffic Management Plan (CTMP) (Acstro 2025) has been produced. Based on a construction period of 16 weeks it is anticipated that there would be on average 14 deliveries per week/ three deliveries per day. In practice, during the busiest part of the construction programme, there may be 31 HGV movements per day plus, possibly, 13 vehicles per day for construction personnel. Working hours during the construction phase are nominally anticipated to be 8 am to 6 pm. Depending on what time of year the construction phase extends to these hours have the potential to conflict with times when

It is possible that this would increase the risk of road traffic casualties for the short period within which construction is programmed.

4.2.40 During the operation phase vehicle access movements would be limited to monthly maintenance visits.

4.2.41 all site workers should maintain a watching brief for potential setts. If a large animal hole is found, and workers are unsure whether it is used by Badgers, all work within at least 30 m should immediately cease and a suitably qualified ecologist be contacted for further advice.

4.2.42 site a precautionary approach should be adopted: best practice measures should be implemented during any construction phase including the measures detailed in the CEMP (Dulas 2025a) and EMES (Marches Ecology 2025).

4.2.43 A sett could be excavated subsequent to the Walkover Survey. If the proposed work is not implemented within 12 months of the Walkover Survey the site should be re-surveyed by a suitably qualified ecologist to check for any setts.

Bats

4.2.44 All of the semi-mature/ mature trees within the survey site will be retained. Some of these trees contain features of potential value for roosting bats, in particular the Ash at *Target Note 6a*. There are no works proposed near these trees and a temporary protective fence is to be installed for the duration of the construction phase. No direct or indirect impacts on any roosting bats that may use features within the survey site are anticipated due to the proposed works.

4.2.45 The arable field is of low potential value for foraging/ commuting bats. The various hedges/ shrub lines/ woodland edges are of moderate potential value. All of the existing trees, shrubs and hedges within the survey site would be retained.

4.2.46 As previously noted, the proposal includes for the creation of a range of habitat types. This is likely to increase the potential foraging/ commuting value for bats. The existing linear features are to be retained. No particular significant impacts on bats are anticipated due to the proposed development. No further (activity) survey is proposed.

4.2.47 The CEMP (Dulas 2025a) provides details of temporary lighting that may be utilised during the construction phase if this becomes necessary. These portable lights would be used throughout the site towards the beginning and end of the working days. They should be located away from hedgerows and adjacent trees, and whenever possible should not be used. All luminaires should follow the specifications detailed in BCT & ILP (2023). Given that the lights would be located in an ex-arable field and the short duration of the construction phase, no particular significant impacts on bats that might use the site are anticipated.

4.2.48 No security/ external lighting around the PV panel compound is to be installed for use during the operation phase.

Great Crested Newts

4.2.49 There is no aquatic habitat within the survey site of potential value to Great Crested Newts.

4.2.50 Given that the proposed development site is located approximately 340 m to the east of the Johnstown Newt Sites SAC at its closest point, that this site contains a number of

waterbodies and supports a very large/ exceptional population, Great Crested Newts could potentially be found anywhere within the surrounding area.

4.2.51 As explained in paragraphs 4.2.1 to 4.2.7 inclusive the risk to individual Great Crested Newts due to the proposed development is considered to be low. This is based on the distance of the site from known breeding waterbodies; the distance from the site of other waterbodies that might be used; the absence of waterbodies to the east of the site; the location of the A483 to the immediate east of the site; the negligible/ low potential value of the terrestrial habitat within the site; no features that could be used for dispersal such as hedges/ vegetated field margins will be impacted; no obvious features that could be used as refugia/ hibernacula will be impacted; and the short duration of the construction phase.

4.2.52 LPG 35 (Table 2) in relation to proposals 'Adjacent to, and within key ecological corridors associated with Johnstown SAC' concludes with regards 'minor development', the smaller of the two categories, that Reasonable Avoidance Measures (RAMs) may be required dependent on the suitability of the habitat. Furthermore, it clarifies that the requirement for a 'Test of Likely Significance' is also dependent on the suitability of the habitat. For minor development of 'up to 10 dwellings' it states that mitigation for habitat loss should be on a like-for-like basis and that there will be a need to demonstrate no direct or indirect significant impacts on the features of the SAC.

4.2.53 Regardless of the direct size of the footprint of the proposal and given the limited loss of terrestrial habitat of negligible/ low potential value for Great Crested Newts within the site along with the distance from known breeding ponds, the lesser of the two 'impact categories' in LPG 35 as described briefly above would appear to be most applicable in this instance. Based on this assessment and the relevant planning guidance it is considered appropriate at this site to adopt a purely precautionary non-licensed Reasonable Avoidance Measures (RAMs) approach. Further detail on the proposed RAMs is provided in Marches Ecology (2025) which includes the measures listed in *Appendix 4* of LPG 35. The mitigation would be implemented in accordance with a RAMs Method Statement and would be overseen by a suitably qualified ecologist.

4.2.54 Subject to the implementation of RAMs, no significant adverse impact on the Great Crested Newt population is currently anticipated. The creation of new aquatic and terrestrial habitat is likely to result in a positive impact.

Reptiles

4.2.55 The risk of the proposed development to reptiles is considered to be negligible/ low. Grass Snakes have been recorded from the area and could potentially travel along hedgerows/ field margins. Basic reptile RAMs will be implemented at the same time as those for Great Crested Newts. Contractors should maintain a watching brief throughout the works. Should a reptile be found at any time, all works in this area should immediately cease and the ecologist be contacted for advice. Further details are provided in Marches Ecology (2025).

4.2.56 No particular impacts on (individual) reptiles are currently anticipated.

4.2.57 It is likely that the proposed habitat creation would improve the potential value of the survey site for Grass Snakes in the medium-term, particularly as the wetland/ pond becomes established.

Birds

4.2.58 A small number of birds of some species could potentially nest within the arable field depending on the crop being grown and the cropping regime. It is considered unlikely that the survey site is of particular importance for such species. No other habitat that is likely to be used by nesting birds will be directly impacted. It is considered unlikely that the proposed development would give rise to a significant impact on local bird populations.

4.2.59 The noise assessment (Hayes McKenzie 2025) concludes that '*the levels of road traffic noise in this area are such that the ambient sound levels would not be anticipated to increase noticeably due to the introduction of the proposed development*'. No impacts on birds (or other ecological receptors) due to noise are predicted.

4.2.60 Some indirect disturbance of birds that use the waterbody located within the adjacent Hafod y Bwch Commemorative Woodland may occur periodically throughout the construction phase. As has previously been noted, this would be a short-term impact of short duration.

4.2.61 The proposed habitat creation is likely to be beneficial for a number of birds in the short to medium-term. The conversion of part of an arable field to include new trees, scrub, enhanced hedgerows, a wetland and positively managed arable habitat is likely to result in a positive impact. Along with the scrub and other habitat to be created that is likely to be of benefit for several priority bird species, it is also proposed to create potential nesting habitat for the Little Ringed Plover adjacent to the new wetland.

4.2.62 There are a number of priority bird species that could potentially benefit from the provision of suitable bird-boxes. Marches Ecology (2025) includes proposals for the installation of a small number of nest-boxes suitable for the Starling.

4.2.63 No further survey for birds is deemed necessary (other than a pre-work check should any of the works be undertaken during the nesting season as detailed in Marches Ecology 2025).

Other Species

4.2.64 Hedgehogs have been recorded from the area. There are features within the survey site that might be used for hibernation (*e.g.*, the base of hedges, *etc*).

4.2.65 Any features that are to be removed and could be used by Hedgehogs for hibernation should be carefully cleared under the supervision of a suitably qualified ecologist. The ecologist will undertake hand-searches as necessary. This can be completed at the same time as the Great Crested Newt RAMs. At present it is not anticipated that any such features would be affected.

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

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

5 TARGET NOTES

Target Note 1. A patch of dense *Rubus fruticosus* agg. (Bramble) and tall ruderals including abundant *Urtica dioica* (Common Nettle), locally abundant *Calystegia sepium* (Hedge Bindweed), *Symphytum* sp. (Comfrey), locally frequent *Cirsium arvense* (Creeping Thistle), *Epilobium hirsutum* (Great Willowherb) and occasional *Heracleum sphondylium* (Hogweed). It is located immediately outside the survey site.

Target Note 1a. The tall ruderals at this location appear to be growing on a low earth bank immediately outside the survey site. The bank is up to approximately 1.6 m high.

Target Note 2. This boundary consists of a line of trees/ shrubs with a stone retaining wall (to approximately 1 m high) and sections of dilapidated fence. For the most part these trees/ shrubs are located outside the survey site but overhang the boundary. The trees/ shrubs include frequent *Fraxinus excelsior* (Ash), *Acer pseudoplatanus* (Sycamore), *Crataegus monogyna* (Hawthorn), occasional *Ulmus glabra* (Wych Elm), *Fagus sylvatica* (Beech), and lesser amounts of *Ilex aquifolium* (Holly) and *Prunus laurocerasus* (Cherry-laurel). The largest trees are semi-mature/ mature *Fraxinus excelsior* (Ash) with an approximate diameter at breast height (dbh) of 0.6 m and *Acer pseudoplatanus* (Sycamore) with an approximate dbh of up to 1 m.
There is a band of tall ruderals with a few shrubs along the field edge. The tall ruderals include abundant *Urtica dioica* (Common Nettle) and locally frequent *Pentaglottis sempervirens* (Green Alkanet). It is approximately 3-5 m wide and contains quite a lot of rubbish/ tipped materials including piles of bricks/ rubble and tyres. The soil/ rubble has been pushed into a slope on the field edge in front of the retaining wall. The slope is up to approximately 1.5 m high.

Target Note 2a. A patch of *Lamiastrum galeobdolon* subsp. *argentatum* (Variegated Yellow Archangel) that appears to be just outside the site though it could extend into the adjacent area.

Target Note 3. A Wasp nest that was probably excavated by a Badger (recorded in 2023).

Target Note 4. A patch of *Lamiastrum galeobdolon* subsp. *argentatum* (Variegated Yellow Archangel) on the field edge.

Target Note 5. A probable Badger breach/ path though no actual evidence was recorded in 2023. A large tree branch had fallen across it in 2025. Some Maize stalks had been dragged along the path suggesting that it is used by Badger.

Target Note 6. A hedge adjacent to Hafod Road that is managed to approximately 2.2 m high (1.6 m towards southern end) and 2.2 m wide. It contains locally abundant *Ilex aquifolium* (Holly), frequent to abundant *Crataegus monogyna* (Hawthorn), frequent *Rosa canina* agg. (Dog-rose), locally frequent *Fraxinus excelsior* (Ash) and *Prunus spinosa* (Blackthorn), occasional *Sambucus nigra* (Elder) and small amounts of *Corylus avellana* (Hazel), *Rosa arvensis* (Field-rose) and *Acer pseudoplatanus* (Sycamore). The base is often bare or is dominated by *Hedera helix* agg. (Ivy) with frequent *Galium aparine* (Cleavers), locally frequent *Urtica dioica* (Common Nettle) and *Alliaria petiolata* (Garlic Mustard). *Mercurialis perennis* (Dog's Mercury) and *Arum maculatum* (Lords-and-ladies) were also noted. Three small patches of *Hyacinthoides non-scripta* (Bluebell) were also noted.

Target Note 6a. A very large/ veteran *Fraxinus excelsior* (Ash) tree with an approximate dbh of 1.3 m. It includes a large hollow branch end on one of the main branches. There may be a rot cavity in the main trunk: a possible small opening was visible. A second large rot cavity was noted towards the top of the main trunk on the road side. There are several other holes at pruning wounds and a Woodpecker hole in a canopy branch.

Target Note 6b. A mature *Acer pseudoplatanus* (Sycamore) with an approximate dbh of 0.7 m. A small number of features of potential value for roosting bats were noted.

Target Note 6c. A probable Badger breach/ path though no actual evidence was recorded.

Target Note 7. A second Wasp nest that was probably excavated by a Badger (recorded in 2023).

Target Note 8. One small plant of *Heracleum mantegazzianum* (Giant Hogweed) on the narrow verge outside the hedge at *Target Note 6*.

Target Note 9. A hedge managed to approximately 1.7-2.5 m high by 1.7 m wide that is located on the outside of the boundary fence. Further towards the woodland at the eastern end it is nearly 3 m high and the outside face is not managed. It is dominated by *Crataegus monogyna* (Hawthorn) with occasional *Rosa canina* agg. (Dog-rose), and lesser amounts of *Sambucus nigra* (Elder), *Prunus domestica* (Wild Plum) and *Prunus avium* (Wild Cherry). The base is dominated by *Hedera helix* agg. (Ivy) with frequent *Galium aparine* (Cleavers), *Urtica dioica* (Common Nettle), locally frequent *Mercurialis perennis* (Dog's Mercury) and occasional *Alliaria petiolata* (Garlic Mustard). A small amount of *Dryopteris filix-mas* (Male-fern) was also noted. There is a dry ditch on the southern side of this hedge within the woodland at *Target Note 11*.

Target Note 10. A Badger breach beneath the boundary fence. One hair was noted beneath it in 2023. In 2025 a well used path was recorded leading from this breach to an active Badger sett with a single entrance hole. The entrance is located outside the survey site but the underground structure could extend beneath the survey site. It is located in the northern bank of the dry ditch within the woodland at *Target Note 11*. It has a small spoil pile. Several Maize cobs were noted in the entrance. A second partially dug entrance was also noted though this excavation is incomplete.

Target Note 10a. A Badger breach and path into the woodland. The well used path traverses the road embankment and crosses the B5426 to the south. A well used dung-pit was recorded by this path just inside the wood (outside the survey site). A Maize cob was also noted at the breach and other evidence of foraging activity in the wood at *Target Note 11*.

Target Note 10b. A Badger breach and path into the woodland. Several recent footprints were recorded in soft mud in the woodland just outside the survey site in 2025.

Target Note 10c. A probable Badger breach though no actual evidence was recorded.

Target Note 10d. An animal breach beneath the fence by the tree at *Target Note 12a*. No actual evidence was recorded but the presence of Maize cobs in the woodland suggest that it is used by Badger.

Target Note 10e. Evidence of Badger foraging along the edge of the arable field.

Target Note 10f. A partially excavated hole located just outside the survey site. It is probably only 1 m deep and does not appear to be in current use. No evidence was recorded to confirm which species excavated it.

Target Note 11. A broad-leaved woodland plantation/ scrub on the road embankment outside the survey site.

Target Note 12. A broad-leaved woodland plantation located outside the survey site on the road embankment. The face is flailed along the field edge but is not maintained as a hedge although it is dominated by *Crataegus monogyna* (Hawthorn). The most abundant tree is *Fraxinus excelsior* (Ash); *Quercus robur* (Pedunculate Oak), *Prunus avium* (Wild Cherry), *Fagus sylvatica* (Beech), *Acer platanoides* (Norway Maple), *Corylus avellana* (Hazel), *Sambucus nigra* (Elder), *Crataegus monogyna* (Hawthorn) and *Viburnum opulus* (Guelder-rose) are also present. The ground appears to often be dominated by *Hedera helix* agg. (Ivy), or is bare, with locally frequent *Rubus fruticosus* agg. (Bramble), *Ficaria verna* (Lesser Celandine), *Galium aparine* (Cleavers), *Urtica dioica* (Common Nettle) and occasional to locally frequent *Geum urbanum* (Wood Avens). While most of the trees are of planted origin there are some very large trees particularly on the boundary.

Target Note 12a. A very large mature *Quercus* sp. (Oak) with an approximate dbh of 0.8 m. It is located outside the survey site in the woodland at *Target Note 12*. The trunk is obscured by *Hedera helix* agg. (Ivy).

Target Note 13. A hedge that is located immediately outside the boundary fence. Only the face in the field is managed so it is more a line of shrubs to approximately 6 m high and 2-3 m wide. It is dominated by *Crataegus monogyna* (Hawthorn) with lesser amounts of *Fraxinus excelsior* (Ash) and *Rosa canina* agg. (Dog-rose). The base is dominated by *Hedera helix* agg. (Ivy).

Target Note 14. A large, mature *Quercus robur* (Pedunculate Oak) with an approximate dbh of 0.8 m. It was difficult to view in detail as it is surrounded by scrub.

Target Note 15. A small patch of scrub with *Crataegus monogyna* (Hawthorn), *Prunus spinosa* (Blackthorn), *Viburnum opulus* (Guelder-rose), *Corylus avellana* (Hazel) and *Rosa canina* agg. (Dog-rose), and young saplings of *Prunus avium* (Wild Cherry) and *Acer pseudoplatanus* (Sycamore). The ground is largely dominated by *Hedera helix* agg. (Ivy) with occasional *Mercurialis perennis* (Dog's Mercury). It is located around a short stretch of open ditch.

Target Note 16. An open ditch that enters a pipe with an approximate diameter of 0.6 m beneath the A483 road. In the more open stretch the ditch is completely overgrown with *Urtica dioica* (Common Nettle), *Symphytum* sp., *Equisetum palustre* (Marsh Horsetail), *Epilobium hirsutum* (Great Willowherb), *Galium aparine* (Cleavers) and *Rubus fruticosus* agg. (Bramble). Beneath the scrub the ditch is largely bare. The channel is up to 2.5 m wide and 1.5 m deep with earth banks of 40-60°. At the time of the survey, it held water to a width of 0.5 m and a depth of 0.01 m. It has a slow flow over silt/ earth. At the upstream end it flows out of a pipe with an approximate diameter of 0.2 m. The water has a distinct odour. In 2025 the channel was almost dry and was fairly open.

Target Note 17. A hedge that is managed to approximately 3 m high with the field face also being flailed. It is dominated by *Crataegus monogyna* (Hawthorn) with small amounts of *Prunus avium* (Wild Cherry), *Fraxinus excelsior* (Ash), *Acer pseudoplatanus* (Sycamore) and *Sambucus nigra* (Elder). The base is dominated by *Hedera helix* agg. (Ivy). *Arum maculatum* (Lords-and-ladies) was also noted.

Target Note 18. This small corner of the arable field, while it has been cut this year and ploughed in the past, may not have been cultivated/ cropped for a while as it is characterised by a varied grass-dominated sward with a range of both grassland and arable forbs. It is largely dominated by *Holcus lanatus* (Yorkshire-fog) with locally frequent *Festuca rubra* (Red Fescue). Plants present include *Ervum tetraspermum* (Smooth Tare), *Centaurea nigra* (Common Knapweed), *Anagallis arvensis* (Scarlet Pimpernel), *Trifolium repens* (White Clover), *Tripleurospermum inodorum* (Scentless Mayweed), *Medicago lupulina* (Black Medick), *Ranunculus acris* (Meadow Buttercup), *Achillea millefolium* (Yarrow) and *Geranium dissectum* (Cut-leaved Crane's-bill). *Centaurea nigra* (Common Knapweed) was found to be occasional along the arable field margin adjacent to the hedge at *Target Note 13*.

Target Note 19. A line of semi-mature trees along the track-side (outside the survey site). They are mostly *Acer pseudoplatanus* (Sycamore) and *Fraxinus excelsior* (Ash) with one *Quercus robur* (Pedunculate Oak) and frequent *Crataegus monogyna* (Hawthorn). Most are multi-stemmed. The largest stems have an approximate dbh of 0.3 m. Between this line of trees and the building to the south there is an area characterised by scrub particularly *Rubus fruticosus* agg. (Bramble), and scattered young saplings of *Acer pseudoplatanus* (Sycamore), *Fraxinus excelsior* (Ash), *Betula pendula* (Silver Birch) and *Salix caprea* (Goat Willow). The ground layer is dominated by *Urtica dioica* (Common Nettle) and *Rubus fruticosus* agg. (Bramble). Access was difficult/ not possible in many areas. The ground appears to have been subject to past disturbance as it is uneven with a lot of rubble/ bricks and other materials.

Target Note 19a. A single young Cotoneaster shrub (outside the survey site).

Target Note 20. A well used Badger path with numerous footprints noted along it.

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7 DATA

Table 2 – Vascular plant species recorded within the survey site

Plant Species	*Geranium pyrenaicum* (Hedgerow Crane's-bill)
Acer pseudoplatanus (Sycamore)	*Geranium robertianum* (Herb-robert)
Betula pendula (Silver Birch)	*Geum urbanum* (Wood Avens)
Corylus avellana (Hazel)	*Glyceria fluitans* (Floating Sweet-grass)
Crataegus monogyna (Hawthorn)	*Hedera helix* agg. (Ivy)
Fraxinus excelsior (Ash)	*Helminthotheca echioides* (Bristly Oxtongue)
Ilex aquifolium (Holly)	*Heracleum mantegazzianum* (Giant Hogweed)
Prunus avium (Wild Cherry)	*Heracleum sphondylium* (Hogweed)
Prunus domestica (Wild Plum)	*Hieracium* sp.
Prunus laurocerasus (Cherry-laurel)	*Holcus lanatus* (Yorkshire-fog)
Prunus spinosa (Blackthorn)	*Holcus mollis* (Creeping Soft-grass)
Quercus petraea (Sessile Oak)	*Hyacinthoides non-scripta* (Bluebell)
Quercus robur (Pedunculate Oak)	*Juncus acutiflorus* (Sharp-flowered Rush)
Rosa arvensis (Field-rose)	*Juncus bufonius* (Toad Rush)
Rosa canina agg. (Dog-rose)	*Juncus effusus* (Soft Rush)
Salix caprea (Goat Willow)	*Juncus inflexus* (Hard-rush)
Sambucus nigra (Elder)	*Lamiastrum galeobdolon* subsp. *argentatum* (Variegated Yellow Archangel)
Symphoricarpos albus (Snowberry)	*Lamium album* (White Dead-nettle)
Viburnum opulus (Guelder-rose)	*Lamium purpureum* (Red Dead-nettle)
	Lapsana communis (Nipplewort)
Achillea millefolium (Yarrow)	*Lathyrus pratensis* (Meadow Vetchling)
Aegopodium podagraria (Ground-elder)	*Lepidium coronopus* (Swine-cress)
Agrostis stolonifera (Creeping Bent)	*Lolium multiflorum* (Italian Ryegrass)
Alliaria petiolata (Garlic Mustard)	*Lolium perenne* (Perennial Rye-grass)
Allium ursinum (Ramsons)	*Matricaria discoidea* (Pineappleweed)
Alopecurus geniculatus (Marsh Foxtail)	*Medicago lupulina* (Black Medick)
Alopecurus myosuroides (Black-grass)	*Mercurialis perennis* (Dog's Mercury)
Alopecurus pratense (Meadow Foxtail)	*Narcissus* sp. (Daffodil)
Anagallis arvensis (Scarlet Pimpernel)	*Pentaglottis sempervirens* (Green Alkanet)
Anisantha sterilis (Barren Brome)	*Persicaria maculosa* (Redshank)
Anthriscus sylvestris (Cow Parsley)	*Phyllitis scolopendrium* (Hart's-tongue)
Arctium minus (Lesser Burdock)	*Plantago lanceolata* (Ribwort Plantain)
Arrhenatherum elatius (False Oat-grass)	*Plantago major* (Greater Plantain)
Artemisia vulgaris (Mugwort)	*Poa annua* (Annual Meadow-grass)

Arum maculatum (Lords-and-ladies)	*Polygonum aviculare* (Knotgrass)
Atriplex prostrata (Spear-leaved Orache)	*Ranunculus acris* (Meadow Buttercup)
Barbarea vulgaris (Winter-cress)	*Ranunculus repens* (Creeping Buttercup)
Bellis perennis (Daisy)	*Ranunculus sceleratus* (Celery-leaved Buttercup)
Bromus hordaceus (Soft-brome)	*Rubus fruticosus* agg. (Bramble)
Bromus racemosus/ commutatus (Smooth Brome)	*Rumex crispus* (Curled Dock)
Calystegia sepium (Hedge Bindweed)	*Rumex conglomeratus* (Clustered Dock)
Capsella bursa-pastoris (Shepherd's-purse)	*Rumex obtusifolius* (Broad-leaved Dock)
Cardamine hirsuta (Hairy Bitter-cress)	*Senecio jacobaea* (Common Ragwort)
Centaurea nigra (Common Knapweed)	*Senecio vulgaris* (Groundsel)
Cerastium fontanum (Common Mouse-ear)	*Sisymbrium officinale* (Hedge Mustard)
Chaerophyllum temulum (Rough Chervil)	*Solanum dulcamara* (Bittersweet)
Cirsium arvense (Creeping Thistle)	*Sonchus asper* (Prickly Sowthistle)
Cirsium vulgare (Spear Thistle)	*Stachys sylvatica* (Hedge Woundwort)
Clematis vitalba (Traveller's-joy)	*Stellaria holostea* (Greater Stitchwort)
Dactylis glomerata (Cock's-foot)	*Stellaria media* (Common Chickweed)
Dioscorea communis (Black Bryony)	*Symphytum* sp.
Dryopteris filix-mas (Male-fern)	*Taraxacum* sect. *Ruderalia* (Common Dandelion)
Elytrigia repens (Common Couch)	*Torilis japonica* (Upright Hedge-parsley)
Epilobium ciliatum (American Willowherb)	*Tragopogon pratensis* (Goat's-beard)
Epilobium hirsutum (Great Willowherb)	*Trifolium pratense* (Red Clover)
Epilobium montanum (Broad-leaved Willowherb)	*Trifolium repens* (White Clover)
Epilobium parviflorum (Hoary Willowherb)	*Tripleurospermum inodorum* (Scentless Mayweed)
Equisetum palustre (Marsh Horsetail)	*Tussilago farfara* (Colt's-foot)
Ervum tetraspermum (Smooth Tare)	*Urtica dioica* (Common Nettle)
Euphorbia helioscopia (Sun Spurge)	*Veronica arvensis* (Wall Speedwell)
Festuca rubra (Red Fescue)	*Veronica beccabunga* (Brooklime)
Ficaria verna (Lesser Celandine)	*Veronica chamaedrys* (Germander Speedwell)
Filipendula ulmaria (Meadowsweet)	*Veronica hederifolia* (Ivy-leaved Speedwell)
Fumaria muralis (Common Ramping-fumitory)	*Veronica persica* (Common Field-speedwell)
Galium aparine (Cleavers)	*Veronica serpyllifolia* (Thyme-leaved Speedwell)
Geranium dissectum (Cut-leaved Crane's-bill)	*Vicia sativa* (Common Vetch)
Geranium lucidum (Shining Crane's-bill)	*Viola riviniana* (Common Dog's-violet)
Geranium molle (Dove's-foot Crane's-bill)	*Viola tricolor* (Heartsease)

Table 3 – Hedgerow Survey Sheet for Hedgerow at Target Note 6

Hedge Number:		**H1 (*Target Note 6*)**		
Approximate length[12]:		**180 m**		
Status:		**Borderline important**		
Schedule 3 Woody Species	**Whole hedge (DAFOR)**	**In 30 m sample stretches**		
		1	**2**	**3**
Corylus avellana	R	✓	✓	
Crataegus monogyna	F-A	✓	✓	
Fraxinus excelsior	LF	✓	✓	
Ilex aquifolium	LA	✓	✓	
Prunus spinosa	LF		✓	
Rosa canina agg.	F	✓	✓	
Sambucus nigra	O	✓		
Ulmus glabra	R			
Total Schedule 3 species:	**8/9**	**6**	**6**	
Other Woody Species:	**2 (*Rosa arvensis, Acer pseudoplatanus*)**			
Total – All Woody Species:	**10/11**	**6**	**6**	

Features	
Supporting bank or wall:	×
Less than 10% gaps:	✓ (One gap of ca. 8 m)
Standard trees (> 1 per 50 m of hedge):	× (1 × *Fraxinus excelsior*, 1 × *Acer pseudoplatanus*)
Ditch for >50% of hedgerow length:	×
Parallel hedge within 15 m:	×
Four or more connection points:	× (One hedge, one woodland)
Three or more Schedule 2 species:	✓ (*Arum maculatum, Geum urbanum, Hyacinthoides non-scripta, Mercurialis perennis*)

Threshold Altering Factors, *e.g.* adjacent to footpath, bridleway or byway; presence of any of four significant woody species (listed in the *Regulations*) and or location in Northern Counties.
None.
Notes
See description in *Target Note 6*. GPS Grid ref. for start of Section 1: SJ31228 45897 +/- 2 m; Section 2: SJ31211 45808 +/- 2 m).

Conclusion	
Average Number of *Schedule 3* species per 30 m stretch:	6
Number of Features:	2
Special Qualifying Features (supports a rare species as defined in the Regulations):	Not confirmed.
Threshold Altering Factors:	None.

[12] Measured on https://magic.defra.gov.uk/MagicMap.html

Table 4 – Hedgerow Survey Sheet for Hedgerow at Target Note 9

Hedge Number:		**H2 (*Target Note 9*)**		
Approximate length:		**160 m**		
Status:		**Not Important**		
Schedule 3 Woody Species	**Whole hedge (DAFOR)**	**In 30 m sample stretches**		
		1	**2**	**3**
Crataegus monogyna	D	✓	✓	
Fraxinus excelsior	R		✓	
Prunus avium	R		✓	
Prunus spinosa	R	✓		
Rosa canina agg.	O	✓		
Sambucus nigra	R	✓	✓	
Total Schedule 3 species:	**6/7**	**4**	**4**	
Other Woody Species:	**2 (*A. pseudoplatanus, Prunus domestica*)**			
Total – All Woody Species:	**8/9**	**4**	**4**	

Features	
Supporting bank or wall:	×
Less than 10% gaps:	×
Standard trees (> 1 per 50 m of hedge):	× (None)
Ditch for >50% of hedgerow length:	✓
Parallel hedge within 15 m:	✓
Four or more connection points:	× (One hedge, one woodland)
Three or more Schedule 2 species:	✓ (*Arum maculatum, Dryopteris filix-mas, Geranium robertianum, Mercurialis perennis, Phyllitis scolopendrium*)

Threshold Altering Factors, *e.g.* adjacent to footpath, bridleway or byway; presence of any of four significant woody species (listed in the *Regulations*) and or location in Northern Counties.
None.

Notes
See description in *Target Note 6*. GPS Grid ref. for start of Section 1: SJ31228 45750 +/- 2 m; Section 2: SJ31311 45757 +/- 2 m). The hedge appears to be of relatively recent origin at Section 2. Badger sett present at SJ31305 45754 +/- 3 m.

Conclusion	
Average Number of Schedule 3 species per 30 m stretch:	4
Number of Features:	3
Special Qualifying Features (supports a rare species as defined in the Regulations):	Not confirmed.
Threshold Altering Factors:	None.

8 APPENDIX 1 - SPECIES-SPECIFIC LEGISLATION

8.1 Introduction

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

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

8.2 Badger

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

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

8.3 Bats

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

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

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

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

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

8.4 Great Crested Newt

8.4.1 Great Crested Newts are listed on *Schedule 5* of the *Wildlife and Countryside Act 1981* (as amended), and receive full protection under *Section 9*. The 1981 Act was amended by the *CRoW Act 2000* which further extends the protection. They are also listed as European Protected Species on *Schedule 2* of *The Conservation of Habitats and Species Regulations*

2017 which gives it full protection under *Regulation 42(1)*. The legislation applies to all life stages of the Great Crested Newt, including eggs, larvae, juveniles and adults.

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

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

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

8.5 Reptiles

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

8.5.2 Under the above legislation it is an offence to:

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

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

8.6 Birds

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

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

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

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

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

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

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

Gwasanaeth Gwybodaeth Amgylcheddol Gogledd Cymru
North Wales Environmental Information Service

Cofnod Environmental Information Search (PUBLIC VERSION)

Our Reference	CO/E11519
Your Reference	C520
Requested By	Tom Knight, Marches Ecology LLP
Data Users	Tom Knight, Partner, Marches Ecology; Max Ellson, Partner, Marches Ecology; Garry Sharples, Senior Project Manager, National Trust; John Millen, National Trust; Mick Smith, Director, Wildbanks Conservation
Search Date	14/08/2023 13:47
Expiry Date	14/02/2024 (may be extended on request)
Search Type	Chargeable

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Important Information

- Use of the data is governed by Cofnod's Terms & Conditions.
- Data marked as confidential or sensitive must not be released into the public domain, with the exception of the Public Version of the PDF report, which has had sensitive information removed or restricted.
- You should not amend any part of the downloaded records.
- Unless otherwise agreed, use of the data is valid until the Expiry Date (14/02/2024).
- Past records of presence of a habitat or species do not guarantee continued occurrence; absence of records does not imply absence of a species, merely that no records are held by Cofnod; Cofnod cannot guarantee the accuracy of supplied data; copyright of records remains with the original recorder.
- The Dataset ID associated with each record can be used to find information about the provenance of the data. See the Cofnod Metadata page for more information.
- Verification Levels are given for each record and indicate whether the record has been assessed by an expert.
- Please contact us if you have any questions about using the data or wish to add further Data Users.

Notes

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

Verification Levels

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

Species Categories

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

Abbreviations

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

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Species in Vice-County 49: Caernarvonshire, **LI-49[LR]** - Locally Important Species in Vice-County 49: Caernarvonshire, **LI-49[LS]** - Locally Important Species in Vice-County 49: Caernarvonshire, **LI-50[LR]** - Locally Important Species in Vice-County 50: Denbighshire, **LI-50[LS]** - Locally Important Species in Vice-County 50: Denbighshire, **LI-51[LR]** - Locally Important Species in Vice-County 51: Flintshire, **LI-51[LS]** - Locally Important Species in Vice-County 51: Flintshire, **LI-52[LR]** - Locally Important Species in Vice-County 52: Anglesey, **LI-52[LS]** - Locally Important Species in Vice-County 52: Anglesey, **LI-BR-48[LR]** - Bryophyte Rarity List for Vice-County 48: Merionethshire (Locally rare), **LI-BR-49[EX]** - Bryophyte Rarity List for Vice-County 49: Caernarvonshire, **LI-BR-49[LR]** - Bryophyte Rarity List for Vice-County 49: Caernarvonshire, **LI-VP-48[LR]** - Rare Plant Register for Vice-County 48: Merionethshire (Locally Rare), **LI-VP-48[LS]** - Rare Plant Register for Vice-County 48: Merionethshire (Locally Scarce), **LI-VP-49[LR]** - Rare Plant Register for Vice-County 49: Caernarvonshire (Locally Rare), **LI-VP-49[LS]** - Rare Plant Register for Vice-County 49: Caernarvonshire (Locally Scarce), **LI-VP-50[LNS]** - Rare Plant Register for Vice-County 50: Denbighshire (Locally near scarce), **LI-VP-50[LR]** - Rare Plant Register for Vice-County 50: Denbighshire (Locally rare), **LI-VP-50[LS]** - Rare Plant Register for Vice-County 50: Denbighshire (Locally scarce), **LI-VP-51[LR]** - Rare Plant Register for Vice-County 51: Flintshire (Locally rare), **LI-VP-51[LS]** - Rare Plant Register for Vice-County 51: Flintshire (Locally scarce), **LI-VP-52[LR]** - Rare Plant Register for Vice-County 52: Anglesey (Locally Rare), **LI-VP-52[LS]** - Rare Plant Register for Vice-County 52: Anglesey (Locally Scarce), **PBA** - Protection of Badgers Act 1992, **RDB-NR** - Red Data Book listing (not based on IUCN guidelines) - Nationally Rare, **RDB-NS** - Red Data Book listing (not based on IUCN guidelines) - Nationally Scarce, **RL-CR** - IUCN Red List of Threatened Species - Critically Endangered, **RL-DD** - IUCN Red List of Threatened Species - Data Deficient, **RL-EN** - IUCN Red List of Threatened Species - Endangered, **RL-NT** - IUCN Red List of Threatened Species - Near Threatened, **RL-PX** - IUCN Red List of Threatened Species - Possibly Extinct, **RL-VU** - IUCN Red List of Threatened Species - Vulnerable, **S7** - Environment (Wales) Act 2016 (Section 7), **UKBA** - RSPB/BTO Birds of Conservation Concern - Amber list (not based on IUCN criteria), **UKBR** - RSPB/BTO Birds of Conservation Concern - Red list (not based on IUCN criteria), **WBA** - RSPB/BTO Birds of Conservation Concern in Wales - Amber list (not based on IUCN criteria), **WBR** - RSPB/BTO Birds of Conservation Concern in Wales - Red list (not based on IUCN criteria), **WCA1.1** - Wildlife & Countryside Act 1981 Schedule 1.1 - Birds which are protected at all times, **WCA1.2** - Wildlife & Countryside Act 1981 Schedule 1.2 - Birds which are protected during the close season, **WCA5** - Wildlife & Countryside Act 1981 Schedule 5 - Animals which are protected, **WCA9** - Wildlife & Countryside Act 1981 Schedule 9 - Animals and plants which may not be released/planted or allowed to escape/grow in the wild, **WRL-TM[EN]** - IUCN compliant Red List for Britain's Terrestrial Mammals (Endangered), **WRL-TM[VU]** - IUCN compliant Red List for Britain's Terrestrial Mammals (Vulnerable), **WRL-VP[NT]** - Vascular Plant Red Data List for Wales (Near Threatened), **WRL-VP[VU]** - Vascular Plant Red Data List for Wales (Vulnerable)

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Data Description

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

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Dataset Information

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

Dataset ID	Title	Acknowledgements	Type
D0026/030/01	Records captured from CCW regional files - CCW Files SJ26.3.1 & SJ26.3.2 - SSSI: Buckley Claypits And Commons - Scientific Information - Amphibians - General	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0026/036/01	Records captured from CCW regional files - CCW Files SJ26.3.1 & SJ26.3.2 - SSSI: Buckley Claypits And Commons - Scientific Information - Standard	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0026/279/01	Records captured from CCW regional files - CCW File M1.1.4.2 - North Wales - Amphibian Survey and Monitoring	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0035/002/01	Vice-County dataset - Reptile records from Denbighshire and Flintshire Vice-counties (50 and 51)	Mick Brummage (North East Wales Amphibian and Reptile Network)	Species
D0059/001/03	North Wales badger records held by Clwyd Badger Group (including some historic data) - CBG Historic sett data	Clwyd Badger Group (clwydbadgergroup@btinternet.com)	Species
D0062/008/01	Vice-County dataset - Bird records from Flintshire and Denbighshire Vice-counties (50 and 51) - All records up to 2018	Ian M Spence (Clwyd Bird Recording Group)	Species
D0062/010/01	Vice-County dataset - Bird records from Flintshire and Denbighshire Vice-counties (50 and 51) - 2019 records	Ian M Spence (Clwyd Bird Recording Group)	Species
D0127/001/02	Historic Vice-County dataset - Butterfly records from Denbighshire and Flintshire Vice-counties (50 and 51)	Rob Whitehead	Species
D0135/022/01	Miscellaneous species records by Andrew and Janet Graham - Invertebrate records, mainly from 2021	Andrew Graham	Species
D0137/001/01	Great Crested Newt (Triturus cristatus) Sites in Wales	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D0225/001/01	Native Black Poplar records from North East Wales	Les Starling & Trefor Thompson	Species
D0346/001/01	eBird records - 2020 records from Cofnod area	Cornell Lab of Ornithology	Species
D0346/003/01	eBird records - Records from Cofnod area between 2011 and 2019	Cornell Lab of Ornithology	Species
D0823/001/02	A collation of records of stoneworts in Wales	Cyfoeth Naturiol Cymru/Natural Resources Wales (NBN Download)	Species
D0969/001/05	Miscellaneous species records submitted to rECOrd	rECOrd	Species
D0989/001/01	CLARKE, A., 2002: "Skylark Breeding Surveys - Alyn Waters Country Park & Maes Hafod Community Woodland". Unpublished report. - CLARKE, A., 2002: "Skylark Breeding Surveys - Alyn Waters Country Park & Maes Hafod Community Woodland". Unpublished report.	Clarke, A. & Cyngor Bwrdreistref Sirol Wrecsam/Wrexham County Borough Council	Species

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D1045/001/01	Newt Surveys at Johnstown SAC and Deeside & Buckley SAC	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1075/001/06	Bryophyte data for Great Britain from the British Bryological Society held by BRC: Atlas 2014 - North Wales data	British Bryological Society (NBN download 04/12/2019)	Species
D1076/001/02	Reptiles and Amphibians Dataset	Biological Records Centre (NBN Download)	Species
D1117/001/01	ad hoc Cofnod Online Recording System records	Individual Recorder(s)	Species
D1118/011/03	Miscellaneous species datasets held in MapInfo format by Matthew Ellis - Great Crested Newt records	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1118/013/01	Miscellaneous species datasets held in MapInfo format by Matthew Ellis - Watervole records	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1122/001/01	ANON - HERPETOFAUNA CONSULTANTS INTERNATIONAL, 1992: "Crested Newt Survey of North-East Clwyd. A report to the Countryside Council for Wales (September 1992)". - Great Crested Newt data	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1122/002/01	ANON - HERPETOFAUNA CONSULTANTS INTERNATIONAL, 1992: "Crested Newt Survey of North-East Clwyd. A report to the Countryside Council for Wales (September 1992)". - Non Great Crested Newt data	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1169/004/04	Vice-County dataset - Vascular plant records from Denbighshire Vice-county (50). - Complete dataset	Delyth Williams (BSBI Vice County Recorder)	Species
D1275/005/01	Records of spiders and their allies by Bryan Formstone - 2022 records	Bryan Formstone	Species
D1286/001/02	Invasive species records gathered as part of North East Wales Invasive Action project	North East Wales Wildlife	Species
D1295/001/05	Dragonfly records from the British Dragonfly Society Recording Scheme - Records from the Cofnod area	British Dragonfly Society Recording Scheme (2022). Dragonfly records from the British Dragonfly Society Recording Scheme. Occurrence dataset on the NBN Atlas	Species
D1297/025/01	BirdTrack records - 2004-2018 data from Vice-Counties 50 & 51 (Denbighshire & Flintshire)	Ian M. Spence and British Trust for Ornithology	Species
D1297/026/01	BirdTrack records - 2019 data from Vice-County 50 (Denbighshire)	Ian M. Spence and British Trust for Ornithology	Species
D1297/039/01	BirdTrack records - 2020 records for Vice-County 50 (Denbighshire)	Ian M. Spence and British Trust for Ornithology	Species
D1297/042/01	BirdTrack records - 1900-2003 records for Vice-County 50 Denbighshire	Ian M. Spence and British Trust for Ornithology	Species
D1297/047/01	BirdTrack records - 2021 records from within the Cofnod boundary (excluding Meirionnydd)	Julian Hughes & British Trust for Ornithology	Species
D1297/050/01	BirdTrack records - 2022 records for Vice-County 50 (Denbighshire)	Ian M. Spence & British Trust for Ornithology	Species
D1314/002/01	Records contained within annual summaries of NEWARN amphibian survey and monitoring results - 2003 data	Cyfoeth Naturiol Cymru/Natural Resources Wales and North East Wales Amphibian and Reptile Network	Species

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D1314/003/01	Records contained within annual summaries of NEWARN amphibian survey and monitoring results - 2004 data	Cyfoeth Naturiol Cymru/Natural Resources Wales and North East Wales Amphibian and Reptile Network	Species
D1314/004/01	Records contained within annual summaries of NEWARN amphibian survey and monitoring results - 2005 data	Cyfoeth Naturiol Cymru/Natural Resources Wales and North East Wales Amphibian and Reptile Network	Species
D1314/006/01	Records contained within annual summaries of NEWARN amphibian survey and monitoring results - 2007 data	Cyfoeth Naturiol Cymru/Natural Resources Wales and North East Wales Amphibian and Reptile Network	Species
D1320/003/01	Records collected as part of Great Crested Newt monitoring coordinated by Natural Resources Wales - 2005 surveys	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1320/014/01	Records collected as part of Great Crested Newt monitoring coordinated by Natural Resources Wales - Data entered onto Cofnod ORS	North East Amphibian & Reptile Network	Species
D1373/001/05	Historic Vice-County dataset - Butterfly records from Denbighshire and Flintshire Vice-counties (50 and 51)	David Hinde	Species
D1398/001/01	Miscellaneous species records collected as part of the 'Not Just Newts' project funded by Countryside Council for Wales Species Challenge Fund. - Bat records	North East Wales Wildlife	Species
D1398/002/01	Miscellaneous species records collected as part of the 'Not Just Newts' project funded by Countryside Council for Wales Species Challenge Fund. - Miscellaneous species records	North East Wales Wildlife	Species
D1480/001/01	Wales Online Amphibian & Reptile Atlas Ad-hoc Records	Amphibian & Reptile Conservation Trust	Species
D1486/001/01	Natural Resources Wales North Wales Bat Roosts	Cyfoeth Naturiol Cymru/Natural Resources Wales	Species
D1531/001/01	Species records held by Wild Ground for all reserves - Ad hoc records	Wild Ground	Species
D1531/003/01	Species records held by Wild Ground for all reserves - Ad hoc records from Wild Ground ponds	Wild Ground	Species
D1586/014/01	Miscellaneous species records collected as part of the Dee Invasive Non-Native Species Project - Records entered through the Dee INNS Atlas or Cofnod ORS	Individual Recorders & Dee Invasive Non-Native Species Project	Species
D1642/001/01	Butterfly distributions for Great Britain for the period 2000-2009 from Butterfly Conservation and the Biological Records Centre - Records not already held by Cofnod (VCs 50 & 51)	Butterfly Conservation (NBN download)	Species
D1650/001/02	Miscellaneous invertebrate species records by Bryan Formstone and others - Aculeata records from Vice-counties 50 and 51	Bryan Formstone	Species
D1688/007/01	Big Hedgehog Map records - Records from January 2021 - July 2021	People's Trust for Endangered Species	Species
D1696/001/01	Miscellaneous species records collected by Marches Ecology on behalf of various clients - Records from miscellaneous reports entered by Marches Ecology	Marches Ecology	Species

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D1737/003/01	Amphibian and Reptile records held by ARC Trust - Data from the Cofnod area	Amphibian and Reptile Conservation	Species
D1775/001/02	Tir Cynnal and Tir Gofal Monitoring and Evaluation Programme: Field-scale winter surveys of yellowhammers	Welsh Government (NBN Download, 13/11/2019)	Species
D1844/001/03	iRecord data for the Cofnod area - Verified data	Biological Records Centre and Individual Recorders	Species
D1847/001/01	Hogwatch and Rural Landowner surveys	People's Trust for Endangered Species	Species
D1852/001/01	RSPB Big Garden Birdwatch winter sightings in the UK in 2008 - 2008 records	RSPB (NBN Download, 16/01/2019)	Species
D1852/002/01	RSPB Big Garden Birdwatch winter sightings in the UK in 2008 - 2009 records	RSPB (NBN Download, 16/01/2019).	Species
D1858/001/02	Butterfly records collected and collated by Andrew Graham for VCs 50 and 51 - Records to 2019 inclusive	Andrew Graham	Species
D1858/004/01	Butterfly records collected and collated by Andrew Graham for VCs 50 and 51 - 2021 records	Andrew Graham	Species
D1923/001/01	Natural Resources Wales (NRW) Licence Return Dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales (NBN Download, 05/12/2019)	Species
D0220/009/01	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/02	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/03	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/04	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/05	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/06	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/07	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/08	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/09	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/10	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites

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D0220/009/11	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/009/12	GIS Datasets for Protected Sites in Wales - Sites of Special Scientific Interest (SSSI) - GIS dataset	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Sites
D0220/011/01	GIS Datasets for Protected Sites in Wales - Country Parks	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/011/02	GIS Datasets for Protected Sites in Wales - Country Parks	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/011/03	GIS Datasets for Protected Sites in Wales - Country Parks	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Sites
D0220/012/01	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/02	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/03	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/04	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/05	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/012/06	GIS Datasets for Protected Sites in Wales - Special Areas of Conservation-GIS dataset	Cyfoeth Naturiol Cymru/Natural Resources Wales	Sites
D0220/013/01	GIS Datasets for Protected Sites in Wales - Listed Buildings	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0220/013/02	GIS Datasets for Protected Sites in Wales - Listed Buildings	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), 09/05/2023, licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D0220/014/01	GIS Datasets for Protected Sites in Wales - Scheduled Monuments	Welsh Government	Sites
D0220/014/02	GIS Datasets for Protected Sites in Wales - Scheduled Monuments	Designated Historic Asset GIS Data, The Welsh Historic Environment Service (Cadw), 09/05/2023, licensed under the Open Government Licence http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/	Sites
D1677/001/01	Wild Ground Reserve Boundaries	Wild Ground	Sites

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D1677/001/02	Wild Ground Reserve Boundaries	Wild Ground	Sites
D2073/001/01	Important Invertebrate Areas	Buglife	Sites
D0157/002/01	Phase 1 Habitat Survey of Wales 1979-1997 - GIS layer showing habitats as polygons and using the phase 1 codes to identify the habitat category	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Habitats
D1006/004/01	Ancient Woodland Inventory 2021 - 2021	Cyfoeth Naturiol Cymru/Natural Resources Wales	Habitats
D1006/004/02	Ancient Woodland Inventory 2021 - 2021	Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right.	Habitats

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Search Location	Grid Reference
Hafod Road (South)	SJ3129545868

Category 1 Species

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Acanthis cabaret (Lesser Redpoll)	SJ3146 *(Approximate)*	11/10/2020	Mr Steven Davies	2		Bonc-yr-Hafod		D1297/039/01	BAP, LBAP-C, LBAP-D, S7, WBR	PC
Alauda arvensis (Skylark / Ehedydd)	SJ311468 *(Estimated (Centroid of Site))*	08/05/2002 to 20/06/2002	Andrew Clarke	13-15 Territories		SSSI: Stryt Las a'r Hafod; Maes Hafod Community Woodland	Grid ref determined from email communication with Emily Meilleur.	D0989/001/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Alcedo atthis (Kingfisher / Glas y Dorlan)	SJ308462 *(Estimated (Centroid of Site))*	29/09/2008	Karl Martin	1 Adult	Field record	Hafod Newt Reserve	Disturbed near Pond 6	D1398/002/01	BDir1, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, WBA, WCA1.1	PC
Alcedo atthis (Kingfisher / Glas y Dorlan)	SJ3044	25/01/2014	Steven Davies	1		Ruabon, N	Birdtrack. Monks Pool	D1297/025/01	BDir1, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, WBA, WCA1.1	PC
Alcedo atthis (Kingfisher / Glas y Dorlan)	SJ3246 *(Approximate)*	09/04/2021	Mrs Heather Cartwright			Middle Sontley		D1297/047/01	BDir1, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, WBA, WCA1.1	UA
Anguilla anguilla (Eel / Llysywen)	SJ3079246468 *(Selected from Interactive Map)*	26/04/2016	Alasdair Thomson; Lindsy Bryan	1 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH13		D1320/014/01	BAP, LBAP-C, LBAP-G, RL-CR, S7	PC
Arvicola amphibius (Water Vole / Llygoden Bengron y Dwr)	SJ320465	2 records, between 1998 and 1999	J. Walsh; Anon		Burrows, latrines and feeding remains	Middle Sontley Farm;Sontley Farm	Latrine and burrow	D1118/013/01	BAP, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, RL-EN, S7, WCA5, WRL-TM[EN]	UA
***Botaurus stellaris* (Bittern / Aderyn y Bwn)**	SJ34	**2019**	**N. Roberts Via Dr C.C. Jones**	**1**		**-Withheld-**	**-Withheld-**	D0062/010/01	**BAP, BDir1, Bern2, LBAP-A, LBAP-C, LBAP-G, RL-NT, RL-VU, S7, UKBA, WBA, WCA1.1**	**NA**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3081546275 *(Selected from Interactive Map)*	3 records, between 08/05/2012 and 04/05/2022	Simon Cope; Nicola Wheeler; Matthew Ellis	1 Larva/Tadpole; 1 Adult (Sex Unknown); 2 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 09		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA, PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3060545355 *(Selected from Interactive Map)*	08/05/2012	Simon Cope; Nicola Wheeler	1 Male	Torch Count	Johnstown - Hafod R2: Pond 31		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3079246468 *(Selected from Interactive Map)*	15 records, between 04/05/2006 and 04/05/2023	Alasdair Thomson; Rachael Davis; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Ally Whitley; Alasdair Thomson; Jamie Thomson; Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Su...	Larva/Tadpole; 1 Adult (Sex Unknown); 4 Adult (Sex Unknown); 41 Adult (Sex Unknown); 1 Adult (Sex Unknown); Larva/Tadpole; 1000 Larva/Tadpole	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH13		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA, PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3081546215 *(Selected from Interactive Map)*	3 records, between 09/04/2013 and 11/03/2022	Matthew Ellis; Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day	1 Adult (Sex Unknown); 1 Larva/Tadpole	Torch Count	Johnstown - Hafod R1: Pond 10		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA, PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3076545885 *(Selected from Interactive Map)*	11/03/2022	Simon Cope; Nicola Wheeler	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod Lagoons: Lagoon 3		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3072545865 *(Selected from Interactive Map)*	3 records, between 08/04/2015 and 11/03/2022	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Matthew Ellis	1 Adult (Sex Unknown); 1 Male; 1 Female; 1 Age & Sex Unknown	Torch Count	Johnstown - Hafod Lagoons: Lagoon 4		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC, NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3085846385 *(Selected from Interactive Map)*	3 records, between 12/04/2017 and 11/03/2022	Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Simon Cope	1 Adult (Sex Unknown); 2 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 04		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC, NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3078546385 *(Selected from Interactive Map)*	11/03/2022	Simon Cope; Nicola Wheeler	2 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 05a		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3080546365 *(Selected from Interactive Map)*	3 records, between 10/04/2008 and 11/03/2022	Simon Cope; Nicola Wheeler; Matthew Ellis; Kylie Jones; Kim Norman	2 Adult Male; 1 Adult (Sex Unknown); 2 Adult (Sex Unknown); 1 Adult Female	Torch Count	Johnstown - Hafod R1: Pond 06		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC, NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3083546305 *(Selected from Interactive Map)*	4 records, between 12/04/2017 and 04/05/2022	Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Simon Cope	1 Adult (Sex Unknown); 3 Adult (Sex Unknown); 4 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 08		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC, NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3077446631 *(Selected from Interactive Map)*	2 records, between 10/04/2018 and 14/05/2019	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Jamie Thomson	2 Adult (Sex Unknown); 1 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH19		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3072546181 *(Selected from Interactive Map)*	2 records, between 10/04/2018 and 06/06/2019	Paul Furnborough; Ian Moran; Paul Furnborough	1 Age & Sex Unknown; 2 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3081946476 *(Selected from Interactive Map)*	7 records, between 23/04/2013 and 04/05/2023	Alasdair Thomson; Sue Mills; David Mills; Emma Watson; Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Lindsy Bryan; Julie Rose; Sue Budd; ...	8 Adult (Sex Unknown); 5 Adult (Sex Unknown); 1 Adult (Sex Unknown); 2 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH14	3 big fish spotted - previously fish free	D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC, NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3117546483 *(Selected from Interactive Map)*	2 records, between 02/06/2015 and 06/04/2022	Alasdair Thomson; Sue Mills; David Mills; Emma Watson; Alasdair Thomson; Rachael Davis; Kim Norman	1 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH17		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC, NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3055545659 *(Selected from Interactive Map)*	06/04/2022	Kate Wilson; Naomi Chapple-Parry	2 Age & Sex Unknown	Torch Count	Johnstown - Morgan Ceramics: MC01		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3081546395 *(Selected from Interactive Map)*	10/04/2018	Matthew Ellis	2 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 05		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3094546365 *(Selected from Interactive Map)*	10/04/2018	Matthew Ellis	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 02a (former site)		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3093546415 *(Selected from Interactive Map)*	10/04/2018	Matthew Ellis	11 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 03 (former site)		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3096546415 *(Selected from Interactive Map)*	10/04/2018	Matthew Ellis	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 01		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3094546395 *(Selected from Interactive Map)*	10/04/2018	Matthew Ellis	2 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 02		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3116646487 *(Selected from Interactive Map)*	10/04/2018	Alasdair Thomson; Lindsy Bryan	1 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH16		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3072546099 *(Selected from Interactive Map)*	2 records, between 16/05/2019 and 21/04/2021	Paul Furnborough; Emma Ellis; Ian Moran	1 Adult (Sex Unknown); 2 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12e		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3077746606 *(Selected from Interactive Map)*	3 records, between 08/06/2011 and 04/05/2023	Alasdair Thomson; Alasdair Thomson; Emma Watson; Alasdair Thomson; Sue Mills	1 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH18		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA, PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ3078846181 *(Selected from Interactive Map)*	16/05/2019	Ian Moran	2 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12b		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	NA
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ307460 *(Selected from Interactive Map)*	04/05/2022	Kate Wilson; Naomi Chapple-Parry	1 Adult		Aberderfryn	Recorded during GCN survey.	D1531/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Bufo bufo (Common Toad / Llyffant Dafadennog)	SJ307461 *(Selected from Interactive Map)*	04/05/2023	Naomi Chapple-Parry; Ian Moran	2 Adult	Live Sighting/Torch Count	Aberderfryn		D1531/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Cerastium fontanum (Common Mouse-ear / Clust-y-Llygoden Gulddail)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 2,3	D1531/001/01	BAP	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Cerastium fontanum (Common Mouse-ear / Clust-y-Llygoden Gulddail)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	BAP	NA
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ307459 *(Approximate)*	24/11/2015	Karl Martin	Present Full-Grown		Aberderfyn	Overhead	D1531/001/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	PC
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ3145	24/01/2014	Mark T Breaks			Johnstown, SE	BirdTrack	D1297/025/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	PC
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ3146	2 records, between 20/12/2014 and 04/08/2017	Steven Davies; Trevor B Taylor			Rhosllanerchrugog, Brick works	BirdTrack	D1297/025/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	PC
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ3044	25/01/2014	Steven Davies	20+		Ruabon, N	BirdTrack	D1297/025/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	PC
Chroicocephalus ridibundus (Black-headed Gull / Gwylan Benddu)	SJ3246 *(Approximate)*	2 records, between 01/02/2022 and 19/03/2022	Mr James Hughes	20+		Sontley, pools		D1297/050/01	BDir2.2, LBAP-G, RL-VU, S7, UKBA, WBR	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Coenonympha pamphilus (Small Heath / Gweirlöyn Bach y Waun)	SJ311466	17/07/2005	Adrian R. Jones	2 Adult		Bonc-yr-hafod (Picnic Mountain)		D1373/001/05	BAP, LBAP-G, RL-NT, S7	NA
Emberiza citrinella (Yellowhammer / Bras Melyn)	SJ3245	2 records, between 08/05/2008 and 14/06/2008	Neil Hughes	3; 4	Reported to recorder	Gyfelia	TTV record. Survey: Observer data	D0062/008/01	BAP, Bern2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, UKBR, WBR	NA
Emberiza citrinella (Yellowhammer / Bras Melyn)	SJ3146	20/02/2002	Emily Meilleur		Reported to recorder	Rhosllanerchrugog, Brick works	Survey: Observer data	D0062/008/01	BAP, Bern2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, UKBR, WBR	NA
Emberiza citrinella (Yellowhammer / Bras Melyn)	SJ3246	2 records, both on 01/07/2001	Neil Hughes	3 Female; 3 Male	Reported to recorder	Sontley, pools	Survey: Observer data	D0062/008/01	BAP, Bern2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, UKBR, WBR	NA
Emberiza citrinella (Yellowhammer / Bras Melyn)	SJ3144	04/05/2001	Mervyn Rogers	1 Male	Reported to recorder	Ruabon, NE	Activity: S. Survey: Observer data	D0062/008/01	BAP, Bern2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, UKBR, WBR	NA
Emberiza schoeniclus (Reed Bunting / Bras y Cyrs)	SJ3044	11/02/2020	Recorder name withheld (obsr1506277)	1		Garden		D0346/001/01	BAP, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBA	UA
Emberiza schoeniclus (Reed Bunting / Bras y Cyrs)	SJ3045	01/04/2007	Norman Hallas	1 Male	Reported to recorder	Ruabon, New Hall	flew from reeds. Survey: Observer data	D0062/008/01	BAP, Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBA	NA
Erinaceus europaeus (Hedgehog / Draenog)	SJ3061246420	05/05/2021	Anon			Brynhyfryd, Johnstown, Wrexham	Alive	D1688/007/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Erinaceus europaeus (Hedgehog / Draenog)	SJ3046	3 records, between 2005 and 20/08/2012	Anon; Jeffrey, Sue	1 adult		Johnstown	Baby brought into Wrexham HH rescue. Mammal Society (Mammal Atlas)	D1847/001/01, D1844/001/03	BAP, Bern3, LBAP-A, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, WRL-TM[VU]	UA, NA
Erynnis tages (Dingy Skipper / Gwibiwr Llwyd)	SJ311466	4 records, between 22/05/2004 and 18/06/2005	Adrian R. Jones	10; 33; 4; 1		Bonc-yr-hafod (Picnic Mountain)		D1858/001/02	BAP, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7	NA
Erynnis tages (Dingy Skipper / Gwibiwr Llwyd)	SJ307462	07/06/2003	Rob W Whitehead	2	Field record	Aberderfyn, Johnstown		D1373/001/05	BAP, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7	NA
***Erynnis tages tages* (Dingy Skipper)**	SJ	**4 records, between 22/05/2004 and 18/06/2005**	**Adrian R. Jones**	**4; 33; 1**		**-Withheld-**	**-Withheld-**	D1642/001/01	**BAP, S7**	**NA**
Falco peregrinus (Peregrine / Hebog Tramor)	SJ3246 *(Approximate)*	06/06/2022	Mrs Heather Cartwright	1		Middle Sontley		D1297/050/01	BDir1, Bern2, Bonn2, CITES-A, GBNNSIP, LBAP-A, LBAP-C, LBAP-G, WCA1.1	UA
Ficedula hypoleuca (Pied Flycatcher / Gwybedog Brith)	SJ3246	11/06/2011	Neil Hughes	2	Reported to recorder	Sontley, pools	Activity: FF. Survey: Observer data	D0062/008/01	Bonn2, LBAP-C, LBAP-E, LBAP-G, RL-VU, S7, UKBA, WBR	NA
Fringilla montifringilla (Brambling / Pinc y Mynydd)	SJ3044	02/01/2020	Recorder name withheld (obsr1506277)	1		Garden		D0346/001/01	LBAP-C, WCA1.1	UA
Hipparchia semele (Grayling / Gweirlöyn Llwyd)	SJ311466	5 records, between 27/07/2002 and 07/08/2005	R.W.Whitehead; Adrian R. Jones	4; 1		Bonc-yr-hafod (Picnic Mountain)		D1858/001/02	BAP, LBAP-G, RL-VU, S7	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ3246 *(Approximate)*	10 records, between 21/04/2020 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright	3; 14; 20+; 2; 1+; 80+		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	PC, UA
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ3045	04/07/2009	Jason Newton	1	Reported to recorder	Ruabon, New Hall	Survey: Observer data	D0062/008/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	NA
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ3145	24/01/2014	Mark T Breaks	400		Johnstown, SE	BirdTrack	D1297/025/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	PC
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ3146	2 records, between 04/08/2017 and 03/05/2019	Trevor B Taylor; Mrs Norma Williams			Rhosllanerchrugog, Brick works;Bonc-Y-Hafod	BirdTrack	D1297/025/01, D1297/026/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	PC
Larus argentatus (Herring Gull / Gwylan y Penwaig)	SJ3044	28/12/2019	Recorder Name withheld (obsr1506277)	2		Garden		D0346/003/01	BAP, BDir2.2, LBAP-C, LBAP-G, RL-DD, RL-EN, S7, UKBR, WBR	UA
Lasiommata megera (Wall / Gweirlöyn y Cloddiau)	SJ311466	7 records, between 31/07/2004 and 03/09/2005	Adrian R. Jones	4 Adult; 1 Adult		Bonc-yr-hafod (Picnic Mountain)		D1373/001/05	BAP, LBAP-G, RL-NT, S7	NA
Linaria cannabina (Linnet / Llinos)	SJ3046	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16443121-106609043	D1852/002/01	BAP, Bern2, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-NT, S7, UKBR, WBR	PC
Linaria cannabina (Linnet / Llinos)	SJ3246 *(Approximate)*	02/05/2022	Mrs Heather Cartwright	2		Middle Sontley		D1297/050/01	BAP, Bern2, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-NT, S7, UKBR, WBR	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ308463 *(Selected from Interactive Map;Supplied by Original Recorder (Checked);Estimated (Centroid of Site))*	9 records, between 23/04/2003 and 14/09/2010	Simon Cope; Matthew Ellis, Alan Brown, D. Tomlinson, Ian Hughes, Rachel Watson; Anon; Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry; Recorder Name Withheld	5 Larvae; 263; 96; 156; 22; 164; 356; 1 adult; 3 adult		Hafod Quarry R1;SSSI: Stryt Las a'r Hafod;Wrexham;Hafod Mitigation Pools; Hafod;Hafod Mitigation Area	SLH-04 & -05; Torch survey of 17 ponds; Torch survey of 11 ponds; Torch survey of 12 ponds; Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris. Source: Old ARC database	D1117/001/01, D1314/003/01, D0026/279/01, D1314/002/01, D1314/004/01, D1737/003/01	Bern3, WCA5	PC, NA
Lissotriton	SJ308462 *(Selected from Interactive Map;Estimated (Centroid of Site))*	4 records, between 17/04/2007 and 14/09/2010	Simon Cope; Anon; Anon - CCW	2 Larvae; 24; 6; 39		Hafod Quarry R1;SSSI: Stryt Las a'r Hafod; Hafod R1 Mitigation Site	SLH-09; Torch survey of 11 ponds	D1117/001/01, D1314/006/01	Bern3, WCA5	PC
Lissotriton	SJ305453 *(Selected from Interactive Map)*	14/09/2010	Simon Cope	4 Larvae		Hafod Quarry R2	SLH-30 & -31	D1117/001/01	Bern3, WCA5	PC
Lissotriton	SJ306453 *(Selected from Interactive Map;Estimated (From Recorder's Map);Estimated (Centroid of Site))*	11 records, between 21/04/2005 and 14/09/2010	Simon Cope; Matthew Ellis, N. Smith, David Groom, Jacinta Challinor; Anon - CCW; Anon	4 Larvae; 18; 3; 5; 2; 1; 15; 29; 298; 136		Hafod Quarry R2;SSSI: Stryt Las a'r Hafod; Hafod South; Pond SLH31;Hafod South; Pond SLH34;Hafod South; Pond SLH37;Hafod South; Pond SLH36;Hafod South; Pond SLH32;Hafod South; Pond SLH30;Hafod South;	SLH-37; Torch survey; Torch survey of 7 ponds; Torch survey of 8 ponds	D1117/001/01, D1320/003/01, D1314/006/01	Bern3, WCA5	PC
Lissotriton	SJ307458 *(Selected from Interactive Map)*	14/09/2010	Simon Cope	3 Larvae		Hafod Quarry lagoons	SLH-38 & -39	D1117/001/01	Bern3, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ310463 *(Supplied by Original Recorder (Checked))*	11/05/1999	Jacinta Challinor, Matthew Ellis	15		Johnstown; Dennis of Ruabon - Fire Pool	Torch survey of 1 pond through fence	D0026/036/01	Bern3, WCA5	PC
Lissotriton	SJ308455 *(Supplied by Original Recorder (Checked);Estimated (Centroid of Site))*	4 records, between 11/05/1999 and 23/05/2006	Jacinta Challinor, Matthew Ellis; Anon	48; 40; 109; 106		Johnstown;Wrexham; Hafod Quarry	Torch survey of 12 ponds	D0026/036/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30834630 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	10; 28		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH08;Hafod Mitigation Pools; Pond 8	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30804627 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	100+; 11		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH09;Hafod Mitigation Pools; Pond 9	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30904639 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	1; 9		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH11;Hafod Mitigation Pools; Pond 11	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30944638 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	10; 9		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH02;Hafod Mitigation Pools; Pond 2	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ30924641 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	2; 11		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH03;Hafod Mitigation Pools; Pond 3	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30854638 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	24; 15		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH04;Hafod Mitigation Pools; Pond 4	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30814638 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	28; 7		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH05;Hafod Mitigation Pools; Pond 5	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30814636 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	26; 3		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH06;Hafod Mitigation Pools; Pond 6	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30814633 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	50; 23		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH07;Hafod Mitigation Pools; Pond 7	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ30954641 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	2 records, between 23/04/2003 and 21/04/2005	Philippa Perry, Gael Atkinson; Matthew Ellis, Alan Brown, D. Tomlinson	100+; 1		SSSI: Stryt Las a'r Hafod;Johnstown; Hafod Mitigation Area; Pond SLH01;Hafod Mitigation Pools; Pond 1	Torch survey	D1320/003/01, D0026/279/01	Bern3, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ30724618 *(Estimated (From Recorder's Map))*	21/04/2005	Philippa Perry, Gael Atkinson	5		SSSI: Stryt Las a'r Hafod; Hafod Mitigation Area; Pond SLH12	Torch survey	D1320/003/01	Bern3, WCA5	PC
Lissotriton	SJ306452 *(Supplied by Original Recorder (Checked))*	21/04/2005	David Groom, Jacinta Challinor, Matthew Ellis, Neil Smith	45		SSSI: Stryt Las a'r Hafod; Hafod South	Torch survey of 8 ponds	D1314/004/01	Bern3, WCA5	PC
Lissotriton	SJ30814622 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	47		Johnstown; Hafod Mitigation Pools; Pond 10		D0026/279/01	Bern3, WCA5	PC
Lissotriton	SJ3080546365 *(Selected from Interactive Map)*	40 records, between 02/05/2001 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson;...	4 Female; 33 Age & Sex Unknown; 8 Female; 25 Age & Sex Unknown; 2 Female; 2 Age & Sex Unknown; 4 Age & Sex Unknown; 2 Female; 20 Adult (Sex Unknown); 3 Adult (Sex Unknown); 2 Adult (Sex Unknown); 2...	Torch Count/Pitfall trap; Netted	Johnstown - Hafod R1: Pond 06		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3078546355 *(Selected from Interactive Map)*	21 records, between 15/05/2008 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock; Kate Sur...	2 Female; 2 Age & Sex Unknown; 1 Female; 1 Age & Sex Unknown; 3 Age & Sex Unknown; 2 Age & Sex Unknown; 1 Adult Female; 1 Adult (Sex Unknown); 15 Adult Female; 36 Adult (Sex Unknown); 15 Adult Fema...	Torch Count/Netted	Johnstown - Hafod R1: Pond 06a		D1320/014/01	Bern3, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3081546275 *(Selected from Interactive Map)*	40 records, between 02/05/2001 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Jan Wilkinson; Alan Brown; Dave Tomlinson; Matthew Ellis; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams...	1 Female; 16 Age & Sex Unknown; 7 Female; 18 Age & Sex Unknown; 2 Age & Sex Unknown; 6 Adult (Sex Unknown); 12 Adult (Sex Unknown); 11 Adult (Sex Unknown); 231 Adult (Sex Unknown); 100 Adult (Sex U...	Torch Count/Netted	Johnstown - Hafod R1: Pond 09	No larvae recorded	D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3061545545 *(Selected from Interactive Map)*	30 records, between 02/04/1993 and 13/05/2015	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Tim Goodwin; Lesley Woodford; Dean Skrabania; Matthew Ellis; Paul Day; Simon Cope; Nicola Wheeler; Matthew Ellis; Simon Cope; Nicola Wheeler;...	1 Female; 1 Age & Sex Unknown; 2 Female; 7 Age & Sex Unknown; 1 Female; 2 Age & Sex Unknown; 1 Female; 19 Age & Sex Unknown; 1 Age & Sex Unknown; 1 Female; 12 Age & Sex Unknown; 1 Female; 5 Age & Sex	Torch Count	Johnstown - Hafod R2: Pond 28	Day light survey	D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3061545525 *(Selected from Interactive Map)*	14 records, between 27/03/2012 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis	2 Female; 14 Age & Sex Unknown; 2 Female; 32 Age & Sex Unknown; 6 Adult Female; 12 Adult (Sex Unknown); 3 Female; 7 Age & Sex Unknown; 31 Age & Sex Unknown; 6 Age & Sex Unknown; 12 Age & Sex Unknown;	Torch Count	Johnstown - Hafod R2: Pond 29		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3059545345 *(Selected from Interactive Map)*	48 records, between 25/03/1993 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kylie Jones - Mattock; Kim Norman; Karl Martin; Nicola Wheeler; Simon C...	5 Female; 76 Age & Sex Unknown; 6 Female; 63 Age & Sex Unknown; 4 Age & Sex Unknown; 9 Adult (Sex Unknown); 11 Adult (Sex Unknown); 4 Adult Female; 9 Adult (Sex Unknown); 35 Age & Sex Unknown; 63 Age	Torch Count/Netted	Johnstown - Hafod R2: Pond 30	Day light survey	D1320/014/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3060545355 *(Selected from Interactive Map)*	51 records, between 25/03/1993 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kylie Jones - Mattock; Kim Norman; Karl Martin; Nicola Wheeler; Simon C...	4 Female; 53 Age & Sex Unknown; 10 Female; 96 Age & Sex Unknown; 7 Age & Sex Unknown; 5 Adult (Sex Unknown); 33 Adult (Sex Unknown); 7 Adult Female; 23 Adult (Sex Unknown); 8 Female; 56 Age & Sex U...	Torch Count/Netted	Johnstown - Hafod R2: Pond 31	Includes data for Pond 30; Day light survey	D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3067545395 *(Selected from Interactive Map)*	27 records, between 05/05/1994 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Lesley Woodford; Dean Skrabania; Matthew Ellis;	12 Age & Sex Unknown; 3 Female; 11 Age & Sex Unknown; 5 Age & Sex Unknown; 1 Adult Female; 2 Female; 23 Age & Sex Unknown; 2 Age & Sex Unknown; 3 Female; 9 Age & Sex Unknown; 1 Female; 13 Age & Sex...	Torch Count/Netted	Johnstown - Hafod R2: Pond 32		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3064545415 *(Selected from Interactive Map)*	31 records, between 29/04/1997 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Vanessa Bean; Simon Cope; Nicola Wheeler; Mat...	2 Female; 22 Age & Sex Unknown; 11 Female; 29 Age & Sex Unknown; 6 Age & Sex Unknown; 5 Adult (Sex Unknown); 5 Female; 10 Age & Sex Unknown; 24 Age & Sex Unknown; 2 Female; 5 Age & Sex Unknown; 6 F...	Torch Count/Netted	Johnstown - Hafod R2: Pond 33		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3065545345 *(Selected from Interactive Map)*	46 records, between 25/03/1993 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Ti...	36 Age & Sex Unknown; 20 Female; 58 Age & Sex Unknown; 5 Age & Sex Unknown; 3 Adult Female; 12 Adult (Sex Unknown); 81 Age & Sex Unknown; 1 Female; 23 Age & Sex Unknown; 1 Female; 11 Age & Sex Unkn...	Torch Count/Netted; Bottle trap	Johnstown - Hafod R2: Pond 34	Day Count; Day light survey; Includes results for pond 31	D1320/014/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3065545375 *(Selected from Interactive Map)*	22 records, between 21/04/2005 and 03/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Matthew Ellis; Paul Christie; Kate Surry; Kylie	18 Age & Sex Unknown; 6 Female; 17 Age & Sex Unknown; 4 Age & Sex Unknown; 1 Female; 1 Age & Sex Unknown; 1 Female; 20 Age & Sex Unknown; 5 Female; 11 Adult (Sex Unknown); 2 Female; 30 Age & Sex Un...	Torch Count/Netted	Johnstown - Hafod R2: Pond 36		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3076545885 *(Selected from Interactive Map)*	23 records, between 14/04/2009 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Ky...	29 Age & Sex Unknown; 1 Female; 4 Age & Sex Unknown; 32 Age & Sex Unknown; 2 Adult Female; 4 Adult (Sex Unknown); 3 Adult Female; 10 Adult (Sex Unknown); 1 Adult Female; 10 Adult Female; 67 Adult F...	Torch Count	Johnstown - Hafod Lagoons: Lagoon 3		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3072545865 *(Selected from Interactive Map)*	21 records, between 14/04/2009 and 04/05/2022	Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Ma...	10 Female; 26 Age & Sex Unknown; 28 Age & Sex Unknown; 13 Adult Female; 24 Adult (Sex Unknown); 6 Female; 29 Adult (Sex Unknown); 2 Adult Female; 5 Adult (Sex Unknown); 9 Adult Female; 27 Adult (Se...	Torch Count	Johnstown - Hafod Lagoons: Lagoon 4		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3094546395 *(Selected from Interactive Map)*	33 records, between 02/05/2001 and 04/05/2022	Simon Cope; Nicola Wheeler; Jan Wilkinson; Alan Brown; Dave Tomlinson; Matthew Ellis; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Karl Martin; Ni...	4 Age & Sex Unknown; 2 Female; 10 Age & Sex Unknown; 9 Adult (Sex Unknown); 11 Adult (Sex Unknown); 10; 1 Adult Female; 2 Adult (Sex Unknown); 6 Adult (Sex Unknown); 2 Adult (Sex Unknown); 1 Adult ...	Torch Count/Pitfall trap; Netted	Johnstown - Hafod R1: Pond 02		D1320/014/01	Bern3, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3094546365 *(Selected from Interactive Map)*	3 records, between 27/03/2012 and 30/04/2013	Simon Cope; Nicola Wheeler	3 Female; 3 Age & Sex Unknown; 9 Age & Sex Unknown	Torch Count	Johnstown - Hafod R1: Pond 02a (former site)		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3085846385 *(Selected from Interactive Map)*	38 records, between 02/05/2001 and 11/03/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams...	4 Age & Sex Unknown; 1 Female; 2 Age & Sex Unknown; 2 Age & Sex Unknown; 41 Adult (Sex Unknown); 17 Adult (Sex Unknown); 15 Adult (Sex Unknown); 120 Adult (Sex Unknown); 24 Adult (Sex Unknown); 4 A...	Torch Count/Pitfall trap; Netted	Johnstown - Hafod R1: Pond 04		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3081546395 *(Selected from Interactive Map)*	32 records, between 02/05/2001 and 07/05/2019	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson;...	2 Female; 15 Age & Sex Unknown; 1 Female; 8 Age & Sex Unknown; 1 Age & Sex Unknown; 3 Female; 7 Age & Sex Unknown; 3 Adult (Sex Unknown); 2 Adult (Sex Unknown); 7 Adult (Sex Unknown); 28 Adult (Sex...	Torch Count/Pitfall trap; Netted	Johnstown - Hafod R1: Pond 05		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3078546385 *(Selected from Interactive Map)*	20 records, between 14/04/2011 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis	2 Female; 3 Age & Sex Unknown; 1 Female; 3 Age & Sex Unknown; 5 Age & Sex Unknown; 3 Female; 6 Adult Female; 7 Adult (Sex Unknown); 2 Adult Female; 5 Adult (Sex Unknown); 7 Adult Female; 4 Adult (Sex	Torch Count	Johnstown - Hafod R1: Pond 05a		D1320/014/01	Bern3, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3083546305 *(Selected from Interactive Map)*	34 records, between 02/05/2001 and 04/05/2022	Simon Cope; Nicola Wheeler; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Kylie Jones - M...	1 Female; 1 Female; 7 Age & Sex Unknown; 11 Adult (Sex Unknown); 1 Adult (Sex Unknown); 28 Adult (Sex Unknown); 14 Adult (Sex Unknown); 10 Adult (Sex Unknown); 3 Adult (Sex Unknown); 1 Adult Female...	Torch Count/Netted	Johnstown - Hafod R1: Pond 08	No larvae recorded	D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3081546215 *(Selected from Interactive Map)*	27 records, between 02/05/2001 and 04/05/2022	Simon Cope; Nicola Wheeler; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Nicola Wheeler; Simon Cope; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Ma...	2 Age & Sex Unknown; 2 Adult (Sex Unknown); 8 Adult (Sex Unknown); 47 Adult (Sex Unknown); 3 Adult Female; 2 Adult (Sex Unknown); 4 Adult Female; 3 Adult (Sex Unknown); 1 Adult Female; 1 Adult (Sex...	Torch Count	Johnstown - Hafod R1: Pond 10		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3081946476 *(Selected from Interactive Map)*	34 records, between 13/04/2006 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Kylie Jones - Mattock; Karl Martin; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Rachael ...	29 Adult (Sex Unknown); 19 Adult (Sex Unknown); 31 Adult (Sex Unknown); 4 Adult (Sex Unknown); 16 Adult (Sex Unknown); 32 Adult (Sex Unknown); 21 Adult (Sex Unknown); 21 Adult Female; 15 Adult (Sex...	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH14	Fish; 3 big fish spotted - previously fish free	D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3079246468 *(Selected from Interactive Map)*	24 records, between 04/05/2006 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Karl Martin; Kylie Jones - Mattock; Karl Martin; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Rachael Davis; Alasdair Thomson; Ally Whitley; Kyli...	9 Adult (Sex Unknown); 1 Adult Female; 3 Adult (Sex Unknown); 18 Adult (Sex Unknown); 16 Adult (Sex Unknown); 22 Adult (Sex Unknown); 25 Adult (Sex Unknown); 1 Adult (Sex Unknown); 31 Adult (Sex Un...	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH13	2 large eels 60cm +; Lots of fish; Fish pond	D1320/014/01	Bern3, WCA5	NA, PC

- PUBLIC VERSION -

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3077746606 *(Selected from Interactive Map)*	12 records, between 13/04/2010 and 20/04/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Ally Whitley; Alasdair Thomson; Lindsy Bryan; Kim Norman; Alasdair Thomson; Steve R; Alasdair	2 Adult (Sex Unknown); 6 Adult (Sex Unknown); 3 Adult (Sex Unknown); 4 Adult (Sex Unknown); 1 Adult (Sex Unknown); 5 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH18	Fish	D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3077446631 *(Selected from Interactive Map)*	22 records, between 13/04/2010 and 04/05/2022	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Rachael Davis; Alasdair Thomson; Rachael Dav...	5 Adult (Sex Unknown); 2 Adult (Sex Unknown); 7 Adult (Sex Unknown); 16 Adult (Sex Unknown); 8 Adult (Sex Unknown); 4 Adult (Sex Unknown); 6 Adult (Sex Unknown); 1 Adult (Sex Unknown); 15 Adult (Se...	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH19	Stickleback	D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3117546483 *(Selected from Interactive Map)*	32 records, between 06/05/2008 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Rachael Davis; Alasdair Thomson; Ally Whitley;	1 Adult (Sex Unknown); 8 Adult (Sex Unknown); 6 Adult (Sex Unknown); 5 Adult (Sex Unknown); 24 Adult (Sex Unknown); 20 Adult (Sex Unknown); 16 Adult (Sex Unknown); 18 Adult (Sex Unknown); 23 Adult ...	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH17		D1320/014/01	Bern3, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3116646487 *(Selected from Interactive Map)*	38 records, between 04/05/2006 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Jamie Thomson; Alasdair Thomson; Rachael Davis; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thoms...	2 Adult (Sex Unknown); 20 Adult (Sex Unknown); 8 Adult (Sex Unknown); 14 Adult (Sex Unknown); 15 Adult (Sex Unknown); 24 Adult (Sex Unknown); 11 Adult (Sex Unknown); 22 Adult (Sex Unknown); 7 Adult...	Torch Count/Netted	Johnstown - Bonc y Hafod Country Park: SLH16		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3117246834 *(Selected from Interactive Map)*	20 records, between 27/04/2010 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Rachael Davis; Alasdair Thomson; Rachael Dav...	6 Adult (Sex Unknown); 2 Adult (Sex Unknown); 1 Adult (Sex Unknown); 5 Adult (Sex Unknown); 7 Adult (Sex Unknown); 10 Adult (Sex Unknown); 19 Adult (Sex Unknown); 3 Adult (Sex Unknown); 29 Adult (Sex	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH23		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3077546365 *(Selected from Interactive Map)*	8 records, between 09/04/2013 and 13/05/2015	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Simon Cope; Nicola Wheeler; Matthew Ellis	4 Age & Sex Unknown; 3 Female; 1 Age & Sex Unknown; 10 Age & Sex Unknown; 2 Age & Sex Unknown; 6 Female; 7 Age & Sex Unknown; 8 Female; 2 Adult (Sex Unknown); 5 Female; 9 Age & Sex Unknown; 1 Female;	Torch Count	Johnstown - Hafod R1: Pond 05b		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3096546415 *(Selected from Interactive Map)*	20 records, between 10/05/2001 and 10/04/2018	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhy...	1 Female; 3 Age & Sex Unknown; 2 Female; 7 Age & Sex Unknown; 31 Adult (Sex Unknown); 1 Adult (Sex Unknown); 50 Adult (Sex Unknown); 100 Adult (Sex Unknown); 60 Adult (Sex Unknown); 14 Adult (Sex U...	Torch Count/Netted	Johnstown - Hafod R1: Pond 01		D1320/014/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3089546405 *(Selected from Interactive Map)*	21 records, between 23/04/2003 and 04/05/2022	Nicola Wheeler; Simon Cope; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Matthew Ellis; Simon Cope; Mat...	10 Age & Sex Unknown; 9 Adult (Sex Unknown); 3 Adult (Sex Unknown); 1 Adult (Sex Unknown); 1 Adult Female; 2 Adult (Sex Unknown); 4 Adult (Sex Unknown); 3 Female; 1 Age & Sex Unknown; 23 Adult (Sex...	Torch Count	Johnstown - Hafod R1: Pond 11	Seen in ditch	D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3081546335 *(Selected from Interactive Map)*	13 records, between 02/05/2001 and 10/04/2018	Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Kylie Jones - Mattock; Karl Martin; Kylie J...	5 Adult (Sex Unknown); 3 Adult (Sex Unknown); 23 Adult (Sex Unknown); 50 Adult (Sex Unknown); 73 Adult (Sex Unknown); 117 Adult (Sex Unknown); 109 Adult (Sex Unknown); 17 Adult (Sex Unknown); 1 Adult	Torch Count/Pitfall trap; Netted	Johnstown - Hafod R1: Pond 07 (former site)	No larvae recorded	D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3093546415 *(Selected from Interactive Map)*	20 records, between 02/05/2001 and 09/04/2019	Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Karl Martin; Matthew McInytre; Kylie Jones ...	9 Adult (Sex Unknown); 11 Adult (Sex Unknown); 19 Adult (Sex Unknown); 2 Adult (Sex Unknown); 26 Adult (Sex Unknown); 1 Adult Female; 1 Adult (Sex Unknown); 1 Adult (Sex Unknown); 55 Adult (Sex Unk...	Torch Count/Pitfall trap	Johnstown - Hafod R1: Pond 03 (former site)		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3072546181 *(Selected from Interactive Map)*	36 records, between 20/04/2004 and 06/04/2023	Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Pip Perry; Rhys Williams; Kylie Jones - Mattock; Karl Martin; Kim Norman; Leah Williams; Kate Wilson; Kylie Jones - Mattock; Karl	32 Adult (Sex Unknown); 5 Adult (Sex Unknown); 26 Adult (Sex Unknown); 70 Adult Female; 9 Adult (Sex Unknown); 37 Adult Female; 1 Adult (Sex Unknown); 33 Adult Female; 41 Adult Female; 74 Adult Fem...	Torch Count	Johnstown - Aberderfyn: SLH12		D1320/014/01	Bern3, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3105846425 *(Selected from Interactive Map)*	2 records, between 10/05/2007 and 13/04/2010	Matthew McInytre; Paul Christie; Kylie Jones - Mattock; Alasdair Thomson; Kia Thomas; Steve R; Anon	23 Adult (Sex Unknown); 7 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH15		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3078646218 *(Selected from Interactive Map)*	16 records, between 10/04/2008 and 06/06/2019	Kylie Jones - Mattock; Karl Martin; Kylie Jones - Mattock; Remani Jones; Rachel Price; Kim Norman; Leah Williams; Kate Wilson; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kylie Jones - Mattock;	5 Adult (Sex Unknown); 9 Adult Female; 1 Adult (Sex Unknown); 17 Adult Female; 2 Adult Male; 2 Adult Female; 7 Adult Female; 3 Adult Female; 4 Adult Female; 8 Adult (Sex Unknown); 5 Adult Female; 1...	Torch Count	Johnstown - Aberderfyn: SLH12a		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3078846181 *(Selected from Interactive Map)*	19 records, between 10/04/2008 and 06/06/2019	Kylie Jones - Mattock; Karl Martin; Kylie Jones - Mattock; Remani Jones; Rachel Price; Karl Martin; Kim Norman; Kim Norman; Leah Williams; Kate Wilson; Kylie Jones - Mattock; Karl Martin; Remani Jo...	1 Adult (Sex Unknown); 2 Adult Female; 1 Adult (Sex Unknown); 27 Adult Female; 2 Adult (Sex Unknown); 1 Adult Female; 1 Adult (Sex Unknown); 11 Adult Female; 12 Adult Female; 15 Adult Female; 7 Fem...	Torch Count	Johnstown - Aberderfyn: SLH12b		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3039645592 *(Selected from Interactive Map)*	20 records, between 05/04/2011 and 18/04/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Lucie Bernardova; Karl Martin; Karl Martin; Remani Jones; Julie Rose; Karl Martin; Julie Rose; James Crawford; K...	26 Adult Female; Egg; 21 Adult Female; 10 Adult (Sex Unknown); 11 Adult Female; 22 Adult Female; 2 Adult (Sex Unknown); 15 Adult Female; 2 Adult (Sex Unknown); 12 Adult Female; 3 Adult Female; 5 A...	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC Ditch		D1320/014/01	Bern3, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3055545659 *(Selected from Interactive Map)*	19 records, between 01/05/2012 and 04/05/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Paul Furnborough; Stephen Smith; Karl Martin; Remani Jones; Karl Martin; Julie Rose; Karl Martin; Paul Furnborou...	37 Adult Female; 18 Adult Female; 4 Adult (Sex Unknown); 9 Adult Female; 1 Adult Male; 51 Adult Female; 12 Age & Sex Unknown; 3 Larva/Tadpole; 5 Adult Female; 5 Adult Female; 5 Adult (Sex Unknown);...	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC01		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3041245556 *(Selected from Interactive Map)*	24 records, between 05/04/2011 and 04/05/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Paul Furnborough; Stephen Smith; Lucie Bernardova; Karl Martin; Karl Martin; Karl Martin; Remani Jones; Karl Mar...	64 Adult Female; 35 Adult Female; 27 Adult (Sex Unknown); 27 Adult Female; 1 Adult (Sex Unknown); 2 Adult Male; 9 Adult Female; Present Egg; 8 Adult (Sex Unknown); 33 Adult Female; 2 Adult (Sex Unk...	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC02		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ30764628 *(Supplied by Original Recorder)*	3 records, between 04/05/2022 and 04/05/2023	Kate Wilson; Naomi Chapple-Parry; Naomi Chapple-Parry; Geraint Hughes; Kim Norman; Ian Moran; Naomi Chapple-Parry	1 Adult Female; 7 Adult Female; 3 Age & Sex Unknown; 13 Adult Female; 1 Adult (Sex Unknown)	Torch Count	Johnstown - Aberderfyn: SLH12f		D1320/014/01	Bern3, WCA5	PC
Lissotriton	SJ30754608 *(Supplied by Original Recorder)*	2 records, between 06/04/2022 and 04/05/2022	Kate Wilson; Naomi Chapple-Parry	3 Adult Female; 2 Adult Female	Torch Count	Johnstown - Aberderfyn: Culvert		D1320/014/01	Bern3, WCA5	PC
Lissotriton	SJ30924635 *(Supplied by Original Recorder)*	2 records, between 11/03/2022 and 04/05/2022	Simon Cope; Nicola Wheeler; Matthew Ellis	2 Adult Female; 5 Adult (Sex Unknown); 3 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 11a		D1320/014/01	Bern3, WCA5	PC
Lissotriton	SJ307459 *(Selected from Interactive Map)*	9 records, between 05/05/1994 and 23/05/2006	Matthew Ellis; Paul Day; Dean Skrabania; Lesley Woodford; Jan Wilkinson; Matthew Ellis; Vanessa Bean; Matthew Ellis; Kim Norman; David Groom; David Groom	257 Adult (Sex Unknown); 1 Adult Female; 47 Adult (Sex Unknown); 3 Adult Male; 15 Adult Female; 83 Adult (Sex Unknown); 156 Adult (Sex Unknown); 106 Adult (Sex Unknown); 96 Adult (Sex Unknown); 109...	Torch Count	Johnstown - Hafod: General	Hafod R1; Hafod R2	D1320/014/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3076046160 *(Selected from Interactive Map)*	16 records, between 14/04/2009 and 05/05/2021	Kylie Jones - Mattock; Remani Jones; Rachel Price; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kim Norman; Remani Jones; Julie Rose; Kate Wil...	1 Adult (Sex Unknown); 24 Adult Female; 7 Adult Female; 3 Adult Female; 7 Female; 4 Adult Female; 10 Female; 25 Age & Sex Unknown; 1 Adult Female; 2 Adult Female; 5 Adult Female	Torch Count; Terrestrial disturbance	Johnstown - Aberderfyn: SLH12c		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3072546099 *(Selected from Interactive Map)*	20 records, between 18/04/2013 and 04/05/2023	Kim Norman; Leah Williams; Kate Wilson; Remani Jones; Kim Norman; Remani Jones; Julie Rose; Kate Wilson; Ian Moran; Paul Furnborough; Paul Furnborough; Paul Furnborough; Emma Ellis; Kate Wilson; Na...	21 Adult Female; 1 Adult (Sex Unknown); 17 Adult Female; 5 Adult (Sex Unknown); 31 Adult Female; 5 Female; 2 Adult (Sex Unknown); 4 Adult Female; 5 Adult (Sex Unknown); 16 Female; 3 Age & Sex Unkno...	Torch Count; Terrestrial disturbance	Johnstown - Aberderfyn: SLH12e		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3076046127 *(Selected from Interactive Map)*	20 records, between 30/04/2009 and 04/05/2023	Kate Surry; Rachel Jarvis; Remani Jones; Julie Rose; Kate Wilson; Ian Moran; Paul Furnborough; Ian Moran; Paul Furnborough; Emma Ellis; Kate Surry; Kylie Jones - Mattock; Remani Jones; Paul Furnbor...	3 Adult Female; 18 Adult Female; 18 Female; 2 Adult (Sex Unknown); 1 Egg; 13 Adult Female; 15 Female; 3 Age & Sex Unknown; 1 Adult (Sex Unknown); 23 Adult Female; 4 Adult Female; 15 Adult Female; 3...	Torch Count	Johnstown - Aberderfyn: SLH12d		D1320/014/01	Bern3, WCA5	NA, PC
Lissotriton	SJ3085046392 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Tadpole/Larvae/Eft		Pond SLH4 - Hafod Mitigation Ponds	T. vulgaris & T. helveticus	D1045/001/01	Bern3, WCA5	NA
Lissotriton	SJ3093946423 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Tadpole/Larvae/Eft		Pond SLH3 - Hafod Mitigation Ponds	T. helveticus & T. vulgaris	D1045/001/01	Bern3, WCA5	NA
Lissotriton	SJ3096146404 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Tadpole/Larvae/Eft		Pond SLH1 - Hafod Mitigation Ponds	T. helveticus & T. vulgaris	D1045/001/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ30824625 *(Supplied by Original Recorder)*	11/05/2011	Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day	1 Age & Sex Unknown	Torch Count	Johnstown - Hafod R1: Pond 10a (former site)		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ30674529 *(Supplied by Original Recorder)*	2 records, between 04/08/2008 and 14/04/2011	Kylie Jones - Mattock; Simon Cope; Nicola Wheeler	Larva/Tadpole; 2 Age & Sex Unknown	Torch Count/Netted	Johnstown - Hafod R2: Pond 37 (former site)		D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ30824623 *(Supplied by Original Recorder)*	04/08/2008	Kylie Jones - Mattock	Larva/Tadpole	Netted	Johnstown - Hafod R1: Pond 10b (former site)	No larvae recorded	D1320/014/01	Bern3, WCA5	NA
Lissotriton	SJ3080746339	23/04/2003	Recorder Name Withheld	7 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA
Lissotriton	SJ3080946204	23/04/2003	Recorder Name Withheld	9 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3081646395	23/04/2003	Recorder Name Withheld	28 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA
Lissotriton	SJ3083246304	23/04/2003	Recorder Name Withheld	15 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA
Lissotriton	SJ3085746388	23/04/2003	Recorder Name Withheld	11 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA
Lissotriton	SJ3090546398	23/04/2003	Recorder Name Withheld	47 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ3094146392	23/04/2003	Recorder Name Withheld	9 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA
Lissotriton	SJ30684607 *(Selected from Interactive Map)*	04/10/2019	Kate Wilson	3 Adult		Aberderfyn	Rescued from culvert during flood alleviation work surveys.	D1531/001/01	Bern3, WCA5	PC
Lissotriton	SJ30694607 *(Selected from Interactive Map)*	09/10/2019	Kate Wilson	1 Adult; 1 Sub-adult		Aberderfyn	Rescued from a shaft in the culvert during flood alleviation works	D1531/001/01	Bern3, WCA5	PC
Lissotriton	SJ3080146290	23/04/2003	Recorder Name Withheld	11 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA
Lissotriton	SJ3080246372	23/04/2003	Recorder Name Withheld	23 adult		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Recorded as Lissotriton helveticus/vulgaris . Source: Old ARC database	D1737/003/01	Bern3, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton	SJ307460 *(Selected from Interactive Map)*	04/05/2022	Kate Wilson; Naomi Chapple-Parry	1 Adult Female		Aberderfryn	Recorded in a puddle during GCN survey.	D1531/001/01	Bern3, WCA5	PC
Lissotriton	SJ307461 *(Estimated (Centroid of Site))*	06/04/2022	Kate Wilson; Naomi Chapple-Parry	7 Adult Female		Aberderfryn	Recorded in puddles during GCN survey	D1531/001/01	Bern3, WCA5	PC
Lissotriton	SJ30734611 *(Selected from Interactive Map)*	04/05/2023	Naomi Chapple-Parry; Ian Moran	1 Adult Female	Live Sighting/Torch Count	Aberderfryn	Terrestrial record, on path between ponds 12d and 12e	D1531/001/01	Bern3, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ308455 *(Supplied by Original Recorder (Checked);Estimated (Centroid of Site))*	3 records, between 05/03/1999 and 13/04/2006	Anon; Jacinta Challinor, Matthew Ellis	3; 14; 18 ; 5 Male		Johnstown;Wrexham; Hafod Quarry	Torch survey of 2 ponds; Torch survey of 12 ponds	D0026/036/01, D0026/279/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ306453 *(Estimated (From Recorder's Map);Estimated (Centroid of Site))*	4 records, between 21/04/2005 and 23/05/2007	Matthew Ellis, N. Smith, David Groom, Jacinta Challinor; Anon	2 Male; 7; 8		SSSI: Stryt Las a'r Hafod; Hafod South; Pond SLH34;Hafod South; Pond SLH31;Hafod R2 Quarry	Torch survey; Torch survey of 8 ponds	D1320/003/01, D1314/006/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30724618 *(Estimated (From Recorder's Map))*	21/04/2005	Philippa Perry, Gael Atkinson	18 ; 1 Male; 23 Female		SSSI: Stryt Las a'r Hafod; Hafod Mitigation Area; Pond SLH12	Torch survey	D1320/003/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30814622 *(Estimated (From Recorder's Map))*	21/04/2005	Philippa Perry, Gael Atkinson	4 Male; 1 Female		SSSI: Stryt Las a'r Hafod; Hafod Mitigation Area; Pond SLH10	Torch survey	D1320/003/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ308463 *(Supplied by Original Recorder (Checked);Estimated (Centroid of Site))*	3 records, between 14/05/2003 and 13/04/2006	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry; Anon	5; 47; 3 Male		SSSI: Stryt Las a'r Hafod;Wrexham; Hafod Mitigation Area	Torch survey of 11 ponds; Torch survey of 12 ponds	D1314/002/01, D1314/004/01, D0026/279/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ306452 *(Supplied by Original Recorder (Checked))*	21/04/2005	David Groom, Jacinta Challinor, Matthew Ellis, Neil Smith	5		SSSI: Stryt Las a'r Hafod; Hafod South	Torch survey of 8 ponds	D1314/004/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ308462 *(Estimated (Centroid of Site))*	3 records, between 17/04/2007 and 23/05/2007	Anon - CCW; Anon	3; 12		SSSI: Stryt Las a'r Hafod; Hafod R1 Mitigation Site	Torch survey of 11 ponds	D1314/006/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30904639 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	1 Male		Johnstown; Hafod Mitigation Pools; Pond 11		D0026/279/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30814633 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	Male		Johnstown; Hafod Mitigation Pools; Pond 7		D0026/279/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30924641 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	2 Male		Johnstown; Hafod Mitigation Pools; Pond 3		D0026/279/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30854638 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	2 Male		Johnstown; Hafod Mitigation Pools; Pond 4		D0026/279/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3080546365 *(Selected from Interactive Map)*	12 records, between 14/04/2009 and 07/05/2019	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock; Kate Sur...	1 Male; 3 Male; 2 Male; 1 Female; 1 Adult Male; 4 Adult Male; 2 Adult Male; 1 Adult Male; 1 Adult Female; 3 Adult Male; 5 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 06		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3081546275 *(Selected from Interactive Map)*	13 records, between 20/04/2004 and 09/04/2019	Simon Cope; Nicola Wheeler; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis...	1 Male; 2 Male; 1 Female; 3 Age & Sex Unknown; 2 Adult Male; 3 Adult Male; 1 Adult Female; 1 Adult Male; 3 Male; 1 Female; 4 Male; 3 Adult Male; 7 Adult Female; 1 Adult (Sex Unknown); 15 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 09		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3061545525 *(Selected from Interactive Map)*	10 records, between 23/04/1997 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Vanessa Bean	2 Male; 1 Adult Male; 1 Male; 2 Adult (Sex Unknown); 8 Adult Male; 2 Adult Female; 1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R2: Pond 29		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3059545345 *(Selected from Interactive Map)*	16 records, between 06/05/2008 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Kylie Jones - Mattock; Remani Jones; Kate Surry; Kylie Jones - Mattock; Remani Jones; Rachel Price...	5 Male; 8 Age & Sex Unknown; 1 Adult (Sex Unknown); 1 Male; 4 Male; 5 Adult Male; 4 Adult Male; 2 Male; 7 Male; 3 Adult Male; 7 Adult Male; 7 Adult Female; 1 Adult Male; 2 Adult Male	Torch Count/Bottle trap	Johnstown - Hafod R2: Pond 30		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3060545355 *(Selected from Interactive Map)*	21 records, between 08/06/1993 and 03/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Lesley Woodford; Dean Skrabania; Matthew Ellis; Paul Day; Vanessa Bean; Kylie Jones - Mattock; Remani Jones; Kate Surry; Kylie Jones - Mattock;	3 Male; 2 Male; 6 Male; 4 Female; 9 Age & Sex Unknown; 1 Male; 9 Adult (Sex Unknown); 10 Adult Male; 2 Adult Female; 2 Adult (Sex Unknown); 2 Adult Male; 3 Adult Female; 11 Adult Male; 1 Adult Male...	Torch Count/Netted	Johnstown - Hafod R2: Pond 31	Includes results for pond 30	D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3065545345 *(Selected from Interactive Map)*	14 records, between 21/04/2005 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis; Kylie Jones - Mattock; Remani Jones; Kate Surry; Kylie ...	4 Male; 1 Male; 1 Female; 1 Adult Female; 18 Adult Male; 2 Adult Male; 3 Female; 1 Age & Sex Unknown; 5 Adult Male; 1 Adult Male; 4 Adult Male	Torch Count/Bottle trap	Johnstown - Hafod R2: Pond 34		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3076545885 *(Selected from Interactive Map)*	10 records, between 30/04/2009 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Kylie Jones - Mattock; Remani Jones; Kate Surry; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day	4 Male; 13 Male; 13 Female; 12 Age & Sex Unknown; 2 Adult Male; 4 Adult Male; 1 Adult Male; 1 Male; 3 Male; 5 Male; 3 Male; 1 Age & Sex Unknown	Torch Count	Johnstown - Hafod Lagoons: Lagoon 3		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3081546215 *(Selected from Interactive Map)*	8 records, between 21/04/2005 and 07/05/2019	Simon Cope; Nicola Wheeler; Rhys Williams; Pip Perry; Matthew Ellis; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis	1 Male; 4 Adult Male; 1 Adult Female; 1 Adult Male; 2 Adult Female; 2 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 10		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3064545415 *(Selected from Interactive Map)*	15 records, between 08/06/1993 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Vanessa Bean; Lesley Woodford; Dean Skrabania; Matthew Ellis; Paul Day; Kylie Jones - Mattock; Rem...	1 Male; 2 Adult Male; 2 Male; 10 Adult Male; 2 Adult Male; 2 Adult (Sex Unknown); 1 Adult (Sex Unknown); 1 Male; 1 Age & Sex Unknown; 9 Adult (Sex Unknown); 5 Adult Male; 1 Adult Female; 1 Adult Ma...	Torch Count	Johnstown - Hafod R2: Pond 33	Includes results for pond 31	D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3065545375 *(Selected from Interactive Map)*	2 records, between 08/05/2012 and 13/05/2015	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Matthew Ellis	4 Male; 1 Male	Torch Count	Johnstown - Hafod R2: Pond 36		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3083546305 *(Selected from Interactive Map)*	8 records, between 10/04/2008 and 11/03/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Kylie Jones - Mattock; Karl Martin; Matthew Ellis; Kylie Jones; Kim Norman	1 Male; 1 Adult Male; 2 Adult Male; 6 Adult Male; 3 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 08		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3096546415 *(Selected from Interactive Map)*	8 records, between 20/04/2004 and 25/05/2011	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Karl Martin; Kylie Jones - Mattock; Remani Jon...	1 Male; 3 Female; 4 Age & Sex Unknown; 5 Male; 3 Female; 2 Adult Male; 1 Adult Male; 2 Adult Female; 4 Adult Male; 1 Adult Male; 9 Adult Male; 6 Adult Female; 8 Male	Torch Count	Johnstown - Hafod R1: Pond 01		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3093546415 *(Selected from Interactive Map)*	5 records, between 23/04/2003 and 11/05/2011	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Alan Brown; Dave Tomlinson; Karl Martin; Matthew McInytre; Kylie Jones - Mattock; Paul Christie; Matt...	1 Male; 1 Age & Sex Unknown; 2 Male; 2 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 03 (former site)		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3085846385 *(Selected from Interactive Map)*	8 records, between 23/04/2003 and 11/03/2022	Nicola Wheeler; Simon Cope; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Simon Cope; Nicola Wheeler; Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis; Kylie Jones - Matto...	1 Male; 1 Female; 2 Adult Male; 1 Adult Male; 1 Male; 1 Adult Male; 1 Adult Female	Torch Count	Johnstown - Hafod R1: Pond 04		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3081546395 *(Selected from Interactive Map)*	8 records, between 15/05/2008 and 09/04/2019	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Simon Cope; Nicola Wheeler; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock...	2 Male; 2 Adult Male; 1 Male; 1 Adult Male; 1 Adult (Sex Unknown); 1 Adult Male; 4 Adult Male; 3 Adult Male; 1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 05		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3077546365 *(Selected from Interactive Map)*	2 records, between 14/04/2011 and 28/04/2015	Simon Cope; Nicola Wheeler	1 Male; 4 Age & Sex Unknown; 1 Male	Torch Count	Johnstown - Hafod R1: Pond 05b		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3078546355 *(Selected from Interactive Map)*	6 records, between 14/04/2011 and 11/03/2022	Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler	3 Male; 2 Female; 4 Age & Sex Unknown; 4 Adult Male; 1 Adult Male; 2 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 06a		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3081546335 *(Selected from Interactive Map)*	4 records, between 23/04/2003 and 14/04/2011	Nicola Wheeler; Simon Cope; Matthew Ellis; Alan Brown; Dave Tomlinson; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Karl Martin; Kylie Jones - Mattock	1 Age & Sex Unknown; 1 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 07 (former site)		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3072545865 *(Selected from Interactive Map)*	10 records, between 14/04/2009 and 20/04/2022	Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Ky...	3 Male; 6 Female; 3 Age & Sex Unknown; 3 Adult Male; 1 Adult Male; 1 Male; 2 Male; 4 Adult Male	Torch Count	Johnstown - Hafod Lagoons: Lagoon 4		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3089546405 *(Selected from Interactive Map)*	2 records, between 23/04/2003 and 13/05/2015	Matthew Ellis; Alan Brown; Dave Tomlinson; Simon Cope; Nicola Wheeler; Matthew Ellis	1 Adult Male; 1 Male	Torch Count	Johnstown - Hafod R1: Pond 11		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3072546181 *(Selected from Interactive Map)*	16 records, between 21/04/2005 and 04/05/2022	Pip Perry; Rhys Williams; Kate Surry; Rachel Jarvis; Paul Furnborough; Ian Moran; Paul Furnborough; Emma Ellis; Kate Wilson; Naomi Chapple-Parry; Kylie Jones - Mattock; Kylie Jones - Mattock; Reman...	1 Adult Male; 23 Adult Female; 18 Adult (Sex Unknown); 1 Adult Male; 2 Male; 1 Male; 9 Male; 7 Male; 3 Adult Female; 2 Adult Male; 3 Adult Male; 9 Adult Male; 2 Adult Female; 15 Adult (Sex Unknown)...	Torch Count	Johnstown - Aberderfyn: SLH12		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC

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Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3081946476 *(Selected from Interactive Map)*	23/05/2007	Karl Martin	1 Adult Female	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH14		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3105846425 *(Selected from Interactive Map)*	10/05/2007	Matthew McInytre; Paul Christie; Kylie Jones - Mattock	6 Adult Male	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH15		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3055545659 *(Selected from Interactive Map)*	17 records, between 05/04/2011 and 04/05/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Lucie Bernardova; Karl Martin; James Crawford; Julie Rose; Karl Martin; Paul Furnborough; Paul Furnborough; Ian ...	7 Adult Male; 1 Adult Male; 1 Adult Male; 1 Adult Female; 1 Adult Female; 1 Adult Male; 24 Adult (Sex Unknown); 2 Adult Male; 16 Male; 6 Adult Male; 17 Male; 11 Adult Male; 1 Male; 5 Adult Male; 13...	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC01		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3041245556 *(Selected from Interactive Map)*	17 records, between 05/04/2011 and 04/05/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Paul Furnborough; Stephen Smith; Lucie Bernardova; Karl Martin; Karl Martin; Karl Martin; Remani Jones; Karl Mar...	20 Adult Male; 29 Adult Male; 22 Adult Male; 2 Adult Male; 25 Adult Male; 6 Adult Male; 1 Adult Female; 24 Adult Male; 5 Adult Male; 1 Adult Male; 27 Male; 19 Adult Male; 4 Adult Male; 21 Adult Male;	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC02		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3039645592 *(Selected from Interactive Map)*	16 records, between 05/04/2011 and 18/04/2023	Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Lucie Bernardova; Karl Martin; Karl Martin; Remani Jones; James Crawford; Julie Rose; Karl Martin; Paul Furnborough; Karl Martin; Leah Willi...	28 Adult Male; 19 Adult Male; 20 Adult Male; 1 Adult Female; 34 Adult Male; 2 Adult Female; 5 Adult Male; 8 Adult Male; 15 Adult Male; 24 Adult Male; 18 Adult Male; 13 Male; 10 Adult Male; 8 Male; ...	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC Ditch		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3094546395 *(Selected from Interactive Map)*	5 records, between 10/05/2007 and 17/05/2017	Nicola Wheeler; Simon Cope; Matthew Ellis; Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock; Paul Christie; Matthew McInytre; Nicola Wheeler; Simon Cope; Kylie ...	3 Adult Male; 2 Adult Male; 6 Adult Male; 11 Female; 11 Age & Sex Unknown; 5 Adult Male; 8 Adult Female	Torch Count	Johnstown - Hafod R1: Pond 02		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3078546385 *(Selected from Interactive Map)*	4 records, between 27/03/2012 and 11/03/2022	Simon Cope; Nicola Wheeler	4 Adult Male; 2 Male; 2 Adult Male; 1 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 05a		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC, NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30924635 *(Supplied by Original Recorder)*	11/03/2022	Simon Cope; Nicola Wheeler	1 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 11a		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3094546365 *(Selected from Interactive Map)*	2 records, between 27/03/2012 and 30/04/2013	Simon Cope; Nicola Wheeler	1 Male	Torch Count	Johnstown - Hafod R1: Pond 02a (former site)		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3067545395 *(Selected from Interactive Map)*	10 records, between 05/05/1994 and 13/04/2017	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Dean Skrabania; Lesley Woodford; Matthew Ellis; Paul Day; Kylie Jones - Mattock; Remani ...	4 Male; 1 Male; 3 Male; 2 Male; 3 Adult Male; 3 Adult Female; 1 Adult (Sex Unknown); 4 Adult Male; 5 Female; 1 Adult Male; 1 Adult Female; 1 Adult Male	Torch Count/Bottle trap	Johnstown - Hafod R2: Pond 32		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3061545545 *(Selected from Interactive Map)*	5 records, between 08/06/1993 and 13/05/2014	Simon Cope; Nicola Wheeler; Lesley Woodford; Dean Skrabania; Matthew Ellis; Paul Day; Simon Cope; Nicola Wheeler; Matthew Ellis; Kim Norman; Paul Day	1 Male; 1 Adult (Sex Unknown); 4 Adult Male; 3 Adult Female; 2 Male	Torch Count	Johnstown - Hafod R2: Pond 28		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ307459 *(Selected from Interactive Map)*	8 records, between 08/06/1993 and 13/04/2006	Matthew Ellis; Paul Day; Dean Skrabania; Lesley Woodford; Dean Skrabania; Lesley Woodford; Jan Wilkinson; Matthew Ellis; Jan Wilkinson; Vanessa Bean; Matthew Ellis; Kim Norman; David Groom; David G...	130 Adult (Sex Unknown); 71 Adult Male; 26 Adult Female; 8 Adult (Sex Unknown); 45 Adult (Sex Unknown); 10 Adult Male; 3 Adult Female; 1 Adult (Sex Unknown); 3 Adult (Sex Unknown); 30 Adult Male; 8...	Torch Count	Johnstown - Hafod: General	Hafod R1; Hafod R2	D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3116646487 *(Selected from Interactive Map)*	14/04/2009	Kylie Jones - Mattock; Remani Jones; Rachel Jarvis	2 Adult Female	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH16		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3077446631 *(Selected from Interactive Map)*	14/04/2009	Kylie Jones - Mattock; Remani Jones; Rachel Jarvis	1 Adult Male	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH19		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3078646218 *(Selected from Interactive Map)*	8 records, between 06/05/2008 and 06/06/2019	Kim Norman; Leah Williams; Kate Wilson; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kim Norman; Kylie Jones - Mattock; Remani Jones; Kate Surry; Kylie Jones - Mattock; Remani Jones; Rachel Pr...	1 Adult Male; 2 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12a		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3078846181 *(Selected from Interactive Map)*	9 records, between 30/04/2009 and 06/06/2019	Kylie Jones - Mattock; Karl Martin; Remani Jones; Karl Martin; Kim Norman; Kylie Jones - Mattock; Remani Jones; Kate Surry; Rachel Jarvis; Kylie Jones - Mattock; Remani Jones; Kate Surry; Paul Furn...	1 Adult Male; 2 Adult Male; 2 Adult Male; 1 Adult Female	Torch Count	Johnstown - Aberderfyn: SLH12b		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3072546099 *(Selected from Interactive Map)*	10 records, between 23/05/2013 and 04/05/2023	Remani Jones; Julie Rose; Kate Wilson; Ian Moran; Paul Furnborough; Paul Furnborough; Paul Furnborough; Emma Ellis; Kate Wilson; Naomi Chapple-Parry; Paul Furnborough; Kiani Perera; Keely Bigland; ...	2 Adult Male; 1 Male; 1 Adult Male; 3; 3 Adult Male; 4 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12e		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3076046160 *(Selected from Interactive Map)*	3 records, between 10/04/2018 and 05/05/2021	Ian Moran; Paul Furnborough; Paul Furnborough; Emma Ellis; Ian Moran	1 Male; 5 Male; 1 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12c		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3076046127 *(Selected from Interactive Map)*	8 records, between 12/04/2017 and 04/05/2023	Ian Moran; Paul Furnborough; Ian Moran; Paul Furnborough; Emma Ellis; Paul Furnborough; Tom Hough; Paul Furnborough; Tom Hough; Charlie Philp; Naomi Chapple-Parry; Geraint Hughes; Kim Norman; Naomi...	5 Male; 5 Adult Male; 2 Male; 2 Adult Male; 1 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12d		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30674529 *(Supplied by Original Recorder)*	2 records, between 14/04/2011 and 11/05/2011	Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Simon Cope; Nicola Wheeler	6 Male; 5 Age & Sex Unknown; 1 Male; 1 Female	Torch Count	Johnstown - Hafod R2: Pond 37 (former site)		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30824625 *(Supplied by Original Recorder)*	14/04/2011	Simon Cope; Nicola Wheeler	1 Female; 3 Age & Sex Unknown	Torch Count	Johnstown - Hafod R1: Pond 10a (former site)		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3079246468 *(Selected from Interactive Map)*	04/05/2006	David Groom; Matthew Ellis	5 Adult Male; 2 Adult Female	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH13		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3080146290	23/04/2003	Recorder Name Withheld	2 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ3094146392	23/04/2003	Recorder Name Withheld	1 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton helveticus (Palmate Newt / Madfall Ddwr Balfog)	SJ30764628 *(Supplied by Original Recorder)*	2 records, between 06/04/2023 and 04/05/2023	Naomi Chapple-Parry; Geraint Hughes; Kim Norman; Ian Moran; Naomi Chapple-Parry	8 Adult Male; 3 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12f		D1320/014/01	Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ308455 *(Estimated (Centroid of Site);Supplied by Original Recorder (Checked))*	5 records, between 05/03/1999 and 23/05/2006	Anon; Jacinta Challinor, Matthew Ellis	5 ; 45 Male; 15 Male; 14 Male; 2; 40		Wrexham;Johnstown; Hafod Quarry	Torch survey of 2 ponds; Torch survey of 12 ponds	D0026/279/01, D0026/036/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ308463 *(Estimated (Centroid of Site);Supplied by Original Recorder (Checked))*	6 records, between 23/04/2003 and 23/05/2006	Anon; Philippa Perry; Matthew Ellis, Alan Brown, D. Tomlinson; Recorder Name Withheld	5 Male; 1 Female; 18 Male; 1 Female; 34 ; 21 Male; 19; 24; 1 adult M		Wrexham;SSSI: Stryt Las a'r Hafod;Hafod Mitigation Pools; Hafod Mitigation Area	Torch survey of 12 ponds; Torch survey of 11 ponds; Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D0026/279/01, D1314/004/01, D1314/002/01, D1737/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC, NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30814638 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	1 Male		Johnstown; Hafod Mitigation Pools; Pond 5		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30854638 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	2 Male		Johnstown; Hafod Mitigation Pools; Pond 4		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30924641 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	11 Male		Johnstown; Hafod Mitigation Pools; Pond 3		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30954641 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	1 Male		Johnstown; Hafod Mitigation Pools; Pond 1		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30834630 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	2 Male		Johnstown; Hafod Mitigation Pools; Pond 8		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30814622 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	5 Male		Johnstown; Hafod Mitigation Pools; Pond 10		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30904639 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	2 Male		Johnstown; Hafod Mitigation Pools; Pond 11		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30814633 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	Male		Johnstown; Hafod Mitigation Pools; Pond 7		D0026/279/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ308462 *(Estimated (Centroid of Site))*	3 records, between 17/04/2007 and 23/05/2007	Anon - CCW; Anon	4; 9; 39		SSSI: Stryt Las a'r Hafod; Hafod R1 Mitigation Site	Torch survey of 11 ponds	D1314/006/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ306453 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	5 records, between 21/04/2005 and 23/05/2007	Anon; Matthew Ellis, N. Smith, David Groom, Jacinta Challinor	53; 19; 1; 6 Male; 2 Male		SSSI: Stryt Las a'r Hafod; Hafod R2 Quarry;Hafod South; Pond SLH30;Hafod South; Pond SLH31;Hafod South; Pond SLH34	Torch survey of 8 ponds; Torch survey	D1314/006/01, D1320/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ306452 *(Supplied by Original Recorder (Checked))*	21/04/2005	David Groom, Jacinta Challinor, Matthew Ellis, Neil Smith	8		SSSI: Stryt Las a'r Hafod; Hafod South	Torch survey of 8 ponds	D1314/004/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30724618 *(Estimated (From Recorder's Map))*	21/04/2005	Philippa Perry, Gael Atkinson	17 Male; 2 Female		SSSI: Stryt Las a'r Hafod; Hafod Mitigation Area; Pond SLH12	Torch survey	D1320/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3080546365 *(Selected from Interactive Map)*	25 records, between 20/04/2004 and 11/03/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Nicola Wheeler; Si...	8 Male; 3 Male; 1 Male; 3 Male; 1 Female; 3 Female; 20 Adult (Sex Unknown); 2 Adult Male; 12 Adult Male; 4 Adult Male; 4 Adult (Sex Unknown); 16 Male; 1 Female; 1 Adult Male; 5 Adult Male; 2 Male; ...	Torch Count	Johnstown - Hafod R1: Pond 06		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3078546355 *(Selected from Interactive Map)*	14 records, between 30/04/2009 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Simon Cope;	1 Female; 5 Male; 4 Female; 12 Adult Male; 3 Adult Male; 20 Adult Male; 1 Adult Female; 1 Adult Male; 6 Male; 8 Male; 2 Adult Male; 1 Male; 6 Female; 2 Age & Sex Unknown; 2 Male	Torch Count	Johnstown - Hafod R1: Pond 06a		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3061545545 *(Selected from Interactive Map)*	13 records, between 08/06/1993 and 13/05/2015	Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Nicola Wheeler; Simon Cope; Lesley Woodford; Dean Skrabania; Matthew Ellis; Paul Day; Simon Cope; Nicola Wheeler; Ma...	3 Male; 2 Male; 2 Male; 4 Adult (Sex Unknown); 4 Male; 3 Adult (Sex Unknown); 8 Adult Male; 2 Adult Female; 1 Male; 2 Adult Male	Torch Count	Johnstown - Hafod R2: Pond 28		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3061545525 *(Selected from Interactive Map)*	18 records, between 23/04/1997 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Vanessa Bean; Simon Cope; Nicola Wheeler; Mat...	7 Male; 2 Male; 1 Female; 9 Adult Male; 10 Male; 2 Male; 5 Male; 1 Male; 3 Adult Male; 5 Adult Female; 4 Adult Male; 1 Adult Female; 6 Adult (Sex Unknown); 6 Adult Male; 4 Adult Female; 7 Adult (Se...	Torch Count	Johnstown - Hafod R2: Pond 29		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3059545345 *(Selected from Interactive Map)*	22 records, between 20/04/2004 and 13/04/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kylie Jones - Mattock; Remani Jones; Kate Surry; Kylie Jones - Mattock;...	12 Male; 14 Male; 1 Male; 2 Female; 2 Adult Male; 1 Adult Female; 3 Male; 1 Female; 15 Male; 1 Female; 2 Male; 5 Male; 8 Male; 1 Age & Sex Unknown; 1 Male; 6 Adult Male; 9 Adult Male; 3 Male; 7 Male;	Torch Count/Bottle trap	Johnstown - Hafod R2: Pond 30		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3060545355 *(Selected from Interactive Map)*	31 records, between 22/05/1992 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Karl Martin; Kim Norman; Kylie Jones - Mattock; Nicola Wheeler; Simon C...	24 Male; 32 Male; 15 Male; 6 Female; 2 Age & Sex Unknown; 1 Adult Male; 3 Adult Male; 9 Adult Male; 10 Male; 26 Male; 2 Female; 7 Male; 13 Male; 29 Male; 1 Female; 1 Adult Male; 1 Adult (Sex Unknow...	Torch Count	Johnstown - Hafod R2: Pond 31	Includes data for Pond 30; Includes results for pond 30	D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3067545395 *(Selected from Interactive Map)*	19 records, between 05/05/1994 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Dean Skrabania; Lesley Woodford; Matthew Ellis;	1 Male; 1 Age & Sex Unknown; 1 Male; 3 Male; 1 Adult Male; 8 Male; 1 Female; 4 Male; 6 Male; 4 Male; 1 Female; 14 Male; 11 Adult Male; 4 Adult Female; 9 Adult Male; 8 Male; 5 Male; 3 Adult Male; 4 ...	Torch Count/Bottle trap	Johnstown - Hafod R2: Pond 32		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3064545415 *(Selected from Interactive Map)*	28 records, between 08/06/1993 and 17/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Vanessa Bean; Simon Cope; Nicola Wheeler; Mat...	2 Male; 12 Male; 1 Female; 5 Male; 4 Female; 1 Adult Male; 3 Male; 1 Male; 1 Female; 1 Male; 12 Male; 13 Male; 1 Female; 10 Male; 7 Adult Male; 4 Adult Female; 2 Adult Male; 1 Adult Female; 31 Adul...	Torch Count	Johnstown - Hafod R2: Pond 33	Includes results for pond 31	D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3065545345 *(Selected from Interactive Map)*	26 records, between 23/04/1997 and 03/05/2017	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Vanessa Bean; Simon Cope; Nicola Wheeler; Matthew Ellis; Kylie Jones - Mattock; Remani J...	6 Male; 19 Male; 5 Male; 1 Male; 10 Male; 2 Male; 21 Male; 5 Adult Male; 4 Adult Female; 6 Adult Male; 18 Adult Female; 7 Adult (Sex Unknown); 3 Male; 50 Adult (Sex Unknown); 16 Adult Male; 1 Adult...	Torch Count/Bottle trap	Johnstown - Hafod R2: Pond 34		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3076545885 *(Selected from Interactive Map)*	21 records, between 30/04/2009 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Kate Surry; Kylie Jones - Mattock; Remani Jon...	5 Male; 1 Male; 10 Male; 8 Female; 2 Age & Sex Unknown; 4 Adult Male; 13 Adult Male; 45 Adult Male; 1 Adult Male; 3 Adult Male; 4 Male; 15 Male; 39 Male; 3 Male; 64 Male; 13 Male; 3 Female; 48 Male...	Torch Count	Johnstown - Hafod Lagoons: Lagoon 3		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3081546395 *(Selected from Interactive Map)*	19 records, between 23/04/2003 and 07/05/2019	Simon Cope; Nicola Wheeler; Matthew Ellis; Alan Brown; Dave Tomlinson; Karl Martin; Matthew McInytre; Kylie Jones - Mattock; Paul Christie; Matthew Ellis; Nicola Wheeler; Simon Cope; Matthew Ellis;...	5 Male; 3 Male; 1 Adult Male; 2 Adult Male; 3 Adult Male; 9 Male; 2 Female; 9 Adult Male; 2 Male; 1 Male; 4 Adult Male; 13 Adult Male; 5 Adult Male; 33 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 05		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3078546385 *(Selected from Interactive Map)*	16 records, between 14/04/2011 and 04/05/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day	1 Male; 4 Male; 3 Male; 1 Adult Male; 3 Adult Male; 33 Adult Male; 2 Female; 5 Adult Male; 2 Male; 5 Male; 7 Adult Male; 2 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 05a		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3083546305 *(Selected from Interactive Map)*	25 records, between 23/04/2003 and 04/05/2022	Simon Cope; Nicola Wheeler; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Karl Martin; Matthew McInytre; Kylie Jones - Mattock; Paul	1 Male; 3 Male; 2 Adult (Sex Unknown); 25 Adult (Sex Unknown); 1 Adult Male; 1 Adult Female; 4 Adult Male; 3 Adult Male; 1 Adult Male; 8 Adult Male; 4 Male; 2 Female; 7 Adult Male; 5 Male; 1 Adult ...	Torch Count	Johnstown - Hafod R1: Pond 08		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3081546275 *(Selected from Interactive Map)*	25 records, between 20/04/2004 and 11/03/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kylie Jones - Mattock; Paul Christie; Matthew McInytre; Karl Martin; Ni...	8 Male; 1 Male; 54 Adult (Sex Unknown); 1 Adult Male; 1 Adult Male; 1 Adult Female; 11 Adult Male; 5 Adult Male; 7 Male; 4 Female; 1 Age & Sex Unknown; 2 Male; 4 Adult Male; 3 Adult Female; 1 Adult...	Torch Count	Johnstown - Hafod R1: Pond 09		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3094546395 *(Selected from Interactive Map)*	19 records, between 20/04/2004 and 11/03/2022	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Karl Martin; Nicola Wheeler; Simon Cope; Kylie...	4 Male; 3 Male; 2 Female; 3 Adult Male; 2 Adult Male; 4 Adult Male; 6 Male; 2 Male; 1 Adult Male; 5 Adult Male; 7 Male; 3 Male; 5 Male; 19 Adult Male; 11 Adult Female; 1 Male	Torch Count; Not Applicable	Johnstown - Hafod R1: Pond 02		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3077546365 *(Selected from Interactive Map)*	7 records, between 14/04/2011 and 13/05/2015	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Simon Cope; Nicola Wheeler; Matthew Ellis	4 Male; 1 Male; 13 Male; 2 Male	Torch Count	Johnstown - Hafod R1: Pond 05b		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3079246468 *(Selected from Interactive Map)*	26/04/2016	Alasdair Thomson; Lindsy Bryan	1 Adult (Sex Unknown)	Torch Count	Johnstown - Boncy Hafod Country Park: SLH13	Large eel (80cm+) seen!	D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3096546415 *(Selected from Interactive Map)*	11 records, between 23/04/2003 and 25/05/2011	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kar...	5 Male; 2 Female; 1 Age & Sex Unknown; 5 Male; 4 Female; 1 Age & Sex Unknown; 1 Adult Male; 4 Adult Male; 14 Adult Male; 33 Adult Female; 3 Adult Male; 16 Adult Male; 19 Adult Female; 3 Male; 2 Adult	Torch Count	Johnstown - Hafod R1: Pond 01		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3085846385 *(Selected from Interactive Map)*	22 records, between 23/04/2003 and 07/05/2019	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kar...	2 Male; 3 Age & Sex Unknown; 2 Adult (Sex Unknown); 2 Adult Male; 6 Adult Male; 1 Adult Male; 1 Adult Female; 3 Male; 3 Adult Male; 4 Adult Male; 1 Male; 3 Adult (Sex Unknown); 5 Adult Male; 2 Adul...	Torch Count	Johnstown - Hafod R1: Pond 04		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3089546405 *(Selected from Interactive Map)*	11 records, between 23/04/2003 and 11/03/2022	Nicola Wheeler; Simon Cope; Matthew Ellis; Alan Brown; Dave Tomlinson; Karl Martin; Simon Cope; Nicola Wheeler; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock; Kate Surry...	3 Female; 2 Adult (Sex Unknown); 4 Adult Male; 5 Adult Female; 1 Adult Male; 2 Adult Male; 2 Adult Female; 2 Adult (Sex Unknown); 12 Adult Male; 8 Adult Female; 1 Male; 4 Male; 1 Female	Torch Count	Johnstown - Hafod R1: Pond 11		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3072545865 *(Selected from Interactive Map)*	17 records, between 14/04/2009 and 04/05/2022	Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Ma...	6 Male; 3 Age & Sex Unknown; 18 Adult Male; 4 Adult Male; 1 Adult (Sex Unknown); 1 Male; 1 Male; 3 Female; 2 Male; 12 Adult Male; 6 Male; 1 Adult Male; 23 Adult Male; 3 Male; 1 Age & Sex Unknown; 3...	Torch Count	Johnstown - Hafod Lagoons: Lagoon 4		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3093546415 *(Selected from Interactive Map)*	7 records, between 23/04/2003 and 30/04/2009	Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis; Matthew Ellis; Kim N...	11 Adult Male; 1 Adult Female; 3 Adult Male; 6 Adult Female; 4 Adult Male; 4 Adult (Sex Unknown); 1 Adult Male; 2 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 03 (former site)		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3081546335 *(Selected from Interactive Map)*	2 records, between 23/04/2003 and 20/04/2004	Matthew Ellis; Alan Brown; Dave Tomlinson; Alan Brown; Dave Tomlinson; Ian Hughes; Matthew Ellis; Rhys Williams	1 Adult Male; 9 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 07 (former site)		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3081546215 *(Selected from Interactive Map)*	15 records, between 23/04/2003 and 07/05/2019	Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Karl Martin; Matthew McInytre; Kylie Jones - Mattock; Paul Christie; Matthew Ellis; ...	5 Adult Male; 4 Adult (Sex Unknown); 1 Adult Male; 2 Adult Male; 4 Adult Male; 1 Adult Female; 1 Male; 3 Adult Male; 2 Male; 1 Male; 1 Female; 4 Adult Male; 8 Adult Female; 1 Adult Male; 1 Adult Fe...	Torch Count	Johnstown - Hafod R1: Pond 10		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3072546181 *(Selected from Interactive Map)*	28 records, between 21/04/2005 and 06/04/2023	Pip Perry; Rhys Williams; Kylie Jones - Mattock; Karl Martin; Kate Wilson; Kim Norman; Leah Williams; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kylie Jones - Mattock; Karl Martin; Remani Jo...	17 Adult Male; 2 Adult Female; 4 Adult Male; 68 Adult Male; 43 Adult Male; 27 Adult Male; 45 Adult Male; 92 Adult Male; 103 Adult Male; 11 Male; 6 Adult Male; 1 Male; 6 Male; 67 Adult Male; 39 Adul...	Torch Count	Johnstown - Aberderfyn: SLH12		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3105846425 *(Selected from Interactive Map)*	10/05/2007	Matthew McInytre; Paul Christie; Kylie Jones - Mattock	3 Adult Male	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH15		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3078646218 *(Selected from Interactive Map)*	13 records, between 10/04/2008 and 19/05/2015	Kylie Jones - Mattock; Karl Martin; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kim Norman; Kate Surry; Rachel Jarvis; Remani Jones; Kim Norm...	2 Adult Male; 3 Adult Female; 21 Adult Male; 7 Adult Male; 1 Adult Male; 2 Adult Male; 4 Adult Male; 12 Adult Male; 39 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12a		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3055545659 *(Selected from Interactive Map)*	19 records, between 01/05/2012 and 04/05/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Paul Furnborough; Stephen Smith; Karl Martin; Remani Jones; Karl Martin; Julie Rose; James Crawford; Julie Rose;...	23 Adult Male; 16 Adult Male; 1 Adult Female; 5 Adult Male; 52 Adult Male; 1 Adult Male; 2 Adult Male; 2 Adult Female; 19 Adult Male; 1 Adult Female; 26 Adult Male; 165 Male; 89 Adult Male; 56 Male...	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC01		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3041245556 *(Selected from Interactive Map)*	20 records, between 05/04/2011 and 04/05/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Paul Furnborough; Stephen Smith; Karl Martin; Karl Martin; Remani Jones; Julie Rose; Karl Martin; Julie Rose; Ja...	21 Adult Male; 12 Adult Male; 11 Adult Male; 2 Adult Female; 1 Adult Male; 9 Adult Male; 2 Adult Male; 3 Adult Male; 1 Adult Male; 1 Adult Female; 2 Adult Male; 1 Adult Female; 5 Adult Male; 5 Male...	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC02		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3039645592 *(Selected from Interactive Map)*	9 records, between 05/04/2011 and 06/04/2022	Karl Martin; Lucie Bernardova; Karl Martin; Kate Wilson; Lucie Bernardova; Karl Martin; Karl Martin; Remani Jones; Julie Rose; Karl Martin; Karl Martin; Paul Furnborough; Karl Martin; Leah Williams...	8 Adult Male; 5 Adult Male; 1 Adult Male; 14 Adult Male; 2 Adult Female; 2 Adult Male; 3 Adult Male; 2 Male	Torch Count; Terrestrial disturbance	Johnstown - Morgan Ceramics: MC Ditch		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30754608 *(Supplied by Original Recorder)*	06/04/2022	Kate Wilson; Naomi Chapple-Parry	1 Adult Male	Torch Count	Johnstown - Aberderfyn: Culvert		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30924635 *(Supplied by Original Recorder)*	11/03/2022	Simon Cope; Nicola Wheeler	2 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 11a		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3094546365 *(Selected from Interactive Map)*	3 records, between 27/03/2012 and 13/05/2014	Simon Cope; Nicola Wheeler	2 Male; 1 Male	Torch Count	Johnstown - Hafod R1: Pond 02a (former site)		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3065545375 *(Selected from Interactive Map)*	6 records, between 15/05/2008 and 03/05/2017	Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Karl Martin; Kylie Jones - Mattock	2 Male; 1 Male; 3 Adult Male; 2 Adult Male	Torch Count	Johnstown - Hafod R2: Pond 36		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ307459 *(Selected from Interactive Map)*	12 records, between 08/06/1993 and 23/05/2006	Matthew Ellis; Paul Day; Dean Skrabania; Lesley Woodford; Dean Skrabania; Lesley Woodford; Jan Wilkinson; Matthew Ellis; Jan Wilkinson; Vanessa Bean; Matthew Ellis; Kim Norman; David Groom; David G...	93 Adult (Sex Unknown); 54 Adult Male; 55 Adult Female; 21 Adult (Sex Unknown); 10 Adult (Sex Unknown); 10 Adult Male; 8 Adult Female; 22 Adult (Sex Unknown); 2 Adult (Sex Unknown); 38 Adult Male; 39	Torch Count	Johnstown - Hafod: General	Hafod R1; Hafod R2	D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3081946476 *(Selected from Interactive Map)*	2 records, between 14/04/2009 and 30/04/2009	Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock; Rachel Jarvis; Kate Surry; Remani Jones	4 Adult Male; 2 Adult Male; 1 Adult Female	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH14		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3117546483 *(Selected from Interactive Map)*	14/04/2009	Kylie Jones - Mattock; Remani Jones; Rachel Jarvis	2 Adult Female	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH17		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3077446631 *(Selected from Interactive Map)*	2 records, between 14/04/2009 and 30/04/2009	Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones - Mattock; Rachel Jarvis; Kate Surry; Remani Jones	2 Adult Male; 2 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH19		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3078846181 *(Selected from Interactive Map)*	14 records, between 30/04/2009 and 08/05/2018	Karl Martin; Kim Norman; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kim Norman; Kate Surry; Rachel Jarvis; Ian Moran; Paul Furnborough; Paul...	32 Adult Male; 11 Adult Male; 7 Adult Male; 1 Adult Male; 1 Adult Female; 8 Adult (Sex Unknown); 3 Male; 1 Adult Male; 3 Adult Male; 3 Adult Female; 9 Adult Male; 1 Adult (Sex Unknown); 39 Adult Ma...	Torch Count	Johnstown - Aberderfyn: SLH12b		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3076046127 *(Selected from Interactive Map)*	17 records, between 18/04/2013 and 04/05/2023	Kim Norman; Leah Williams; Kate Wilson; Remani Jones; Kim Norman; Remani Jones; Julie Rose; Kate Wilson; Ian Moran; Paul Furnborough; Ian Moran; Paul Furnborough; Emma Ellis; Paul Furnborough; Kian...	27 Adult Male; 10 Adult Female; 4 Adult (Sex Unknown); 1 Adult Male; 4 Adult Male; 8 Male; 7 Male; 21 Adult Male; 7 Adult Male; 5 Adult Male; 4 Adult Female; 6 Adult Male; 14 Adult Male; 10 Adult M...	Torch Count	Johnstown - Aberderfyn: SLH12d		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3072546099 *(Selected from Interactive Map)*	13 records, between 18/04/2013 and 04/05/2023	Kim Norman; Leah Williams; Kate Wilson; Remani Jones; Kim Norman; Remani Jones; Julie Rose; Kate Wilson; Ian Moran; Paul Furnborough; Paul Furnborough; Paul Furnborough; Emma Ellis; Paul Furnborough;	26 Adult Male; 13 Adult Male; 28 Adult Male; 1 Adult Female; 7 Male; 8 Adult Male; 9 Male; 1 Adult Male; 9 Adult Male; 3 Adult Male; 11 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12e		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA, PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3076046160 *(Selected from Interactive Map)*	12 records, between 30/04/2009 and 05/05/2021	Kylie Jones - Mattock; Karl Martin; Remani Jones; Kylie Jones - Mattock; Karl Martin; Remani Jones; Kim Norman; Kate Surry; Rachel Jarvis; Remani Jones; Julie Rose; Kate Wilson; Ian Moran; Paul Fur...	18 Adult Male; 3 Adult Male; 1 Adult Female; 2 Adult Male; 3 Male; 1 Adult Male; 7 Male	Torch Count	Johnstown - Aberderfyn: SLH12c		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30624532	22/05/1992	Anon - Herpetofauna Consultants International				Sex stage: Egg	D1122/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30704531	22/05/1992	Anon - Herpetofauna Consultants International				Sex stage: Egg	D1122/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30804550	22/05/1992	Anon - Herpetofauna Consultants International				Sex stage: Egg	D1122/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30824531	22/05/1992	Anon - Herpetofauna Consultants International					D1122/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30894531	22/05/1992	Anon - Herpetofauna Consultants International					D1122/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30914522	22/05/1992	Anon - Herpetofauna Consultants International					D1122/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ32284584	03/07/1992	Anon - Herpetofauna Consultants International					D1122/002/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30674529 *(Supplied by Original Recorder)*	2 records, between 14/04/2011 and 11/05/2011	Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler	2 Male; 4 Female; 5 Age & Sex Unknown; 2 Male	Torch Count	Johnstown - Hafod R2: Pond 37 (former site)		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3080146290	23/04/2003	Recorder Name Withheld	11 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3080746339	23/04/2003	Recorder Name Withheld	1 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3081646395	23/04/2003	Recorder Name Withheld	2 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3083246304	23/04/2003	Recorder Name Withheld	2 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3090546398	23/04/2003	Recorder Name Withheld	5 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3094146392	23/04/2003	Recorder Name Withheld	2 adult M		Hafod Mitigation Pools	Torch model: Clulite Cb2. Pond suitability for torching: moderate due to, vegetation and water clarity Surveyors: M Ellis, A Brown, D Tomlinson. Source: Old ARC database	D1737/003/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ3116646487 *(Selected from Interactive Map)*	04/05/2006	David Groom; Matthew Ellis	1 Adult Male	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH16		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	NA
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30694607 *(Selected from Interactive Map)*	09/10/2019	Kate Wilson	6 Adult		Aberderfyn	Recued from a shaft in the culvert during flood alleviation works	D1531/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ307461 *(Estimated (Centroid of Site))*	06/04/2022	Kate Wilson; Naomi Chapple-Parry	3 Adult Male		Aberderfryn	Recorded in puddles during GCN survey	D1531/001/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Lissotriton vulgaris (Smooth Newt / Madfall Ddwr Gyffredin)	SJ30764628 *(Supplied by Original Recorder)*	2 records, between 06/04/2023 and 04/05/2023	Naomi Chapple-Parry; Geraint Hughes; Kim Norman; Ian Moran; Naomi Chapple-Parry	3 Adult Male; 1 Adult Male	Torch Count	Johnstown - Aberderfyn: SLH12f		D1320/014/01	Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-T, WCA5	PC
Meles meles **(Badger / Mochyn Daear)**	SJ3146	**2001**	**Clwyd Badger Group**		**Badger Sett**	**-Withheld-**	**-Withheld-**	D0059/001/03	**Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA**	**NA**
Meles meles **(Badger / Mochyn Daear)**	SJ3245	**19/11/2002**	**Clwyd Badger Group**		**Badger Sett**	**-Withheld-**	**-Withheld-**	D0059/001/03	**Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA**	**NA**
Meles meles **(Badger / Mochyn Daear)**	SJ3145	**22/01/2002**	**Clwyd Badger Group**		**Badger Sett**	**-Withheld-**	**-Withheld-**	D0059/001/03	**Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA**	**NA**
Meles meles **(Badger / Mochyn Daear)**	SJ3044	**2 records, between 07/09/2000 and 12/02/2017**	**Cutts, Andrew; Ryan Mellor**	**1**		**-Withheld-**	**-Withheld-**	D1844/001/03, D1923/001/01	**Bern3, LBAP-C, LBAP-D, LBAP-F, LBAP-W, PBA**	**NA**
Milvus milvus (Red Kite / Barcud)	SJ3146 *(Approximate)*	07/03/1997	Mrs Shirley Williams			Hafod Woodlands		D1297/042/01	BDir1, Bonn2, CITES-A, LBAP-C, LBAP-G, WBA, WCA1.1, WCA9	PC
Milvus milvus (Red Kite / Barcud)	SJ3044 *(Approximate)*	04/03/2022	Mr John Elcock	1		Ruabon		D1297/050/01	BDir1, Bonn2, CITES-A, LBAP-C, LBAP-G, WBA, WCA1.1, WCA9	UA
Myotis **(Myotis Bat species)**	SJ3046	**06/10/2008**	**Karl Martin**	**1 Adult**	**Bat detector**	**-Withheld-**	**-Withheld-**	D1398/001/01	**Bern2, Bonn2, CHS2, HDir4, WCA5**	**PC**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Myotis daubentonii **(Daubenton's Bat / Ystlum y Dwr)**	SJ3046	**2 records, between 06/10/2008 and 24/10/2008**	**Karl Martin**	**2 Adult; 1 Adult**	**Bat detector**	**-Withheld-**	**-Withheld-**	D1398/001/01	**Bern2, Bonn2, CHS2, HDir4, LBAP-C, LBAP-D, LBAP-F, LBAP-G, WCA5**	**PC**
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ308463	4 records, between 18/07/2008 and 19/05/2009	Mick Brummage; Sarah Jones	5 sub-adults; 3 sub-adults; Adult; 4 adults		Hafod R1, Johnstown	Under refuges in grassland; Under refuge in grassland; Near pond 6 during newt survey; under refuges in grassland	D0035/002/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	KC
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ307463	2002	Bill Burke	Several		Hafod R1, Johnstown	Several in area of old pasture and ponds	D0035/002/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ308464	11/09/2008	Remani Jones	5 sub-adults		Hafod R1, Johnstown	Under refuges in grassland	D0035/002/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	KC
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ306454	June 2008	Bill Burke	2		Hafod R2, Johnstown	At ponds on reclaimed tip	D0035/002/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ3046	30/04/2009	Mick Brummage	2 adult males, 3 adult females		Hafod R1, Johnstown	Under refuges in grassland	D0035/002/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	KC
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ305454	2 records, both in 1997	Matthew Ellis; Ellis, Matthew	2 adults		Hafod clay pit, Wrexham		D0035/002/01, D1076/001/02	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	KC, NA
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ3094546395 *(Selected from Interactive Map)*	08/05/2012	Simon Cope; Nicola Wheeler	1	Torch Count	Johnstown - Hafod R1: Pond 02		D1320/014/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	PC
Natrix helvetica (Grass Snake / Neidr y Gwair)	SJ30404558 *(Selected from Interactive Map)*	21/04/2009	Tom Knight	1 Sub-adult	Live Sighting	Morgan Electro Ceramics	Moved during licensed Great Crested Newt translocation.	D1696/001/01	BAP, Bern3, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-T, S7, WCA5	KC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Numenius arquata (Curlew / Gylfinir)	SJ3246 *(Approximate)*	25/03/2020	Mr James Hughes	1		Sontley, pools		D1297/039/01	BAP, BDir2.2, Bonn2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, RL-EN, S7, UKBR, WBR	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ3046	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135429-139324050; Occurrence ID: NBN-GA000656-BGBW2009-16442656-106609263	D1852/001/01, D1852/002/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC
Passer domesticus (House Sparrow / Aderyn y To)	SJ3044	7 records, between 26/01/2008 and 11/02/2020	Anon; Recorder name withheld (obsr1506277); Neil Hughes; Steven Davies; Recorder Name withheld (obsr1506277)	10; 18; 3; 1; 15	Reported to recorder	Wrexham Denbighshire;Garden;Ruabon, N	Occurrence ID: NBN-GA000567-BGBW2008-22135433-139388999; Occurrence ID: NBN-GA000656-BGBW2009-16443268-106609186; Activity: B. Survey: Observer data; BirdTrack	D1852/001/01, D1852/002/01, D0346/001/01, D0062/008/01, D1297/025/01, D0346/003/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC, UA, NA
Passer domesticus (House Sparrow / Aderyn y To)	SJ3246 *(Approximate)*	24 records, between 24/01/2009 and 25/06/2022	Anon; Mr James Hughes; Mrs Heather Cartwright	10+; 20+; 12+; 8+; 20; 5; 6+		Sontley, pools;Middle Sontley	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106609009; Breeding details: Visiting probable nest site (N)	D1852/002/01, D1297/039/01, D1297/047/01, D1297/050/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	PC, UA
Passer domesticus (House Sparrow / Aderyn y To)	SJ307459 *(Approximate)*	28/01/2022	Kate Wilson	1 Full-Grown		Aberderfyn		D1531/001/01	BAP, LBAP-C, LBAP-F, LBAP-G, S7, UKBR, WBA	UA
***Pipistrellus pipistrellus* (Common Pipistrelle)**	SJ3046	**10/05/1995**	**Anon**			**-Withheld-**	**-Withheld-**	D1486/001/01	**Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, WCA5**	**NA**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Pipistrellus pipistrellus **(Common Pipistrelle)**	SJ3046	**24/10/2008**	**Karl Martin**	**5 Adult**	**Bat detector**	**-Withheld-**	**-Withheld-**	D1398/001/01	**Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, WCA5**	**PC**
Pipistrellus pygmaeus **(Soprano Pipistrelle)**	SJ3046	**06/10/2008**	**Karl Martin**	**3 Adult**	**Bat detector**	**-Withheld-**	**-Withheld-**	D1398/001/01	**BAP, Bern2, Bonn2, CHS2, HDir4, LBAP-A, LBAP-D, LBAP-E, LBAP-F, LBAP-G, S7, WCA5**	**PC**
Plecotus auritus **(Brown Long-eared Bat / Ystlum Hirglust)**	SJ3044	**31/10/2003**	**M.C. Freeman**	**8 (Exact)**		**-Withheld-**	**-Withheld-**	D1923/001/01	**BAP, Bern2, Bonn2, CHS2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, WCA5**	**NA**
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ3046	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442803-106179338	D1852/002/01	BAP, Bern2, LBAP-C, S7, UKBA	PC
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ3246 *(Approximate)*	8 records, between 24/01/2009 and 06/06/2022	Anon; Mrs Heather Cartwright; Mr James Hughes			Middle Sontley;Sontley, pools	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106179632	D1852/002/01, D1297/047/01, D1297/050/01	BAP, Bern2, LBAP-C, S7, UKBA	PC, UA
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ3044	4 records, between 24/01/2009 and 11/02/2020	Anon; Recorder name withheld (obsr1506277); Neil Hughes; Recorder Name withheld (obsr1506277)	2; 4	Reported to recorder	Garden;Ruabon, N	Occurrence ID: NBN-GA000656-BGBW2009-16443032-106179421; Activity: FL. Survey: Observer data	D1852/002/01, D0346/001/01, D0062/008/01, D0346/003/01	BAP, Bern2, LBAP-C, S7, UKBA	PC, UA, NA
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ3145	2009	Anon					D1775/001/02	BAP, Bern2, LBAP-C, S7, UKBA	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Prunella modularis (Dunnock / Llwyd y Gwrych)	SJ3146	10/10/2019	Dr Anne Brenchley			SJ3145 Bonc-y-Hafod CP		D1297/026/01	BAP, Bern2, LBAP-C, S7, UKBA	PC
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ3146 *(Approximate)*	2 records, between 11/10/2020 and 07/10/2022	Mr Steven Davies; Mr Michael Stephens	2; 2+		Bonc-yr-Hafod;Ruabon, Wrexham LL14 6ET, UK		D1297/039/01, D1297/050/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	PC, UA
Pyrrhula pyrrhula (Bullfinch / Coch y Berllan)	SJ3044	3 records, between 29/05/2011 and 02/01/2020	Recorder name withheld (obsr1506277); Neil Hughes	1; 1 Female; 1 Male	Reported to recorder	Garden;Ruabon, N	Survey: Observer data; Activity: P. Survey: Observer data	D0346/001/01, D0062/008/01	BAP, LBAP-C, LBAP-D, LBAP-F, LBAP-G, S7, UKBA, WBR	UA, NA
Rana temporaria (Common Frog / Broga)	SJ308463 *(Supplied by Original Recorder (Checked))*	20/04/2004	Matthew Ellis, Alan Brown, D. Tomlinson, Ian Hughes, Rachel Watson	Egg		SSSI: Stryt Las a'r Hafod; Hafod	Torch survey of 17 ponds	D1314/003/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ3080546365 *(Selected from Interactive Map)*	3 records, between 20/04/2004 and 10/04/2018	Simon Cope; Nicola Wheeler; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Matthew Ellis	1 Age & Sex Unknown; Frog Spawn; 3 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 06		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3078546385 *(Selected from Interactive Map)*	4 records, between 05/04/2014 and 11/03/2022	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis	1 Age & Sex Unknown; 1 Adult (Sex Unknown); 4 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 05a		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC
Rana temporaria (Common Frog / Broga)	SJ3079246468 *(Selected from Interactive Map)*	5 records, between 26/04/2016 and 20/04/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Ally Whitley; Alasdair Thomson; David Mills; Ellie Wainwright; Emma Watson; Sue Mills; Alasdair Thomson; Emma Watson	3+ Larva/Tadpole; Larva/Tadpole; 10 Larva/Tadpole	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH13		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC
Rana temporaria (Common Frog / Broga)	SJ3078546355 *(Selected from Interactive Map)*	3 records, between 14/04/2011 and 11/03/2022	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis	3 Age & Sex Unknown; 1 Adult (Sex Unknown); Frog Spawn; Larva/Tadpole	Torch Count	Johnstown - Hafod R1: Pond 06a		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Rana temporaria (Common Frog / Broga)	SJ3093546415 *(Selected from Interactive Map)*	3 records, between 13/04/2006 and 11/05/2011	Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Karl Martin; Matthew McInytre; Kylie Jones - Mattock; Paul Christie; Matthew Ellis; Matthew Ellis; Kim Norman	1 Larva/Tadpole; 1 Adult (Sex Unknown); 2 Adult Male	Torch Count	Johnstown - Hafod R1: Pond 03 (former site)		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3081546275 *(Selected from Interactive Map)*	3 records, between 20/04/2004 and 10/04/2018	Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis; Matthew Ellis	Frog Spawn; 1 Adult (Sex Unknown); 1 Adult (Sex Unknown); Larva/Tadpole	Torch Count	Johnstown - Hafod R1: Pond 09		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3094546395 *(Selected from Interactive Map)*	2 records, between 23/05/2007 and 11/03/2022	Karl Martin; Simon Cope; Nicola Wheeler	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 02		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC
Rana temporaria (Common Frog / Broga)	SJ3085846385 *(Selected from Interactive Map)*	3 records, between 10/05/2007 and 10/04/2018	Karl Martin; Kylie Jones - Mattock; Paul Christie; Matthew McInytre; Matthew Ellis	Larva/Tadpole; 1 Adult Male; 2 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 04		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3117546483 *(Selected from Interactive Map)*	9 records, between 12/05/2015 and 19/05/2021	Alasdair Thomson; Rachael Davis; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Ally Whitley; Alasdair Thomson; Rachael Davis; Kim Norman; Alasdair Thomson; Lindsy Bryan; Alasdair...	1 Juvenile (Sex Unknown); 1 Adult (Sex Unknown); 2 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH17		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3077446631 *(Selected from Interactive Map)*	3 records, between 30/04/2009 and 02/05/2017	Alasdair Thomson; Rachael Davis; Kylie Jones - Mattock; Rachel Jarvis; Kate Surry; Remani Jones; Alasdair Thomson	1 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH19		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Rana temporaria (Common Frog / Broga)	SJ3076545885 *(Selected from Interactive Map)*	13/04/2017	Simon Cope; Nicola Wheeler	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod Lagoons: Lagoon 3		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3081546215 *(Selected from Interactive Map)*	5 records, between 30/04/2013 and 07/05/2019	Matthew Ellis; Simon Cope; Nicola Wheeler	1 Larva/Tadpole; Larva/Tadpole; 1 Age & Sex Unknown	Torch Count	Johnstown - Hafod R1: Pond 10		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3083546305 *(Selected from Interactive Map)*	2 records, between 30/04/2009 and 11/03/2022	Simon Cope; Nicola Wheeler; Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 08		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC, NA
Rana temporaria (Common Frog / Broga)	SJ30924635 *(Supplied by Original Recorder)*	11/03/2022	Simon Cope; Nicola Wheeler	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 11a		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ3060545355 *(Selected from Interactive Map)*	3 records, between 06/05/2008 and 13/05/2014	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Kylie Jones - Mattock; Karl Martin	3 Age & Sex Unknown; 1 Age & Sex Unknown; 1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R2: Pond 31		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3096546415 *(Selected from Interactive Map)*	30/04/2009	Kylie Jones - Mattock; Kate Surry; Remani Jones; Rachel Jarvis	1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 01		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3081946476 *(Selected from Interactive Map)*	4 records, between 20/05/2014 and 04/05/2022	Alasdair Thomson; Kim Norman; Rachael Davis; Alasdair Thomson; Ellie Wainwright; David Mills; Kim Norman; Sue Mills; Alasdair Thomson; Rachael Davis; Kim Norman; Alasdair Thomson; Lindsy Bryan; Rac...	1 Adult (Sex Unknown); 3 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH14	Fish	D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC
Rana temporaria (Common Frog / Broga)	SJ3078646218 *(Selected from Interactive Map)*	3 records, between 15/04/2014 and 06/06/2019	Karl Martin; Kim Norman; Paul Furnborough; Kiani Perera; Keely Bigland; Kim Norman; Paul Furnborough	1 Adult (Sex Unknown); 1 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12a		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Rana temporaria (Common Frog / Broga)	SJ3078846181 *(Selected from Interactive Map)*	4 records, between 13/04/2010 and 06/06/2019	Karl Martin; Kim Norman; Kylie Jones - Mattock; Karl Martin; Remani Jones; Paul Furnborough	3 Adult (Sex Unknown); Larva/Tadpole; 4 Adult (Sex Unknown); 1 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12b		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3039645592 *(Selected from Interactive Map)*	07/05/2015	Karl Martin; Paul Furnborough	1 Adult (Sex Unknown)	Torch Count	Johnstown - Morgan Ceramics: MC Ditch		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3072546181 *(Selected from Interactive Map)*	5 records, between 19/05/2015 and 04/05/2023	Paul Furnborough; Ian Moran; Kate Wilson; Naomi Chapple-Parry; Paul Furnborough; Kiani Perera; Keely Bigland; Kate Wilson; Paul Furnborough; Naomi Chapple-Parry; Ian Moran	2 Age & Sex Unknown; 1 Adult (Sex Unknown); 1 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC
Rana temporaria (Common Frog / Broga)	SJ3076046160 *(Selected from Interactive Map)*	3 records, between 08/05/2018 and 21/04/2021	Ian Moran; Emma Ellis; Paul Furnborough; Paul Furnborough	Present Larva/Tadpole; 1 Larva/Tadpole; 1 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12c		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC
Rana temporaria (Common Frog / Broga)	SJ3072546099 *(Selected from Interactive Map)*	5 records, between 08/05/2018 and 06/04/2023	Paul Furnborough; Paul Furnborough; Emma Ellis; Kate Wilson; Naomi Chapple-Parry; Emma Ellis; Paul Furnborough; Naomi Chapple-Parry; Geraint Hughes; Kim Norman	1 Adult (Sex Unknown); 3 Age & Sex Unknown; 3 Adult (Sex Unknown); Abundant Larva/Tadpole	Torch Count	Johnstown - Aberderfyn: SLH12e		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC
Rana temporaria (Common Frog / Broga)	SJ3077546365 *(Selected from Interactive Map)*	2 records, between 05/04/2014 and 13/05/2015	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis	1 Age & Sex Unknown	Torch Count	Johnstown - Hafod R1: Pond 05b		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3116646487 *(Selected from Interactive Map)*	2 records, between 02/06/2015 and 20/04/2023	Alasdair Thomson; Rachael Davis; Kim Norman; Alasdair Thomson; Emma Watson	1 Adult (Sex Unknown)	Torch Count	Johnstown - Bonc y Hafod Country Park: SLH16		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Rana temporaria (Common Frog / Broga)	SJ3076046127 *(Selected from Interactive Map)*	4 records, between 19/05/2015 and 21/04/2021	Paul Furnborough; Kiani Perera; Keely Bigland; Kate Wilson; Paul Furnborough; Tom Hough; Paul Furnborough; Emma Ellis; Paul Furnborough	1 Adult (Sex Unknown); 1 Age & Sex Unknown	Torch Count	Johnstown - Aberderfyn: SLH12d		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3089546405 *(Selected from Interactive Map)*	2 records, between 04/05/2006 and 10/04/2018	Matthew Ellis; Matthew Ellis; David Groom; Gail Atkinson	2 Adult (Sex Unknown); 1 Adult (Sex Unknown)	Torch Count	Johnstown - Hafod R1: Pond 11		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ3041245556 *(Selected from Interactive Map)*	16/05/2019	Paul Furnborough; Ian Moran	1 Age & Sex Unknown	Torch Count	Johnstown - Morgan Ceramics: MC02		D1320/014/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	NA
Rana temporaria (Common Frog / Broga)	SJ307459	07/03/2022	Kate Wilson	10 Frog Spawn		Aberderfyn		D1531/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ307460 *(Selected from Interactive Map)*	04/05/2022	Kate Wilson; Naomi Chapple-Parry	1 Adult		Aberderfryn	Recorded in a puddle during GCN survey	D1531/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Rana temporaria (Common Frog / Broga)	SJ307461 *(Selected from Interactive Map)*	04/05/2023	Naomi Chapple-Parry; Ian Moran	2 Adult	Live Sighting/Torch Count	Aberderfryn		D1531/001/01	Bern3, HDir5, LBAP-A, LBAP-C, LBAP-F, LBAP-T, WCA5	PC
Sturnus vulgaris (Starling / Drudwen)	SJ3046	2 records, between 26/01/2008 and 25/01/2009	Anon			Wrexham, Denbighshire	Occurrence ID: NBN-GA000567-BGBW2008-22135760-139324051; Occurrence ID: NBN-GA000656-BGBW2009-16443121-106878488	D1852/001/01, D1852/002/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC
Sturnus vulgaris (Starling / Drudwen)	SJ3044	4 records, between 26/01/2008 and 11/02/2020	Anon; Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277)	4; 2		Wrexham, Denbighshire;Garden	Occurrence ID: NBN-GA000567-BGBW2008-22135761-139389000; Occurrence ID: NBN-GA000656-BGBW2009-16442870-106878463	D1852/001/01, D1852/002/01, D0346/001/01, D0346/003/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sturnus vulgaris (Starling / Drudwen)	SJ3246 *(Approximate)*	4 records, between 24/01/2009 and 06/06/2022	Anon; Mrs Heather Cartwright; Mr James Hughes	3; 10+		Middle Sontley;Sontley, pools	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106878477	D1852/002/01, D1297/050/01, D1297/047/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	PC, UA
Sturnus vulgaris (Starling / Drudwen)	SJ3146	18/05/2011	Neil Hughes	1	Reported to recorder	Rhosllanerchrugog, Brick works	Activity: ON. Survey: Observer data	D0062/008/01	BAP, BDir2.2, LBAP-C, LBAP-F, LBAP-G, RL-VU, S7, UKBR, WBR	NA
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ3046 ***(Selected from Interactive Map;Supplied by Original Recorder (Checked);Estimated (Centroid of Site))***	**15 records, between 02/05/2002 and 14/09/2010**	**Simon Cope; Matthew Ellis, Alan Brown, D. Tomlinson, Ian Hughes, Rachel Watson; Anon; Philippa Perry; Matthew Ellis, Alan Brown, D. Tomlinson; Recorder Name Withheld; Tom Knight**	**1 Larvae; 20 ; 159 Male; 104 Female; 25 ; 20 Male; 16 Female; Larvae; 1 ; 1 Male; 4 Female; 9 ; 43 Male; 32 Female; 181 ; 61 Male; 120 Female; 4 ; 21 Male; 18 Female; 1 adult M; P Adult (Exact); P ...**		**-Withheld-**	**-Withheld-**	D1117/001/01, D1314/003/01, D0026/279/01, D1314/004/01, D1314/002/01, D1737/003/01, D1923/001/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5**	**PC, NA**
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ3046 ***(Selected from Interactive Map;Estimated (Centroid of Site))***	**4 records, between 17/04/2007 and 14/09/2010**	**Simon Cope; Anon - CCW; Anon**	**2 Juvenile; 2 ; 19 Male; 7 Female; 14 Male; 3 Female; 1 ; 6 Male; 3 Female**		**-Withheld-**	**-Withheld-**	D1117/001/01, D1314/006/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5**	**PC**
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ3045 ***(Estimated (Centroid of Site);Supplied by Original Recorder (Checked))***	**7 records, between 05/03/1999 and 14/08/2006**	**Anon; Jacinta Challinor, Matthew Ellis; Glenn Richards**	**10 Male; 13 Female; 2 ; 72 Male; 56 Female; Larvae; 1 ; 2 Male; 3 Female; 3; 10 ; 9 Male; 12 Female; 56 Adult (Exact)**		**-Withheld-**	**-Withheld-**	D0026/279/01, D0026/036/01, D1923/001/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5**	**PC, NA**
Triturus cristatus **(Great Crested Newt / Madfall Ddwr Gribog)**	SJ3045 ***(Estimated (Centroid of Site);Estimated (From Recorder's Map);Approximate)***	**10 records, between 23/04/1997 and 23/05/2007**	**Anon; Anon - CCW; Matthew Ellis, N. Smith, David Groom, Jacinta Challinor; Ecological Survey Unit**	**8 Male; 11 Female; 3 Male; 1 Female; 1 ; 4 Male; 5 Female; 1 Male; 1 ; 1 Female; 2 Male; 2 ; 2 Female; 9 (Exact); 3 (Exact)**		**-Withheld-**	**-Withheld-**	D1314/006/01, D1320/003/01, D0137/001/01	**BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5**	**PC, NA**

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder (Checked))*	21/04/2005	David Groom, Jacinta Challinor, Matthew Ellis, Neil Smith	10 ; 4 Male; 3 Female		-Withheld-	-Withheld-	D1314/004/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	57 records, between 02/05/2001 and 13/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Jan Wilkinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Matthew Ellis; Nic...	6 Male; 1 Female; 4 Age & Sex Unknown; 12 Male; 8 Female; 6 Age & Sex Unknown; 38 Male; 17 Female; 2 Age & Sex Unknown; 10 Male; 3 Female; 7 Male; 3 Female; 1 Female; 2 Male; 3 Female; 1 Age & Sex ...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	32 records, between 21/05/1997 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Si...	1 Male; 24; 4 Male; 1 Female; 1 Age & Sex Unknown; 5 Adult Male; 15 Adult Female; 2 Adult (Sex Unknown); 4 Male; 4 Female; 3 Adult (Sex Unknown); 21 Adult Male; 12 Adult Female; 2 Adult (Sex Unknow...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	59 records, between 02/04/1993 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Alan Brown; Dave Tomlinson; Ian Hughes; Matthew Ellis; Rhys Williams; Matthew Ellis; Nicola Wheeler; Simon Cope; Karl Martin; Kim...	6 Male; 2 Female; 5 Male; 1 Age & Sex Unknown; 12 Male; 1 Female; 2 Age & Sex Unknown; 1 Male; 3 Male; 2 Female; 2 Adult Male; 8; 1 Female; 1 Age & Sex Unknown; 1 Adult Male; 1 Adult Female; 1 Adul...	Torch Count/Netted; Bottle trap	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	67 records, between 22/05/1992 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Si...	16 Male; 10 Female; 5 Age & Sex Unknown; 5 Male; 2 Female; 15 Age & Sex Unknown; 21 Male; 4 Female; 3 Age & Sex Unknown; 1 Male; 4 Male; 1 Female; 17; 4 Male; 2 Age & Sex Unknown; 3 Adult Male; 3 A...	Torch Count/Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	41 records, between 21/04/2005 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Karl Martin; Kim Norman; Kylie Jones - Mattock; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon C...	2 Female; 1 Female; 2 Age & Sex Unknown; 1 Male; 1 Female; 1 Age & Sex Unknown; 12; 4 Male; 1 Age & Sex Unknown; 2 Larva/Tadpole; 3 Adult Male; 6 Male; 1 Female; 6 Adult (Sex Unknown); 7 Adult Male...	Torch Count/Bottle trap	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	41 records, between 21/04/2005 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler; Matthew	8 Male; 1 Female; 2 Age & Sex Unknown; 2 Male; 3 Female; 1 Male; 1 Male; 2 Female; 8; 1 Adult Male; 1 Adult Female; 5 Male; 1 Female; 4 Adult (Sex Unknown); 3 Adult Female; 2 Adult (Sex Unknown); 1...	Torch Count/Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	69 records, between 02/04/1993 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Si...	6 Male; 2 Female; 15 Male; 11 Female; 11 Age & Sex Unknown; 1 Male; 1 Female; 3 Age & Sex Unknown; 3 Male; 3 Female; 1 Age & Sex Unknown; 2 Male; 1 Female; 3 Male; 2 Female; 11 Male; 14 Female; 3 Age	Torch Count/Netted; Bottle trap	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	39 records, between 13/04/2010 and 06/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Nicola Wheeler; Paul Day; Si...	1 Female; 1 Male; 1 Male; 3 Age & Sex Unknown; 6 Male; 85 Male; 14 Female; 9 Age & Sex Unknown; 3 Male; 9 Adult Male; 1 Adult Female; 1 Adult (Sex Unknown); 77 Adult Male; 18 Adult Female; 4 Adult ...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	54 records, between 02/05/2001 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian...	1 Female; 16 Male; 3 Female; 3 Age & Sex Unknown; 10 Male; 12 Female; 6 Age & Sex Unknown; 20 Male; 11 Female; 5 Age & Sex Unknown; 4 Male; 3 Age & Sex Unknown; 1 Adult Female; 1 Adult Male; 4 Adul...	Torch Count/Pitfall trap; Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	47 records, between 02/05/2001 and 06/05/2021	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip	1 Male; 1 Female; 67 Male; 11 Female; 7 Age & Sex Unknown; 28 Male; 3 Female; 3 Age & Sex Unknown; 12 Male; 8 Female; 2 Age & Sex Unknown; 2 Male; 1 Female; 3 Male; 1 Adult Male; 2 Adult Female; 1 ...	Torch Count/Pitfall trap; Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	37 records, between 27/04/2010 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Matthew Ellis; Simon Cope; Nicola Wheeler; ...	4 Male; 2 Female; 1 Age & Sex Unknown; 18 Male; 4 Female; 1 Age & Sex Unknown; 1 Male; 1 Female; 3 Male; 2 Female; 4 Male; 3 Male; 1 Female; 1 Age & Sex Unknown; 1 Adult Male; 4 Adult Male; 2 Adult...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	55 records, between 02/05/2001 and 04/05/2022	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dav...	10 Male; 6 Female; 5 Age & Sex Unknown; 46 Male; 8 Female; 5 Age & Sex Unknown; 16 Male; 8 Female; 24 Male; 6 Female; 1 Age & Sex Unknown; 4 Male; 6 Female; 1 Age & Sex Unknown; 10 Male; 7 Female; ...	Torch Count/Pitfall trap	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	31 records, between 14/04/2009 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Matthew Ellis; Kylie Jones - Mattock; Remani Jones; Rachel Jarvis; Kylie Jones	3 Age & Sex Unknown; 1 Age & Sex Unknown; 2 Male; 2 Female; 3 Male; 1 Male; 1 Female; 10 Male; 3 Female; 3 Male; 5 Female; 1 Age & Sex Unknown; 1 Male; 2 Adult Male; 3 Adult Female; 3 Adult Male; 9...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	51 records, between 02/05/2001 and 13/04/2023	Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Simon Cope; Jan Wilkinson; Alan Brown; Dave Tomlinson; Matthew Ellis; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; R...	1 Female; 8 Male; 7 Female; 19 Male; 16 Female; 2 Male; 1 Male; 3 Adult Male; 1 Adult Female; 1 Adult Female; 1 Adult (Sex Unknown); 26 Adult Male; 11 Adult Female; 4 Adult Male; 4 Adult Female; 4 ...	Torch Count/Pitfall trap	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	22 records, between 02/04/1993 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Nicola Wheeler; Simon Cope; Tim Goodwin; Lesley Woodford; Dean Skrabania; Matthew Ellis; Paul Day; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Rachael	1 Male; 1 Male; 1 Female; 2 Adult (Sex Unknown); 2 Adult Male; 1 Adult Female; 1 Adult (Sex Unknown); 5 Adult Male; 1 Adult (Sex Unknown); 4 Male; 1 Adult (Sex Unknown); 1 Juvenile (Sex Unknown); J...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	22 records, between 08/05/2012 and 20/04/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Ally Whitley; Alasdair Thomson; Rachael Davis;	1 Adult Male; 1 Adult Female; 3 Adult Male; 2 Adult Male; 3 Adult Male; 2 Adult Female; 1 Adult Male; 3 Adult Female; 3 Juvenile Male; 6 Adult Male; 3 Adult Female; 1 Male; 1 Female; 1 Female; 6 Ad...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	39 records, between 02/05/2001 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope; Jan Wilkinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Nicola Wheeler; Simon Cope; Matthew Ellis; Nic...	4 Male; 1 Female; 1 Male; 5 Adult Male; 2 Adult Female; 20 Adult Male; 22 Adult Female; 8 Adult (Sex Unknown); 2 Male; 2 Female; 1 Age & Sex Unknown; 15 Male; 2 Female; 2 Age & Sex Unknown; 1 Adult...	Torch Count/Pitfall trap; Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	9 records, between 09/04/2013 and 09/04/2019	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day	2 Male; 1 Female; 1 Male; 1 Male; 1 Female; 1 Male; 1 Age & Sex Unknown; 4 Male; 1 Female; 1 Age & Sex Unknown; 2 Male; 3 Female; 14 Male; 1 Female; 1 Adult (Sex Unknown)	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	33 records, between 23/04/2003 and 11/03/2022	Simon Cope; Nicola Wheeler; Simon Cope; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Kylie Jones - Matt...	6 Male; 5 Male; 2 Age & Sex Unknown; 4 Male; 5 Female; 1 Adult Male; 2 Adult (Sex Unknown); 1 Adult Male; 3 Adult Female; 1 Adult Female; 2 Adult Male; 1 Adult Female; 4 Adult Male; 1 Adult Female; 2	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	22 records, between 02/05/2001 and 25/05/2011	Simon Cope; Nicola Wheeler; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day; Jan Wilkinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Pip Perry; Rhys Wil...	2 Male; 1 Female; 1 Male; 2 Male; 3 Adult Male; 3 Adult Female; 11 Adult Male; 16 Adult Female; 3 Adult (Sex Unknown); 25 Adult Male; 46 Adult Female; 8 Adult Male; 3 Adult Female; 1 Adult (Sex Unk...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	35 records, between 02/05/2001 and 20/04/2022	Simon Cope; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Rhys Williams; Pip Perry; Kylie Jones - Mattock; Paul Christie; Matthew McInytre; Matthew Ellis; Nicola Wheeler; Simon Cope; Karl	1 Male; 1 Female; 1 Adult Female; 12 Adult Male; 10 Adult Female; 1 Adult (Sex Unknown); 2 Adult Female; 2 Male; 2 Age & Sex Unknown; 6 Adult Male; 1 Adult Female; 1 Adult Male; 2 Adult Male; 3 Adult	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	24 records, between 14/04/2009 and 04/05/2022	Simon Cope; Nicola Wheeler; Simon Cope; Simon Cope; Matthew Ellis; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Si...	2 Male; 1 Female; 1 Female; 8 Male; 3 Age & Sex Unknown; 2 Adult Male; 3 Adult Female; 3 Adult (Sex Unknown); 1 Adult Male; 1 Adult Male; 1 Adult Female; 1 Adult (Sex Unknown); 2 Male; 1 Female; 2 ...	Torch Count; Terrestrial disturbance	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3146 *(Selected from Interactive Map)*	19 records, between 06/05/2008 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Rachael Davis; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Ally Whitley;	1 Juvenile Male; 5 Adult Male; 1 Adult Female; 1 Adult Female; 1 Adult Male; 3 Adult Male; 2 Adult Female; 1 Adult Male; Adult Female; 1 Male; 2 Female; 5 Adult Male; 3 Male; 5 Adult Male; 4 Adult...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	13 records, between 02/05/2001 and 10/04/2018	Nicola Wheeler; Simon Cope; Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Rhys Williams; Pip Perry; Kylie Jones - M...	1 Age & Sex Unknown; 4 Adult Female; 1 Adult (Sex Unknown); 3 Adult Male; 3 Adult Female; 2 Adult Male; 2 Adult Female; 15 Adult Male; 4 Adult Female; 2 Adult Male; 8 Adult Female; 39 Adult Male; 2...	Torch Count/Pitfall trap	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	14 records, between 02/05/2001 and 09/04/2019	Jan Wilkinson; Matthew Ellis; Alan Brown; Dave Tomlinson; Matthew Ellis; Dave Tomlinson; Alan Brown; Ian Hughes; Rhys Williams; Karl Martin; Kylie Jones - Mattock; Matthew Ellis; Matthew McInytre; ...	1 Adult Female; 3 Adult Male; 3 Adult Female; 4 Adult Male; 5 Adult Female; Adult Male; 58 Adult Male; 13 Adult Female; 2 Adult (Sex Unknown); 37 Adult Male; 19 Adult Female; 1 Adult (Sex Unknown);...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	19 records, between 04/08/2008 and 26/04/2023	Nicola Wheeler; Simon Cope; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope; Nicola Wheeler; Matthew Ellis; Kylie Jones - Mattock	2 Female; 2; 1 Female; 1 Adult (Sex Unknown); 1 Adult (Sex Unknown); 1 Adult Male; 1 Female; 1 Male; 1 Female; 2 Adult Female; 1 Adult (Sex Unknown); 4 Adult Male; 2 Adult Female; 1 Adult (Sex Unkn...	Torch Count/Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3146 *(Selected from Interactive Map)*	10/05/2007	Kylie Jones - Mattock; Matthew McInytre; Paul Christie	1 Adult Male	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3146 *(Selected from Interactive Map)*	33 records, between 04/08/2008 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; Lindsy Bryan; Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Alasdair Thomson; Rachael Davis; Alasdair Thomson; Ally Whitley;	5 Adult Male; 2 Adult Female; 2 Adult Male; 11 Adult Male; 9 Adult Female; 6 Adult Male; 2 Adult Female; 5 Adult Male; 9 Adult Male; 4 Adult Female; 1 Adult Male; 5 Adult Female; 3 Adult Male; 3 Ad...	Torch Count/Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	4 records, between 08/05/2012 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Julie Rose; Kim Norman; Alasdair Thomson; David Mills; Ellie Wainwright; Emma Watson; Sue Mills; Alasdair Thomson; Emma Watson; Alasdair Thomson; Sue Mills	1 Adult Male; 4 Adult Male; 2 Adult Male	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	20 records, between 05/04/2011 and 04/05/2023	Karl Martin; Leah Williams; Karl Martin; Lucie Bernardova; Paul Furnborough; Stephen Smith; Lucie Bernardova; Karl Martin; Karl Martin; Remani Jones; Karl Martin; Paul Furnborough; Paul Furnborough...	4 Adult Male; 5 Adult Female; Egg; 1 Adult Male; 1 Adult (Sex Unknown); 2 Adult Male; 4 Adult Female; Present Egg; 2 Adult (Sex Unknown); 1 Adult (Sex Unknown); 1 Adult Male; 2 Adult Male; 2 Adult...	Torch Count; Terrestrial disturbance	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	8 records, between 14/04/2009 and 04/05/2023	Alasdair Thomson; Lindsy Bryan; Jamie Thomson; Kylie Jones - Mattock; Rachel Jarvis; Remani Jones; Alasdair Thomson; Rachael Davis; Kim Norman; Alasdair Thomson; Ellie Wainwright; David Mills; Kim ...	5 Adult Male; 1 Adult Female; 1 Adult Female; 1 Adult Male; 4 Adult Male; 1 Adult Male; 1 Adult Female	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Supplied by Original Recorder)*	8 records, between 12/04/2017 and 06/04/2023	Simon Cope	1 Adult Female; 1 Adult Male; 2 Adult Male; 2 Adult Female; 1 Adult (Sex Unknown); 1 Male	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Supplied by Original Recorder)*	7 records, between 01/04/2020 and 26/04/2023	Simon Cope; Nicola Wheeler; Simon Cope	1 Adult Male; 3 Adult Male; 1 Adult Female; 1 Adult (Sex Unknown); 3 Male; 1 Female; 2 Adult Female; 1 Adult Male; 3 Adult (Sex Unknown)	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC, NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Supplied by Original Recorder)*	8 records, between 08/05/2018 and 26/04/2023	Simon Cope	23 Adult Male; 4 Adult Female; 6 Adult (Sex Unknown); 3 Adult Male; 1 Adult (Sex Unknown); 1 Female; 1 Female; 1 Adult (Sex Unknown); 2 Male; 1 Male; 1 Female; 3 Adult (Sex Unknown); 1 Adult Male; ...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC, NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	6 records, between 25/05/2011 and 10/04/2018	Simon Cope; Nicola Wheeler; Nicola Wheeler; Simon Cope; Matthew Ellis; Simon Cope; Nicola Wheeler; Matthew Ellis; Kim Norman; Paul Day	1 Female; 1 Male; 1 Female; 3 Female; 1 Adult Female; 1 Male	Torch Count; Terrestrial disturbance	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	13 records, between 08/06/1993 and 23/05/2006	Matthew Ellis; Paul Day; Dean Skrabania; Lesley Woodford; Dean Skrabania; Lesley Woodford; Jan Wilkinson; Matthew Ellis; Jan Wilkinson; Vanessa Bean; Matthew Ellis; Kim Norman; David Groom; David G...	2 Adult Male; 24 Adult Female; 7 Adult (Sex Unknown); 21 Adult Male; 27 Adult Female; 41 Adult (Sex Unknown); 9 Adult (Sex Unknown); 9 Adult Male; 12 Adult Female; 10 Adult (Sex Unknown); 3 Adult (...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA

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Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	4 records, between 15/04/2014 and 10/04/2018	Karl Martin; Kim Norman; Ian Moran; Paul Furnborough; Paul Furnborough; Kiani Perera; Keely Bigland; Kate Wilson; Paul Furnborough; Tom Hough; Charlie Philp	4 Adult Male; 1 Adult Female; 1 Adult (Sex Unknown); 1 Male; 3 Adult Male; 1 Adult Male	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	4 records, between 15/05/2012 and 28/04/2015	Kim Norman; Leah Williams; Kate Wilson; Kate Surry; Rachel Jarvis; Kim Norman; Paul Furnborough; Kiani Perera; Keely Bigland; Karl Martin; Kim Norman	1 Adult (Sex Unknown); Adult Male; 1 Adult Male; 4 Adult Male; 2 Adult Female; 1 Adult (Sex Unknown)	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	8 records, between 18/04/2013 and 04/05/2023	Kim Norman; Leah Williams; Kate Wilson; Remani Jones; Kim Norman; Remani Jones; Julie Rose; Kate Wilson; Paul Furnborough; Paul Furnborough; Stephen Smith; Paul Furnborough; Corinne Williams; Kiani...	1 Adult Male; 3 Adult Female; 2 Adult Male; 1 Juvenile (Sex Unknown); 3 Adult Male; 2 Adult Female; 1 Adult (Sex Unknown); 7 Adult Male; 2 Adult Female; 1 Adult Male; 4 Adult Female; 1 Adult Male	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	11 records, between 13/04/2006 and 12/04/2016	Kylie Jones - Mattock; Karl Martin; Remani Jones; Kate Surry; Rachel Jarvis; Remani Jones; Kim Norman; Kate Wilson; Julie Rose; Remani Jones; Kylie Jones - Mattock; Kate Wilson; Keely Bigland; Kian...	1 Adult Male; 45 Adult Male; 1 Female; 7 Adult Male; 5 Adult Male; 1 Adult Female; 3 Adult Male; 1 Adult Female; 1 Adult Male; 7 Adult Female; 4 Adult (Sex Unknown); 1 Adult Male; 2 Adult Female; 1...	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA

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Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	11 records, between 23/05/2013 and 04/05/2023	Remani Jones; Julie Rose; Kate Wilson; Ian Moran; Paul Furnborough; Ian Moran; Paul Furnborough; Emma Ellis; Emma Ellis; Paul Furnborough; Paul Furnborough; Kiani Perera; Keely Bigland; Kate Wilson...	1 Adult Female; 3 Male; 5 Female; 1 Adult Male; 1 Adult (Sex Unknown); 2 Female; 2 Adult Female; 1 Adult Male; 3 Adult Female	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	5 records, between 10/04/2018 and 04/05/2023	Paul Furnborough; Ian Moran; Ian Moran; Paul Furnborough; Paul Furnborough; Naomi Chapple-Parry; Geraint Hughes; Ian Moran; Naomi Chapple-Parry	1 Male; 1 Adult Male; 1 Adult Male; 1 Adult Female; 1 Egg; 1 Adult Male; 3 Adult Female	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA, PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Supplied by Original Recorder)*	21/04/2021	Simon Cope	1 Male; 1 Female	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	05/05/2021	Paul Furnborough; Emma Ellis	1 Female	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	2 records, between 23/04/2003 and 21/04/2005	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry, Gael Atkinson	2 Male; 2 Female; 2 Male; 8 Female		-Withheld-	-Withheld-	D0026/279/01, D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC

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Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	2 records, between 23/04/2003 and 21/04/2005	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry, Gael Atkinson	+; 4 Male; 4 Female		-Withheld-	-Withheld-	D0026/279/01, D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	2 records, between 23/04/2003 and 21/04/2005	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry, Gael Atkinson	1 ; 12 Male; 10 Female; 2 Female		-Withheld-	-Withheld-	D0026/279/01, D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	2 records, between 23/04/2003 and 21/04/2005	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry, Gael Atkinson	2 ; 1 Male; 1 Female		-Withheld-	-Withheld-	D0026/279/01, D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	2 records, between 23/04/2003 and 21/04/2005	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry, Gael Atkinson	1 ; 1 Male; 4 Female; 3 Male; 2 Female		-Withheld-	-Withheld-	D0026/279/01, D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	2 records, between 23/04/2003 and 21/04/2005	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry, Gael Atkinson	1 Male; 2 Female; 1 Female		-Withheld-	-Withheld-	D0026/279/01, D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site);Estimated (From Recorder's Map))*	2 records, between 23/04/2003 and 21/04/2005	Matthew Ellis, Alan Brown, D. Tomlinson; Philippa Perry, Gael Atkinson	1 Male; 4 Male; 1 Female		-Withheld-	-Withheld-	D0026/279/01, D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (Centroid of Site))*	23/04/2003	Matthew Ellis, Alan Brown, D. Tomlinson	3 Male		-Withheld-	-Withheld-	D0026/279/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (From Recorder's Map))*	21/04/2005	Philippa Perry, Gael Atkinson	5 Male; 2 Female		-Withheld-	-Withheld-	D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (From Recorder's Map))*	21/04/2005	Philippa Perry, Gael Atkinson	25 Male; 46 Female		-Withheld-	-Withheld-	D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Estimated (From Recorder's Map))*	21/04/2005	Philippa Perry, Gael Atkinson	18 Male; 35 Female		-Withheld-	-Withheld-	D1320/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Tadpole/Larvae/Eft, 0 Adult, 0 Juvenile, 0 Adult Male, 0 Adult Female, 0 Egg		-Withheld-	-Withheld-	D1045/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(GPS Reading)*	05/08/2003	Jan Wilkinson	0 Adult, 0 Adult Female, 0 Adult Male, 0 Juvenile, P Tadpole/Larvae/Eft, 0 Egg		-Withheld-	-Withheld-	D1045/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Tadpole/Larvae/Eft, 0 Adult, 0 Juvenile, 0 Male, 0 Female, 0 Egg		-Withheld-	-Withheld-	D1045/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(GPS Reading)*	05/08/2003	Jan Wilkinson	0 Egg, 0 Adult, 0 Juvenile, 0 Adult Male, 0 Adult Female, P Tadpole/Larvae/Eft		-Withheld-	-Withheld-	D1045/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Tadpole/Larvae/Eft, 0 Adult, 0 Juvenile, 0 Male, 0 Female, 0 Egg		-Withheld-	-Withheld-	D1045/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder)*	22/05/1992	Anon - Herpetofauna Consultants International			-Withheld-	-Withheld-	D1122/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder)*	22/05/1992	Anon - Herpetofauna Consultants International			-Withheld-	-Withheld-	D1122/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder)*	22/05/1992	Anon - Herpetofauna Consultants International			-Withheld-	-Withheld-	D1122/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder)*	22/05/1992	Anon - Herpetofauna Consultants International			-Withheld-	-Withheld-	D1122/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA

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Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder)*	22/05/1992	Anon - Herpetofauna Consultants International			-Withheld-	-Withheld-	D1122/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder)*	22/05/1992	Anon - Herpetofauna Consultants International			-Withheld-	-Withheld-	D1122/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3245 *(Supplied by Original Recorder;Approximate)*	2 records, between 1992 and 03/07/1992	Anon - Herpetofauna Consultants International; Anon - CCW	Present		-Withheld-	-Withheld-	D1122/001/01, D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3146 *(Approximate)*	11/05/1999	Jacinta Challinor, Matthew Ellis	10 ; 7 Male; 1 Female		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	29/04/1997	Ecological Survey Unit	12 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	2 records, between 29/04/1997 and 21/05/1997	Ecological Survey Unit	4 (Exact); 2 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3145 *(Approximate)*	29/05/1997	Ecological Survey Unit	1 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA

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Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	14/05/1997	Ecological Survey Unit	8 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	29/04/1997	Ecological Survey Unit	3 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	21/05/1997	Ecological Survey Unit	1 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	21/05/1997	Ecological Survey Unit	1 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	14/05/1997	Ecological Survey Unit	5 (Exact)		-Withheld-	-Withheld-	D0137/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045	1993	HCI, CCW, Clwyd Reptile and Amphibian Group	36		-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	23/04/1997	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045	Before 23/03/2007	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	14/05/1997	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045	Before 23/03/2007	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Approximate)*	21/05/1997	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3146	Before 23/03/2007	YA			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	1996	NEWW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	SW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	SW/YA			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	4 records, between 23/04/2003 and 23/03/2007	YA/SW; Recorder Name Withheld	1 adult; 1 adult M; 4 adult F		-Withheld-	-Withheld-	D1118/011/03, D1737/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC, NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	YA/SW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	YA/SW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	YA/SW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	Anon			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	YA/CCW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	YA/SW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	YA/SW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	Before 23/03/2007	YA/SW			-Withheld-	-Withheld-	D1118/011/03	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Supplied by Original Recorder)*	11/05/2011	Simon Cope; Nicola Wheeler; Matthew Ellis; Paul Day	1 Female	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Supplied by Original Recorder)*	04/08/2008	Kylie Jones - Mattock	Larva/Tadpole	Netted	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA

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Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	23/04/2003	Recorder Name Withheld	3 adult M		-Withheld-	-Withheld-	D1737/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	2 records, both on 23/04/2003	Recorder Name Withheld	2 adult M; 2 adult F		-Withheld-	-Withheld-	D1737/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	2 records, both on 23/04/2003	Recorder Name Withheld	1 adult M; 2 adult F		-Withheld-	-Withheld-	D1737/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	3 records, all on 23/04/2003	Recorder Name Withheld	1 adult; 12 adult M; 10 adult F		-Withheld-	-Withheld-	D1737/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046	2 records, both on 23/04/2003	Recorder Name Withheld	2 adult; 1 adult M		-Withheld-	-Withheld-	D1737/003/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Supplied by Original Recorder)*	01/04/2020	Simon Cope	3 Male; 5 Female; 4 Adult (Sex Unknown)	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	04/10/2019	Kate Wilson	1 Sub-adult		-Withheld-	-Withheld-	D1531/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC

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Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Selected from Interactive Map)*	09/10/2019	Kate Wilson	2 Adult Male; 4 Adult Female; 3 Sub-adult		-Withheld-	-Withheld-	D1531/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3146	12 records, between 02/05/2002 and 27/05/2004	Janet Wilkinson	1 Adult Male (Exact); 2 Adult Female (Exact); 1 Adult (Exact); 2 Adult (Exact); 23 Adult Female (Exact); 19 Adult Female (Exact); P egg/ovum (Exact); 32 Adult Male (Exact); 24 Adult Male (Exact); 1...		-Withheld-	-Withheld-	D1923/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	NA
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Selected from Interactive Map)*	April 2020	Sam Langdon	4 Adult Female		-Withheld-	-Withheld-	D1480/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Estimated (Centroid of Site))*	04/05/2022	Kate Wilson; Naomi Chapple-Parry	1 Adult Male		-Withheld-	-Withheld-	D1531/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3045 *(Estimated (Centroid of Site))*	04/05/2022	Kate Wilson; Naomi Chapple-Parry	1 Adult		-Withheld-	-Withheld-	D1531/001/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Triturus cristatus (Great Crested Newt / Madfall Ddwr Gribog)	SJ3046 *(Supplied by Original Recorder)*	2 records, between 06/04/2023 and 04/05/2023	Naomi Chapple-Parry; Geraint Hughes; Kim Norman; Ian Moran; Naomi Chapple-Parry	2 Adult Male; 2 Adult Female; 1 Adult Female	Torch Count	-Withheld-	-Withheld-	D1320/014/01	BAP, Bern2, CHS2, HDir2, HDir4, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-T, LBAP-W, S7, WCA5	PC
Troglodytes troglodytes (Wren / Dryw)	SJ3046	2 records, between 24/01/2009 and 11/04/2015	Anon; KA Walker			Johnstown	Occurrence ID: NBN-GA000656-BGBW2009-16442948-106817321; Bird Track	D1852/002/01, D1297/025/01	BAP, BDir1, Bern2, UKBA	PC

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Troglodytes troglodytes (Wren / Dryw)	SJ3246 *(Approximate)*	8 records, between 24/01/2009 and 06/06/2022	Anon; Mr James Hughes; Mrs Heather Cartwright			Sontley, pools;Middle Sontley	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106817315	D1852/002/01, D1297/039/01, D1297/050/01, D1297/047/01	BAP, BDir1, Bern2, UKBA	PC, UA
Troglodytes troglodytes (Wren / Dryw)	SJ3044	3 records, between 24/01/2009 and 11/02/2020	Anon; Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277)	1		Garden	Occurrence ID: NBN-GA000656-BGBW2009-16443268-106817424	D1852/002/01, D0346/001/01, D0346/003/01	BAP, BDir1, Bern2, UKBA	PC, UA
Troglodytes troglodytes (Wren / Dryw)	SJ3145	2009	Anon					D1775/001/02	BAP, BDir1, Bern2, UKBA	NA
Troglodytes troglodytes (Wren / Dryw)	SJ3146	3 records, between 04/08/2017 and 10/10/2019	Trevor B Taylor; Mrs Norma Williams; Dr Anne Brenchley			Rhosllanerchrugog, Brick works;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP	BirdTrack	D1297/025/01, D1297/026/01	BAP, BDir1, Bern2, UKBA	PC
Troglodytes troglodytes (Wren / Dryw)	SJ307459 *(Approximate)*	28/01/2022	Kate Wilson	1 Full-Grown		Aberderfyn		D1531/001/01	BAP, BDir1, Bern2, UKBA	UA
Turdus iliacus (Redwing / Coch Dan Adain)	SJ3044	02/01/2020	Recorder name withheld (obsr1506277)	5		Garden		D0346/001/01	BDir2.2, LBAP-C, RL-CR, UKBA, WBA, WCA1.1	UA
Turdus philomelos (Song Thrush / Bronfraith)	SJ3246	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16444298-106817316	D1852/002/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC
Turdus philomelos (Song Thrush / Bronfraith)	SJ3146 *(Approximate)*	5 records, between 11/04/2009 and 11/10/2020	Mr Steven Davies; Neil Hughes; Mrs Norma Williams; Dr Anne Brenchley	1	Reported to recorder	Bonc-yr-Hafod;Rhosllanerchrugog, Brick works;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP	Survey: Observer data; Roving. Activity: S. Survey: Observer data	D1297/039/01, D0062/008/01, D1297/026/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	PC, NA
Turdus philomelos (Song Thrush / Bronfraith)	SJ3044	02/01/2020	Recorder name withheld (obsr1506277)	1		Garden		D0346/001/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Turdus philomelos (Song Thrush / Bronfraith)	SJ3145	2009	Anon					D1775/001/02	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	NA
Turdus philomelos (Song Thrush / Bronfraith)	SJ3046	18/05/2011	Neil Hughes	4	Reported to recorder	Johnstown	Activity: S. Survey: Observer data	D0062/008/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	NA
Turdus philomelos (Song Thrush / Bronfraith)	SJ307459 *(Approximate)*	28/01/2022	Kate Wilson	1 Full-Grown		Aberderfyn		D1531/001/01	BAP, BDir2.2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, LBAP-W, S7, UKBA, WBA	UA
Turdus pilaris (Fieldfare / Socan Eira)	SJ3044	02/01/2020	Recorder name withheld (obsr1506277)	3		Garden		D0346/001/01	BDir2.2, LBAP-C, RL-PX, UKBR, WBA, WCA1.1	UA
Vanellus vanellus (Lapwing / Cornchwiglen)	SJ3246	2 records, between 12/06/2005 and 11/06/2011	John Rushton; Neil Hughes	2; 1	Reported to recorder	Sontley, pools	Survey: Observer data; Activity: A. Survey: Observer data	D0062/008/01	BAP, BDir2.2, Bonn2, LBAP-A, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, RL-EN, RL-VU, S7, UKBR, WBR	NA

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Category 2 Species										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Accipiter nisus (Sparrowhawk / Gwalch Glas)	SJ307459 *(Approximate)*	04/12/2020	Emma Ellis	1 Male	Live Sighting	Aberderfyn	On woodland trail	D1531/001/01	Bonn2, CITES-A, LBAP-C, RL-NT, UKBA	UA
Accipiter nisus (Sparrowhawk / Gwalch Glas)	SJ3044	2 records, between 29/05/2011 and 28/12/2019	Recorder Name withheld (obsr1506277); Neil Hughes	1	Reported to recorder	Garden;Ruabon, N	Survey: Observer data	D0346/003/01, D0062/008/01	Bonn2, CITES-A, LBAP-C, RL-NT, UKBA	UA, NA
Accipiter nisus (Sparrowhawk / Gwalch Glas)	SJ3146	3 records, between 26/04/2013 and 04/08/2017	Glenn E Morris; Trevor B Taylor	1		Rhosllanerchrugog, Brick works	BirdTrack; BirdTrack. Activty: H	D1297/025/01	Bonn2, CITES-A, LBAP-C, RL-NT, UKBA	PC
Accipiter nisus (Sparrowhawk / Gwalch Glas)	SJ3246 *(Approximate)*	02/04/2022	Mrs Heather Cartwright			Middle Sontley		D1297/050/01	Bonn2, CITES-A, LBAP-C, RL-NT, UKBA	UA
Actitis hypoleucos (Common Sandpiper / Pibydd y Dorlan)	SJ3246 *(Approximate)*	2 records, between 24/04/2020 and 08/04/2021	Mr James Hughes; Mrs Heather Cartwright	2; 1		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01	Bonn2, RL-VU, UKBA, WBA	PC, UA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ3044	4 records, between 24/01/2009 and 11/02/2020	Recorder name withheld (obsr1506277); Anon; Steven Davies	6; 7; 2		Garden;Ruabon, N	Occurrence ID: NBN-GA000656-BGBW2009-16443032-106734434; BirdTrack	D0346/001/01, D1852/002/01, D1297/025/01	WBA	UA, PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ307459 *(Approximate)*	28/01/2022	Kate Wilson	2 Full-Grown		Aberderfyn		D1531/001/01	WBA	UA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ3246 *(Approximate)*	5 records, between 24/01/2009 and 02/05/2022	Mr James Hughes; Anon; Mrs Heather Cartwright	4+; 6+		Sontley, pools;Middle Sontley	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106734516	D1297/047/01, D1297/050/01, D1852/002/01	WBA	UA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ321463 *(Selected from Interactive Map)*	04/10/2016	Gordon Plater	5+		Ruabon	Middle sontley	D1117/001/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ3046	2 records, between 24/01/2009 and 11/04/2015	Anon; KA Walker			Johnstown	Occurrence ID: NBN-GA000656-BGBW2009-16443121-106734545; Bird Track	D1852/002/01, D1297/025/01	WBA	PC
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ3145	2009	Anon					D1775/001/02	WBA	NA
Aegithalos caudatus (Long-tailed Tit / Titw Cynffon-Hir)	SJ3146	4 records, between 14/09/2007 and 10/10/2019	Peter Lawton; Trevor B Taylor; Mrs Norma Williams; Dr Anne Brenchley			Rhosllanerchrugog, Brick works;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP	Birdtrack; BirdTrack	D1297/025/01, D1297/026/01	WBA	PC
Agelastica alni (Alder Leaf Beetle)	SJ308464 *(Selected from Interactive Map)*	27/09/2017	Alasdair Thomson	50+ Adult		Bonc y Hafod Country Park		D1117/001/01	RDB-NR, RL-DD	UA
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ3246 *(Approximate)*	19 records, between 12/06/2005 and 23/09/2022	Mr James Hughes; Mrs Heather Cartwright; John Rushton	24; 16; 8; 6; 2; 1; 3; 12; 4; 20+; 5+	Reported to recorder	Sontley, pools;Middle Sontley	Survey: Observer data	D1297/039/01, D1297/047/01, D1297/050/01, D0062/008/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	PC, UA, NA
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ3145	2009	Anon					D1775/001/02	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	NA
Anas platyrhynchos (Mallard / Hwyaden Wyllt)	SJ3044	2 records, between 01/02/2013 and 25/01/2014	Steven Davies	8; 20+		Ruabon, N	BirdTrack	D1297/025/01	BDir2.1, Bonn2, LBAP-C, LBAP-G, RL-NT, UKBA, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Anser anser (Greylag Goose / Gwydd Wyllt)	SJ3246 *(Approximate)*	14 records, between 25/03/2020 and 19/03/2022	Mr James Hughes; Mrs Heather Cartwright	8; 2; 4; 5; 1; 3		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	BDir2.1, Bonn2, LBAP-C, UKBA, WCA1.2	PC, UA
Apus apus (Swift / Gwennol Ddu)	SJ3246 *(Approximate)*	2 records, between 08/06/2020 and 06/06/2022	Mr James Hughes; Mrs Heather Cartwright	8		Sontley, pools;Middle Sontley		D1297/039/01, D1297/050/01	RL-EN, UKBR, WBA	PC, UA
Apus apus (Swift / Gwennol Ddu)	SJ3044	2 records, between 29/05/2011 and 23/08/2016	JA Jackson; Neil Hughes	1; 3	Reported to recorder	Ruabon, N	Late sighting. Survey: Observer data; Survey: Observer data	D0062/008/01	RL-EN, UKBR, WBA	NA
Ardea cinerea (Grey Heron / Crëyr Glas)	SJ3044	2 records, between 28/12/2019 and 02/01/2020	Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277)	1		Garden		D0346/001/01, D0346/003/01	RL-NT	UA
Ardea cinerea (Grey Heron / Crëyr Glas)	SJ3246 *(Approximate)*	4 records, between 25/05/2021 and 23/09/2022	Mr James Hughes	2; 1		Sontley, pools		D1297/047/01, D1297/050/01	RL-NT	UA
Ardea cinerea (Grey Heron / Crëyr Glas)	SJ3081946277 *(GPS Reading)*	07/07/2003	Jan Wilkinson	Present		Pond SLH9		D1045/001/01	RL-NT	NA
***Aythya ferina* (Pochard / Hwyaden Bengoch)**	SJ34	**01/04/2007**	**Norman Hallas**	**1 Male**	**Reported to recorder**	**-Withheld-**	**-Withheld-**	D0062/008/01	**BDir2.1, Bonn2, GBNNSIP, LBAP-C, RL-EN, UKBR, WBR**	**NA**
Aythya fuligula (Tufted Duck / Hwyaden Gopog)	SJ3045	3 records, between 15/03/2007 and 01/04/2007	Norman Hallas	15; 6 Female; 6 Male	Reported to recorder	Ruabon, New Hall	Survey: Observer data	D0062/008/01	BDir2.1, Bonn2, LBAP-C, WBA	NA
Aythya fuligula (Tufted Duck / Hwyaden Gopog)	SJ3044 *(Approximate)*	6 records, between 19/03/2011 and 12/02/2022	Neil Hughes; Steven Davies; Mr Steven Davies	1 Male; 5 Female; 9 Male; 6; 1	Reported to recorder	Ruabon, N	Survey: Observer data; Activity: P. Survey: Observer data; BirdTrack	D0062/008/01, D1297/025/01, D1297/050/01	BDir2.1, Bonn2, LBAP-C, WBA	NA, PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Aythya fuligula (Tufted Duck / Hwyaden Gopog)	SJ3246 *(Approximate)*	2 records, between 27/02/2022 and 23/09/2022	Mr James Hughes	2; 1		Sontley, pools		D1297/050/01	BDir2.1, Bonn2, LBAP-C, WBA	UA
Carex pseudocyperus (Cyperus Sedge / Hesgen Gynffonnog)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LR], LI-52[LR], LI-VP-48[LR], LI-VP-49[LR], LI-VP-51[LS], LI-VP-52[LS], WRL-VP[NT]	NA
Chloris chloris (Greenfinch / Llinos Werdd)	SJ3044	3 records, between 24/01/2009 and 11/02/2020	Recorder name withheld (obsr1506277); Anon	2; 1		Garden	Occurrence ID: NBN-GA000656-BGBW2009-16443207-105771274	D0346/001/01, D1852/002/01	Bern2, LBAP-C, RL-EN, UKBR	UA, PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ3246	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16444298-105771210	D1852/002/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ3046	2 records, between 24/01/2009 and 11/04/2015	Anon; KA Walker			Johnstown	Occurrence ID: NBN-GA000656-BGBW2009-16443121-105771318; Bird Track	D1852/002/01, D1297/025/01	Bern2, LBAP-C, RL-EN, UKBR	PC
Chloris chloris (Greenfinch / Llinos Werdd)	SJ3245	11/06/2011	Neil Hughes	1	Reported to recorder	Gyfelia	Survey: Observer data	D0062/008/01	Bern2, LBAP-C, RL-EN, UKBR	NA
Columba oenas (Stock Dove / Colomen Wyllt)	SJ3246 *(Approximate)*	6 records, between 25/07/2020 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright	1; 2; 3; 4		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	BDir2.2, LBAP-G, UKBA	PC, UA
Columba oenas (Stock Dove / Colomen Wyllt)	SJ3146	04/08/2017	Trevor B Taylor			Rhosllanerchrugog, Brick works	BirdTrack	D1297/025/01	BDir2.2, LBAP-G, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ3246 *(Approximate)*	18 records, between 24/01/2009 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright; Anon	1+		Sontley, pools;Middle Sontley	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106987168	D1297/039/01, D1297/047/01, D1852/002/01, D1297/050/01	BDir2.1, UKBA	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Columba palumbus (Woodpigeon / Ysguthan)	SJ3146 *(Approximate)*	5 records, between 20/12/2014 and 11/10/2020	Mr Steven Davies; Steven Davies; Trevor B Taylor; Mrs Norma Williams; Dr Anne Brenchley	1		Bonc-yr-Hafod;Rhosllanerchrugog, Brick works;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP	BirdTrack	D1297/039/01, D1297/025/01, D1297/026/01	BDir2.1, UKBA	PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ3044 *(Approximate)*	4 records, between 24/01/2009 and 12/02/2022	Recorder name withheld (obsr1506277); Anon; Mr Steven Davies	2; 6+		Garden;Ruabon, N	Occurrence ID: NBN-GA000656-BGBW2009-16443032-106987097	D0346/001/01, D1852/002/01, D1297/050/01	BDir2.1, UKBA	UA, PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ307459 *(Approximate)*	28/01/2022	Kate Wilson	2 Full-Grown		Aberderfyn		D1531/001/01	BDir2.1, UKBA	UA
Columba palumbus (Woodpigeon / Ysguthan)	SJ3046	2 records, between 23/03/2011 and 11/04/2015	Recorder Name withheld (obsr2393644); KA Walker	1		B5426, Johnstown, Wrexham;Johnstown	Bird Track	D0346/003/01, D1297/025/01	BDir2.1, UKBA	UA, PC
Columba palumbus (Woodpigeon / Ysguthan)	SJ3045	2 records, between 01/12/2006 and 25/01/2009	Anon; JA Jackson	2000	Reported to recorder	Ruabon, New Hall	Occurrence ID: NBN-GA000656-BGBW2009-16442655-106987107; due SW. Survey: Observer data	D1852/002/01, D0062/008/01	BDir2.1, UKBA	PC, NA
Corvus frugilegus (Rook / Ydfran)	SJ3246 *(Approximate)*	2 records, between 04/05/2020 and 09/04/2021	Mr James Hughes; Mrs Heather Cartwright			Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01	BDir2.2, RL-NT, UKBA	PC, UA
Corvus frugilegus (Rook / Ydfran)	SJ317452	26/10/2016	Martyn Harris		Field record	Fields North east of Ruabon, Denbighshire		D0969/001/05	BDir2.2, RL-NT, UKBA	UA
Curruca communis (Whitethroat / Llwydfron)	SJ3146	3 records, between 28/05/2006 and 03/05/2019	Neil Hughes; Mrs Norma Williams	4; 6	Reported to recorder	Rhosllanerchrugog, Brick works;Denbighshire, Rhosllanerchrugog, Brick works;Bonc-Y-Hafod	Survey: Observer data	D0062/008/01, D1297/026/01	LBAP-C, UKBA, WBA	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Curruca communis (Whitethroat / Llwydfron)	SJ3246 *(Approximate)*	02/05/2022	Mrs Heather Cartwright	1		Middle Sontley		D1297/050/01	LBAP-C, UKBA, WBA	UA
Cygnus olor (Mute Swan / Alarch Dof)	SJ3246 *(Approximate)*	9 records, between 04/05/2020 and 23/09/2022	Mr James Hughes	2		Sontley, pools		D1297/039/01, D1297/050/01	BDir2.2, Bonn2, GBNNSIP, LBAP-C, WBA	PC, UA
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ3246 *(Approximate)*	10 records, between 21/04/2020 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright	5+; c20; 8+; 14; 10+; 1; 5; 6+; 8		Sontley, pools;Middle Sontley	Breeding details: Visiting probable nest site (N)	D1297/039/01, D1297/047/01, D1297/050/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	PC, UA
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ3044	29/05/2011	Neil Hughes	12	Reported to recorder	Ruabon, N	Survey: Observer data	D0062/008/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	NA
Delichon urbicum (House Martin / Gwennol y Bondo)	SJ3245	11/06/2011	Neil Hughes	4	Reported to recorder	Gyfelia	Activity: ON. Survey: Observer data	D0062/008/01	Bern2, LBAP-C, RL-VU, UKBR, WBA	NA
Euphrasia nemorosa (Common Eyebright / Effros)	SJ30854647	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Large patch of tall plants at SJ30858 46473. Lowest Floral Node always above 10.	D1169/004/04	LI-50[LR], LI-VP-50[LNS], RL-NT	NA
Fulica atra (Coot / Cwtiar)	SJ3246 *(Approximate)*	18 records, between 12/06/2005 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright; John Rushton	2; 4; 3; 6; 1; 8; 5	Reported to recorder	Sontley, pools;Middle Sontley	Survey: Observer data	D1297/039/01, D1297/047/01, D1297/050/01, D0062/008/01	BDir2.1, RL-NT	PC, UA, NA
Fulica atra (Coot / Cwtiar)	SJ3044 *(Approximate)*	3 records, between 01/02/2013 and 12/02/2022	Steven Davies; Mr Steven Davies	2; 5; 1		Ruabon, N	BirdTrack	D1297/025/01, D1297/050/01	BDir2.1, RL-NT	PC, UA
Gallinago gallinago (Snipe / Gïach Cyffredin)	SJ31294617 *(Selected from Interactive Map)*	22/11/2022	Tom Knight	6		Field by Hafod Road		D1696/001/01	BDir2.1, Bonn2, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-NT, UKBA, WBA	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Gallinago gallinago (Snipe / Gïach Cyffredin)	SJ3045	15/03/2007	Norman Hallas	2	Reported to recorder	Ruabon, New Hall	in reedbed (flew off). Survey: Observer data	D0062/008/01	BDir2.1, Bonn2, LBAP-A, LBAP-C, LBAP-D, LBAP-F, LBAP-G, RL-NT, UKBA, WBA	NA
Gallinula chloropus (Moorhen / Iar Ddwr)	SJ3246 *(Approximate)*	9 records, between 27/04/2020 and 02/04/2022	Mr James Hughes; Mrs Heather Cartwright	1; 2		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	BDir2.2, Bonn2, RL-VU, UKBA	PC, UA
Gallinula chloropus (Moorhen / Iar Ddwr)	SJ3044	3 records, between 29/05/2011 and 25/01/2014	Neil Hughes; Steven Davies	1 Adult; 3 Juvenile; 2	Reported to recorder	Ruabon, N	Survey: Observer data; BirdTrack	D0062/008/01, D1297/025/01	BDir2.2, Bonn2, RL-VU, UKBA	NA, PC
Hirundo rustica (Swallow / Gwennol)	SJ3246 *(Approximate)*	16 records, between 11/06/2011 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright; Neil Hughes	15; 10+; 4; 5; 1; 10; 2; 22; 12+; 3	Reported to recorder	Sontley, pools;Middle Sontley	Activity: FL. Survey: Observer data	D1297/039/01, D1297/047/01, D0062/008/01, D1297/050/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC, UA, NA
Hirundo rustica (Swallow / Gwennol)	SJ3044	29/05/2011	Neil Hughes	8	Reported to recorder	Ruabon, N	Survey: Observer data	D0062/008/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	NA
Hirundo rustica (Swallow / Gwennol)	SJ3245	11/06/2011	Neil Hughes	4	Reported to recorder	Gyfelia	Activity: N. Survey: Observer data	D0062/008/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	NA
Hirundo rustica (Swallow / Gwennol)	SJ3146	3 records, between 14/09/2007 and 03/05/2019	Peter Lawton; Trevor B Taylor; Mrs Norma Williams			Rhosllanerchrugog, Brick works;Bonc-Y-Hafod	Birdtrack; BirdTrack	D1297/025/01, D1297/026/01	Bern2, LBAP-A, LBAP-C, LBAP-G, WBA	PC
Ischnura pumilio (Scarce Blue-tailed Damselfly / Mursen Dinlas Fach)	SJ31044643 *(Selected from Interactive Map)*	21/06/2017	Susan Loose	4 Adult	Live Sighting	Hafod banks		D1117/001/01	LBAP-E, LBAP-G, RL-NT	KC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ischnura pumilio (Scarce Blue-tailed Damselfly / Mursen Dinlas Fach)	SJ30824647 *(Selected from Interactive Map)*	21/06/2017	Susan Loose	2 Adult	Live Sighting	Hafod banks		D1117/001/01	LBAP-E, LBAP-G, RL-NT	KC
Larus fuscus (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3246 *(Approximate)*	5 records, between 27/04/2020 and 19/03/2022	Mr James Hughes; Mrs Heather Cartwright	1; 5; 1+		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	BDir2.2, LBAP-C, LBAP-E, LBAP-G, RL-DD, UKBA, WBA	PC, UA
Larus fuscus (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3145	24/01/2014	Mark T Breaks	35		Johnstown, SE	BirdTrack	D1297/025/01	BDir2.2, LBAP-C, LBAP-E, LBAP-G, RL-DD, UKBA, WBA	PC
Larus fuscus (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ315450	11/10/2012	Martyn Harris	50	Field record	Fields South west of Erddig Hall (North east of Ruabon), Wrexham		D0969/001/05	BDir2.2, LBAP-C, LBAP-E, LBAP-G, RL-DD, UKBA, WBA	PC
Larus fuscus (Lesser Black-backed Gull / Gwylan Gefnddu Leiaf)	SJ3146	03/05/2019	Mrs Norma Williams			Bonc-Y-Hafod		D1297/026/01	BDir2.2, LBAP-C, LBAP-E, LBAP-G, RL-DD, UKBA, WBA	PC
Larus glaucoides (Iceland Gull / Gwylan yr Arctig)	SJ3145	24/01/2014	Mark T Breaks	1		Johnstown, SE	Birdtrack. 1w	D1297/025/01	RL-VU, UKBA	PC
Larus glaucoides (Iceland Gull / Gwylan yr Arctig)	SJ3045	24/01/2014	Anon			Ruabon, New Hall	Birdtrack.	D1297/025/01	RL-VU, UKBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lepidium campestre (Field Pepperwort / Pupurlys y Maes)	SJ31114603	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. Several plants on a pile of rubble	D1169/004/04	GBNNSIP, LI-49[LR], LI-50[LR], LI-51[LS], LI-VP-49[LR], LI-VP-50[LS], LI-VP-51[LR], WRL-VP[VU]	NA
Lepidium latifolium (Dittander / Pupurlys Llydanddail)	SJ306459	07/07/2011	Phillips, J.			Black Brook	E of Johnstown. Old industrial site.	D1169/004/04	LBAP-C, LBAP-F, RDB-NS	NA
Lepidium latifolium (Dittander / Pupurlys Llydanddail)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 1	D1531/001/01	LBAP-C, LBAP-F, RDB-NS	PC
Periparus ater (Coal Tit / Titw Penddu)	SJ3044	5 records, between 24/01/2009 and 11/02/2020	Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277); Anon; Steven Davies	1; 2		Garden;Ruabon, N	Occurrence ID: NBN-GA000656-BGBW2009-16443032-106179419; BirdTrack	D0346/001/01, D0346/003/01, D1852/002/01, D1297/025/01	Bern2, LBAP-C, WBA	UA, PC
Periparus ater (Coal Tit / Titw Penddu)	SJ3146 *(Approximate)*	3 records, between 07/03/1997 and 10/10/2019	Mrs Shirley Williams; Mrs Norma Williams; Dr Anne Brenchley			Hafod Woodlands;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP		D1297/042/01, D1297/026/01	Bern2, LBAP-C, WBA	PC
Periparus ater (Coal Tit / Titw Penddu)	SJ3246	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16444298-106179629	D1852/002/01	Bern2, LBAP-C, WBA	PC
Phalacrocorax carbo (Cormorant / Mulfran)	SJ3246 *(Approximate)*	9 records, between 24/04/2020 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright	1; 2; 4		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	LBAP-C, LBAP-G, RL-NT, WBA	PC, UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Phalacrocorax carbo (Cormorant / Mulfran)	SJ320463 *(Selected from Interactive Map)*	04/10/2016	Gordon Plater	1		Ruabon	Middle sontley fisheries	D1117/001/01	LBAP-C, LBAP-G, RL-NT, WBA	PC
Phylloscopus trochilus (Willow Warbler / Telor yr Helyg)	SJ3146	5 records, between 01/06/2007 and 03/05/2019	Neil Hughes; Trevor B Taylor; Mrs Norma Williams	2; 4; 5	Reported to recorder	Rhosllanerchrugog, Brick works;Bonc-Y-Hafod	Survey: Observer data; Roving record. Survey: Observer data; Roving. Activity: T. Survey: Observer data; BirdTrack	D0062/008/01, D1297/025/01, D1297/026/01	LBAP-C, UKBA, WBR	NA, PC
Phylloscopus trochilus (Willow Warbler / Telor yr Helyg)	SJ3046	2 records, between 18/05/2011 and 11/04/2015	Neil Hughes; KA Walker	3	Reported to recorder	Johnstown	Activity: FF. Survey: Observer data; Bird Track	D0062/008/01, D1297/025/01	LBAP-C, UKBA, WBR	NA, PC
Picus viridis (Green Woodpecker / Cnocell Werdd)	SJ307459 *(Approximate)*	3 records, between 24/11/2015 and 08/10/2021	Emma Ellis; Kate Wilson; Karl Martin	1 Full-Grown; 1	Auditory record	Aberderfyn	Heard calling	D1531/001/01	Bern2, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, WBA	PC
Picus viridis (Green Woodpecker / Cnocell Werdd)	SJ3246 *(Approximate)*	09/04/2021	Mrs Heather Cartwright			Middle Sontley		D1297/047/01	Bern2, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-G, WBA	PC
Pinus sylvestris (Scots Pine / Pinwydden yr Alban)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	RDB-NS	NA
Podiceps cristatus (Great Crested Grebe / Gwyach Fawr Gopog)	SJ3044	4 records, between 19/03/2011 and 25/01/2014	Neil Hughes; Steven Davies	1 Adult; 3 Juvenile; 2; 1	Reported to recorder	Ruabon, N	Survey: Observer data; Activity: P. Survey: Observer data; Birdtrack. Monks Pool	D0062/008/01, D1297/025/01	LBAP-C, RL-VU	NA, PC
Regulus regulus (Goldcrest / Dryw Eurben)	SJ3246 *(Approximate)*	2 records, between 24/04/2020 and 27/04/2020	Mr James Hughes	1		Sontley, pools		D1297/039/01	Bern2, LBAP-C, WBA	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Regulus regulus (Goldcrest / Dryw Eurben)	SJ3146 *(Approximate)*	3 records, between 07/03/1997 and 11/10/2020	Mr Steven Davies; Mrs Shirley Williams; Dr Anne Brenchley	2		Bonc-yr-Hafod;Hafod Woodlands;SJ3145 Bonc-y-Hafod CP		D1297/039/01, D1297/042/01, D1297/026/01	Bern2, LBAP-C, WBA	PC
Regulus regulus (Goldcrest / Dryw Eurben)	SJ3044	02/01/2020	Recorder name withheld (obsr1506277)	1		Garden		D0346/001/01	Bern2, LBAP-C, WBA	UA
Riparia riparia (Sand Martin / Gwennol y Glennydd)	SJ3246 *(Approximate)*	09/04/2021	Mrs Heather Cartwright	10		Middle Sontley		D1297/047/01	Bern2, LBAP-C, LBAP-D, LBAP-F, LBAP-G, WBA	UA
Sinapis arvensis (Charlock / Mwstard Gwyllt)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	GBNNSIP, WRL-VP[VU]	NA
Sinapis arvensis (Charlock / Mwstard Gwyllt)	SJ31114603	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. Several plants on a pile of rubble	D1169/004/04	GBNNSIP, WRL-VP[VU]	NA
Sinapis arvensis (Charlock / Mwstard Gwyllt)	SJ3146	07/10/2018	Stead, M.O.			Bonc-yr-Hafod		D1169/004/04	GBNNSIP, WRL-VP[VU]	NA
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ3246 *(Approximate)*	4 records, between 24/01/2009 and 26/05/2020	Mr James Hughes; Anon; Neil Hughes	1; 5	Reported to recorder	Sontley, pools	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106179631; Survey: Observer data	D1297/039/01, D1852/002/01, D0062/008/01	BDir2.2, GBNNSIP, RL-NT	PC, NA
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ3044	4 records, between 24/01/2009 and 11/02/2020	Recorder name withheld (obsr1506277); Anon; Neil Hughes	2; 3	Reported to recorder	Garden;Ruabon, N	Occurrence ID: NBN-GA000656-BGBW2009-16443032-106179420; Survey: Observer data	D0346/001/01, D1852/002/01, D0062/008/01	BDir2.2, GBNNSIP, RL-NT	UA, PC, NA
Streptopelia decaocto (Collared Dove / Turtur Dorchog)	SJ3046	2 records, between 24/01/2009 and 23/03/2011	Recorder Name withheld (obsr2393644); Anon	1		B5426, Johnstown, Wrexham	Occurrence ID: NBN-GA000656-BGBW2009-16442803-106179337	D0346/003/01, D1852/002/01	BDir2.2, GBNNSIP, RL-NT	UA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Sympetrum striolatum (Common Darter / Gwäell Gyffredin)	SJ307459 *(Approximate)*	3 records, between 02/07/2014 and 08/10/2021	Emma Ellis; Kate Wilson; Nigel Douglas	1 Adult Female; 3; 1		Aberderfyn		D1531/001/01	LBAP-E, RL-DD	PC
Sympetrum striolatum (Common Darter / Gwäell Gyffredin)	SJ307461 *(Estimated (Centroid of Site))*	3 records, all on 20/06/2022	Naomi Chapple-Parry	3		Aberderfryn	Flying around overflown culvert.	D1531/001/01	LBAP-E, RL-DD	PC
Sympetrum striolatum (Common Darter / Gwäell Gyffredin)	SJ309454	2 records, both on 02/09/2008	Peter Heywood	6-20 Adult; 2 Ovipositing female	Field record	Hafod Nature Reserve, Johnstown, Wrexham		D1295/001/05	LBAP-E, RL-DD	NA
Sympetrum striolatum (Common Darter / Gwäell Gyffredin)	SJ3146	05/09/2021	Higginson-Tranter, Dave	2 Adult		Bonc Yr Hafod Wood	Habitat: Woodland	D1295/001/05	LBAP-E, RL-DD	NA
Theridiosoma gemmosum (Ray Spider)	SJ310466	31/05/2022	Bryan Formstone	1f	Vacuum	Hafod Banks	Pond edge	D1275/005/01	RDB-NS	PC
Turdus viscivorus (Mistle Thrush / Brych y Coed)	SJ3246 *(Approximate)*	08/06/2020	Mr James Hughes	1		Sontley, pools		D1297/039/01	BDir2.2, RL-VU, UKBR	PC
Turdus viscivorus (Mistle Thrush / Brych y Coed)	SJ3146	20/12/2014	Steven Davies	1		Rhosllanerchrugog, Brick works	BirdTrack	D1297/025/01	BDir2.2, RL-VU, UKBR	PC

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Category 3 Species										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Acer campestre (Field Maple / Masarnen Fach)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-48[LS], LI-49[LS], LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland track	D1169/004/04	LI-48[LS], LI-49[LS], LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ31064614	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LI-48[LS], LI-49[LS], LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ3144	29/09/2014	Shanklin, J.			Pentre-clawdd		D1169/004/04	LI-48[LS], LI-49[LS], LI-VP-48[LS], LI-VP-49[LS]	NA
Acer campestre (Field Maple / Masarnen Fach)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 1	D1531/001/01	LI-48[LS], LI-49[LS], LI-VP-48[LS], LI-VP-49[LS]	PC
Aeshna cyanea (Southern Hawker / Gwas Neidr y De)	SJ309454	02/09/2008	Peter Heywood	2 Adult	Field record	Hafod Nature Reserve, Johnstown, Wrexham		D1295/001/05	LBAP-E	NA
Aeshna cyanea (Southern Hawker / Gwas Neidr y De)	SJ3146	05/09/2021	Higginson-Tranter, Dave	1 Adult		Bonc Yr Hafod Wood	Habitat: Woodland	D1295/001/05	LBAP-E	PC
Aeshna grandis (Brown Hawker / Gwas Neidr Brown)	SJ309454	2 records, both on 02/09/2008	Peter Heywood	2-5 Adult; 1 Ovipositing female	Field record	Hafod Nature Reserve, Johnstown, Wrexham		D1295/001/05	LBAP-E, LBAP-G	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Aeshna grandis (Brown Hawker / Gwas Neidr Brown)	SJ3082646387 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH5 - Hafod Mitigation Ponds	Ovipositing	D1045/001/01	LBAP-E, LBAP-G	NA
Aeshna grandis (Brown Hawker / Gwas Neidr Brown)	SJ3085046392 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH4 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E, LBAP-G	NA
Anax imperator (Emperor Dragonfly / Ymerawdwr)	SJ307461 *(Estimated (Centroid of Site))*	15/07/2022	Naomi Chapple-Parry	1		Aberderfryn		D1531/001/01	LBAP-E	PC
Anax imperator (Emperor Dragonfly / Ymerawdwr)	SJ30724609 *(Selected from Interactive Map)*	02/07/2014	Karl Martin	1 Adult Female	Live Sighting	Aberderfyn Nature Reserve	Seen hunting around small ponds created for amphibian conservation	D1531/001/01	LBAP-E	PC
Argynnis paphia (Silver-washed Fritillary / Britheg Arian)	SJ312466	12/08/2021	A.N. & J.E.Graham	1		Bonc-yr-Hafod CP	patrolling up and down a ride	D1858/004/01	LBAP-C, LBAP-F	NA
Avena fatua (Wild-oat / Ceirchen Wyllt)	SJ3044	29/09/2014	Shanklin, J.			Rhiwabon North		D1169/004/04	GBNNSIP, LI-49[LR], LI-VP-49[LR]	NA
Blackstonia perfoliata (Yellow-wort / Y Ganrhi Felen)	SJ307459 *(Approximate)*	2 records, between Summer 2011 and 22/07/2016	Tom Brannigan; Joe Phillips	Present		Aberderfyn	Found in field 1	D1531/001/01	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-52[LS]	PC
Blackstonia perfoliata (Yellow-wort / Y Ganrhi Felen)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-52[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Blackstonia perfoliata (Yellow-wort / Y Ganrhi Felen)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-52[LS]	NA
Bolboschoenus maritimus (Sea Club-rush / Ysbigfrwynen y Morfa)	SJ30974641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds. A few plants in NE of pond. Origin??	D1169/004/04	LI-50[LS], LI-VP-50[LNS]	NA
Bombus lapidarius (Red-tailed Bumblebee)	SJ312467	31/03/2005	J.B. Formstone	1 Adult		Hafod bank (LNR)	Method: Daytime observation	D1650/001/02	LBAP-F	NA
Bombus pratorum (Early Bumblebee)	SJ312467	31/03/2005	J.B. Formstone	1 Adult		Hafod bank (LNR)	Method: Daytime observation	D1650/001/02	LBAP-F	NA
Bombus terrestris (Buff-tailed Bumblebee)	SJ312467	31/03/2005	J.B. Formstone	2 Adult		Hafod bank (LNR)	Method: Daytime observation	D1650/001/02	LBAP-F	NA
Bromopsis ramosa (Hairy-brome / Pawrwellt Blewog)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	LI-48[LS], LI-VP-48[LS]	NA
Buteo buteo (Buzzard / Bwncath)	SJ3246 *(Approximate)*	8 records, between 24/04/2020 and 02/05/2022	Mr James Hughes; Mrs Heather Cartwright	1		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	Bonn2, CITES-A, LBAP-C	PC, UA
Buteo buteo (Buzzard / Bwncath)	SJ3146 *(Approximate)*	9 records, between 07/03/1997 and 10/10/2019	Mrs Shirley Williams; Neil Hughes; Peter Lawton; Ian M Spence; Trevor B Taylor; Mrs Norma Williams; Dr Anne Brenchley	1; 2	Reported to recorder	Hafod Woodlands;Denbighshire, Rhosllanerchrugog, Brick works;Rhosllanerchrugog, Brick works;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP	Survey: Observer data; Birdtrack; BirdTrack	D1297/042/01, D0062/008/01, D1297/025/01, D1297/026/01	Bonn2, CITES-A, LBAP-C	PC, NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Buteo buteo (Buzzard / Bwncath)	SJ31184573 *(Selected from Interactive Map)*	20/08/2022	Leah Williams	1 Juvenile		New Hall Road		D1117/001/01	Bonn2, CITES-A, LBAP-C	UA
Buteo buteo (Buzzard / Bwncath)	SJ3046	2 records, between 23/03/2011 and 11/04/2015	Recorder Name withheld (obsr2393644); KA Walker	2		B5426, Johnstown, Wrexham;Johnstown	Bird Track	D0346/003/01, D1297/025/01	Bonn2, CITES-A, LBAP-C	UA, PC
Buteo buteo (Buzzard / Bwncath)	SJ307459 *(Approximate)*	24/11/2015	Karl Martin	Present Full-Grown		Aberderfyn		D1531/001/01	Bonn2, CITES-A, LBAP-C	PC
Buteo buteo (Buzzard / Bwncath)	SJ3145	2 records, between 11/02/2017 and 23/03/2017	Ian M Spence	1		Johnstown, SE	BirdTrack	D1297/025/01	Bonn2, CITES-A, LBAP-C	PC
Buteo buteo (Buzzard / Bwncath)	SJ3044	2 records, between 23/01/2015 and 30/03/2016	Ian M Spence	1		Ruabon, N	Bird Track; BirdTrack	D1297/025/01	Bonn2, CITES-A, LBAP-C	PC
Callitriche platycarpa (Various-leaved Water-starwort / Brigwlydd y Gwanwyn)	SJ3046 *(Supplied by Original Recorder (Checked))*	24/06/2002 to 27/06/2002	Nick Stewart			SSSI: Stryt Las a'r Hafod; West of Hafod House		D0026/030/01	LI-48[LS], LI-49[LS], LI-50[LR], LI-51[LS], LI-VP-48[LS], LI-VP-49[LS], LI-VP-50[LR], LI-VP-51[LR], LI-VP-52[LR]	PC
Campylium protensum	SJ3045	**07/04/2008**	**British Bryological Society Meeting**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-49[LR], LI-BR-49[LR]**	**NA**
Carduelis carduelis (Goldfinch / Nico)	SJ3246 *(Approximate)*	10 records, between 16/04/2020 and 06/06/2022	Mr James Hughes; Mrs Heather Cartwright	4; 2; 3; 5		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	Bern2, LBAP-A, LBAP-C	PC, UA
Carduelis carduelis (Goldfinch / Nico)	SJ3146 *(Approximate)*	3 records, between 03/05/2019 and 11/10/2020	Mr Steven Davies; Mrs Norma Williams; Dr Anne Brenchley	c5		Bonc-yr-Hafod;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP		D1297/039/01, D1297/026/01	Bern2, LBAP-A, LBAP-C	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Carduelis carduelis (Goldfinch / Nico)	SJ3044 *(Approximate)*	5 records, between 24/01/2009 and 12/02/2022	Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277); Anon; Mr Steven Davies	3; 4; 11; 20+		Garden;Ruabon, N	Occurrence ID: NBN-GA000656-BGBW2009-16443207-106437724	D0346/001/01, D0346/003/01, D1852/002/01, D1297/050/01	Bern2, LBAP-A, LBAP-C	UA, PC
Carduelis carduelis (Goldfinch / Nico)	SJ307459	08/10/2021	Kate Wilson	1		Aberderfyn		D1531/001/01	Bern2, LBAP-A, LBAP-C	UA
Carduelis carduelis (Goldfinch / Nico)	SJ3046	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16443121-106437739	D1852/002/01	Bern2, LBAP-A, LBAP-C	PC
Carduelis carduelis (Goldfinch / Nico)	SJ3145	2009	Anon					D1775/001/02	Bern2, LBAP-A, LBAP-C	NA
Celastrina argiolus (Holly Blue / Glesyn Celyn)	SJ311466	07/08/2005	Adrian R. Jones	2 Adult		Bonc-yr-hafod (Picnic Mountain)		D1373/001/05	LBAP-C	NA
Certhia familiaris (Treecreeper / Dringwr Bach)	SJ3044	02/01/2020	Recorder name withheld (obsr1506277)	1		Garden		D0346/001/01	Bern2, LBAP-C	UA
Certhia familiaris (Treecreeper / Dringwr Bach)	SJ3145	19/03/2011	Neil Hughes	1	Reported to recorder	Johnstown, SE	Survey: Observer data	D0062/008/01	Bern2, LBAP-C	NA
Chara virgata (Delicate Stonewort)	SJ308463	27/06/2002	Anon			West of Hafod House		D0823/001/02	LI-48[LS], LI-VP-48[LS], LI-VP-50[LR]	NA
Chara virgata (Delicate Stonewort)	SJ307462	27/06/2002	Anon			West of Hafod House		D0823/001/02	LI-48[LS], LI-VP-48[LS], LI-VP-50[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Chara virgata (Delicate Stonewort)	SJ308462	27/06/2002	Anon			West of Hafod House		D0823/001/02	LI-48[LS], LI-VP-48[LS], LI-VP-50[LR]	NA
Chenopodium rubrum (Red Goosefoot / Troed-yr-Wydd Coch)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LBAP-G, LI-49[LS], LI-51[LS], LI-52[LS], LI-VP-49[LS]	NA
Coenagrion puella (Azure Damselfly / Mursen Las Asur)	SJ307459 *(Approximate)*	02/07/2014	Nigel Douglas	2		Aberderfyn		D1531/001/01	LBAP-E	PC
Corvus corax (Raven / Cigfran)	SJ3246 *(Approximate)*	4 records, between 11/06/2011 and 02/04/2022	Mr James Hughes; Neil Hughes; Mrs Heather Cartwright	1; 2	Reported to recorder	Sontley, pools;Middle Sontley	Survey: Observer data	D1297/039/01, D0062/008/01, D1297/050/01	LBAP-C	PC, NA, UA
Corvus corax (Raven / Cigfran)	SJ3146	20/12/2014	Steven Davies	1		Rhosllanerchrugog, Brick works	BirdTrack	D1297/025/01	LBAP-C	PC
Corvus corax (Raven / Cigfran)	SJ307459 *(Approximate)*	04/03/2021	Emma Ellis	2 Full-Grown		Aberderfyn	Flying over north to south	D1531/001/01	LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ3246 *(Approximate)*	12 records, between 24/01/2009 and 06/06/2022	Mr James Hughes; Mrs Heather Cartwright; Anon	5		Sontley, pools;Middle Sontley	Occurrence ID: NBN-GA000656-BGBW2009-16444298-105771212	D1297/039/01, D1297/047/01, D1852/002/01, D1297/050/01	Bern2, LBAP-C	PC, UA
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ3146 *(Approximate)*	5 records, between 07/03/1997 and 11/10/2020	Mr Steven Davies; Mrs Shirley Williams; Steven Davies; Mrs Norma Williams; Dr Anne Brenchley	1; 3		Bonc-yr-Hafod;Hafod Woodlands;Rhosllanerchrugog, Brick works;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP	BirdTrack	D1297/039/01, D1297/042/01, D1297/025/01, D1297/026/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ3044	5 records, between 24/01/2009 and 11/02/2020	Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277); Anon; Steven Davies	3; 1; 4; 2		Garden;Ruabon, N	Occurrence ID: NBN-GA000656-BGBW2009-16443031-105770660; BirdTrack	D0346/001/01, D0346/003/01, D1852/002/01, D1297/025/01	Bern2, LBAP-C	UA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ307459 *(Approximate)*	2 records, between 24/11/2015 and 28/01/2022	Kate Wilson; Karl Martin	2 Full-Grown; Present Full-Grown		Aberderfyn		D1531/001/01	Bern2, LBAP-C	UA, PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ3046	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442803-105770558	D1852/002/01	Bern2, LBAP-C	PC
Cyanistes caeruleus (Blue Tit / Titw Tomos Las)	SJ3145	2009	Anon					D1775/001/02	Bern2, LBAP-C	NA
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ3246 *(Approximate)*	10 records, between 24/01/2009 and 06/06/2022	Mr James Hughes; Anon; Neil Hughes; Mrs Heather Cartwright	1; 2; 4	Reported to recorder	Sontley, pools;Middle Sontley	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106437698; Survey: Observer data	D1297/039/01, D1297/047/01, D1852/002/01, D0062/008/01, D1297/050/01	Bern2, LBAP-C	PC, UA, NA
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ3044	2 records, between 28/12/2019 and 02/01/2020	Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277)	1		Garden		D0346/001/01, D0346/003/01	Bern2, LBAP-C	UA
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ307459	07/03/2022	Kate Wilson	1		Aberderfyn		D1531/001/01	Bern2, LBAP-C	UA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Dendrocopos major (Great Spotted Woodpecker / Cnocell Fraith Fwyaf)	SJ3146	10/10/2019	Dr Anne Brenchley			SJ3145 Bonc-y-Hafod CP		D1297/026/01	Bern2, LBAP-C	PC
Dipsacus fullonum (Wild Teasel / Llysiau'r Cribau)	SJ30904641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds.	D1169/004/04	LI-48[LR], LI-VP-48[LR]	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3093946423 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH3 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3082346220 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH10 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3080746372 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH6 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3082146344 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH7 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3084346309 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH8 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3081946277 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH9 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3094946387 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH2 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3085046392 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH4 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3082646387 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH5 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Enallagma cyathigerum (Common Blue Damselfly / Mursen Las Gyffredin)	SJ3096146404 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH1 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Erigeron acris (Blue Fleabane / Amrhydlwyd Glas)	SJ31064614	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-50[LNS]	NA
Erigeron acris (Blue Fleabane / Amrhydlwyd Glas)	SJ31214630	22/11/2022	Knight, T.			Bonc-yr-Hafod	Occasional along low slope between Hafod Road and improved pasture to west. Recorded under contract as Marches Ecology.	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-50[LNS]	NA
Erigeron acris (Blue Fleabane / Amrhydlwyd Glas)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-50[LNS]	NA
Erodium moschatum (Musk Stork's-bill / Pig-y-Crëyr Fwsg)	SJ30464542	29/09/2014	Shanklin, J.			Johnstown	One plant on fence verge in trading estate	D1169/004/04	GBNNSIP, LBAP-A, LI-49[LS], LI-50[LR], LI-52[LR], LI-VP-49[LS], LI-VP-50[LS], LI-VP-51[LS], LI-VP-52[LS]	NA
Fallopia convolvulus (Black-bindweed / Y Glymog Ddu)	SJ3046	12/10/2015	Stead, M.O.			Johnstown		D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Fallopia convolvulus (Black-bindweed / Y Glymog Ddu)	SJ3106246147	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. On a large pile of rubble.	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Fallopia convolvulus (Black-bindweed / Y Glymog Ddu)	SJ31464654	17/07/2018	Stead, M.O.			Bonc-yr-Hafod	N.area around layby	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Favonius quercus (Purple Hairstreak / Brithribin Porffor)	SJ3246 *(Estimated (Centroid of Site))*	1995	Bryan Formstone	1		SJ3246	Breeding: No. Mature: Yes. Record type: Field record / observation	D0127/001/02	LBAP-C	NA
***Favonius quercus* (Purple Hairstreak / Brithribin Porffor)**	SJ	**5 records, between 27/07/2002 and 03/09/2005**	**Adrian R. Jones; Rob W Whitehead**	**3; 7; 2; 3 Adult; 7 Adult**	**Field record**	**-Withheld-**	**-Withheld-**	D1642/001/01, D1373/001/05	**LBAP-C**	**NA**
Fumaria bastardii (Tall Ramping-fumitory / Mwg-y-Ddaear Grymus)	SJ3106246147	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. On a large pile of rubble.	D1169/004/04	LI-48[LS], LI-VP-48[LS]	NA
Galium mollugo subsp. erectum (Upright Hedge Bedstraw)	SJ31064614	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. A few clumps	D1169/004/04	LI-48[LS], LI-52[LS], LI-VP-48[LS]	NA
***Hygroamblystegium varium* (Willow Feather-moss)**	SJ3045	**07/04/2008**	**British Bryological Society Meeting**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LBAP-C, LBAP-F, LI-48[LR], LI-49[EX], LI-50[LR], LI-51[LR], LI-52[LR], LI-BR-48[LR], LI-BR-49[EX]**	**NA**
Inula helenium (Elecampane / Marchalan)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	GBNNSIP, LBAP-G, LI-49[LS], LI-50, LI-51[LR], LI-VP-49[LS], LI-VP-50[LS], LI-VP-51[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ischnura elegans (Blue-tailed Damselfly / Mursen Dinlas Gyffredin)	SJ307459 *(Approximate)*	02/07/2014	Nigel Douglas	1		Aberderfyn		D1531/001/01	LBAP-E	PC
Jacobaea erucifolia (Hoary Ragwort / Creulys Lwyd)	SJ312463	11/08/2020	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-52[LS]	NA
Jacobaea erucifolia (Hoary Ragwort / Creulys Lwyd)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-52[LS]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3044	29/09/2014	Shanklin, J.			Rhiwabon North		D1169/004/04	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ30854647	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod.	D1169/004/04	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland path	D1169/004/04	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3093946423 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH3 - Hafod Mitigation Ponds		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3081946277 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH9 - Hafod Mitigation Ponds		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3084346309 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH8 - Hafod Mitigation Ponds		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3080746372 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH6 - Hafod Mitigation Ponds		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3096146404 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH1 - Hafod Mitigation Ponds		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3117046486 *(GPS Reading)*	06/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH16 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3077646610 *(GPS Reading)*	06/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH18 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3080646458 *(GPS Reading)*	06/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH13 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3082246471 *(GPS Reading)*	06/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH14 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3117946486 *(GPS Reading)*	06/08/2003	Jan Wilkinson	Present		Pond SLH17 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3072746186 *(GPS Reading)*	06/08/2003	Jan Wilkinson	Present		Pond SLH12 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3077746630 *(GPS Reading)*	06/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH19 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ3059845364 *(GPS Reading)*	19/08/2003	Jan Wilkinson	Present		Pond SLH30 - Hafod		D1045/001/01	LI-48[LR], LI-VP-48[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Juncus inflexus (Hard Rush / Brwynen Galed)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 1,2,3	D1531/001/01	LI-48[LR], LI-VP-48[LR]	PC
***Kindbergia praelonga* (Common Feather-moss)**	SJ3045	**07/04/2008**	**British Bryological Society Meeting**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LBAP-C**	**NA**
Knautia arvensis (Field Scabious / Clafrllys y Maes)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland path	D1169/004/04	LI-48[LS], LI-VP-48[LS]	NA
Lactuca serriola (Prickly Lettuce / Letusen Bigog)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	GBNNSIP, LBAP-C, LI-51[LS]	NA
Lactuca serriola (Prickly Lettuce / Letusen Bigog)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area	D1169/004/04	GBNNSIP, LBAP-C, LI-51[LS]	NA
Lactuca serriola (Prickly Lettuce / Letusen Bigog)	SJ31064614	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	GBNNSIP, LBAP-C, LI-51[LS]	NA
Lactuca serriola (Prickly Lettuce / Letusen Bigog)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	GBNNSIP, LBAP-C, LI-51[LS]	NA
Lamiastrum galeobdolon subsp. montanum	SJ3245	10/11/2014	Shanklin, J.			Gyfelia		D1169/004/04	LI-48[LS], LI-49[LS], LI-VP-48[LS], LI-VP-49[LS]	NA
Lasioglossum leucopus (White-footed Furrow Bee)	SJ312466	12/08/2021	A.N. & J.E.Graham	1		Bonc-yr-Hafod		D0135/022/01	LBAP-C	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lathyrus sylvestris (Narrow-leaved Everlasting-pea / Ytbysen Fythol Gulddail)	SJ31064614	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	Large pile of rubble in diused factory site.	D1169/004/04	LI-49[LS], LI-VP-49[LS], LI-VP-50[LS], LI-VP-51[LR]	NA
Lathyrus sylvestris (Narrow-leaved Everlasting-pea / Ytbysen Fythol Gulddail)	SJ312463	11/08/2020	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-49[LS], LI-VP-49[LS], LI-VP-50[LS], LI-VP-51[LR]	NA
Lestes sponsa (Emerald Damselfly / Mursen Werdd)	SJ3146	05/09/2021	Higginson-Tranter, Dave	1 Adult		Bonc Yr Hafod Wood	Habitat: Woodland	D1295/001/05	LBAP-E, LI-50	NA
Lestes sponsa (Emerald Damselfly / Mursen Werdd)	SJ30824647 *(Selected from Interactive Map)*	21/06/2017	Susan Loose	2 Juvenile Male; 6 Exuviae; 2 Pre-flight Emergent Adult	Live Sighting	Hafod banks		D1117/001/01	LBAP-E, LI-50	KC
Lestes sponsa (Emerald Damselfly / Mursen Werdd)	SJ3055545659 *(Selected from Interactive Map)*	07/08/2018	Paul Furnborough	4 Adult	Live Sighting	Johnstown - Morgan Ceramics: MC01	Metallic thorax flash and shocking bright blue tail patch	D1531/003/01	LBAP-E, LI-50	PC
Libellula depressa (Broad-bodied Chaser / Picellwr Praff)	SJ3085046392 *(GPS Reading)*	05/08/2003	Jan Wilkinson	Present		Pond SLH4 - Hafod Mitigation Ponds		D1045/001/01	LBAP-E	NA
Libellula depressa (Broad-bodied Chaser / Picellwr Praff)	SJ30724609 *(Selected from Interactive Map)*	02/07/2014	Karl Martin	2 Adult Male	Live Sighting	Aberderfyn Nature Reserve	Seen hunting around small ponds created for amphibian conservation	D1531/001/01	LBAP-E	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Libellula depressa (Broad-bodied Chaser / Picellwr Praff)	SJ307459 *(Approximate)*	02/07/2014	Nigel Douglas	1 Male		Aberderfyn		D1531/001/01	LBAP-E	PC
Lysimachia vulgaris (Yellow Loosestrife / Trewyn)	SJ307459 *(Approximate)*	22/07/2016	Tom Brannigan	Many		Aberderfyn		D1531/001/01	LBAP-G, LI-48[LS], LI-49[LS], LI-51[LS], LI-VP-48[LS], LI-VP-49[LS], LI-VP-51[LS]	PC
Malva arborea (Tree-mallow / Hocyswydden)	SJ3106246147	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. A few plants on a large pile of rubble. Very dark purple flowers. Need to confirm. Confirmed 01 09 20	D1169/004/04	LBAP-C, LBAP-D, LI-50, LI-VP-50[LS], LI-VP-51[LR]	NA
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ31064614	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	Large pile of rubble in diused factory site.	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Matricaria chamomilla (Scented Mayweed / Amranwen Bêr)	SJ3146	07/10/2018	Stead, M.O.			Bonc-yr-Hafod		D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Melilotus altissimus (Tall Melilot / Yr Wydro Dal)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland path	D1169/004/04	GBNNSIP, LBAP-G, LI-49[LR], LI-VP-49[LR]	NA
Melilotus altissimus (Tall Melilot / Yr Wydro Dal)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	GBNNSIP, LBAP-G, LI-49[LR], LI-VP-49[LR]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Melilotus altissimus (Tall Melilot / Yr Wydro Dal)	SJ30854647	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod.	D1169/004/04	GBNNSIP, LBAP-G, LI-49[LR], LI-VP-49[LR]	NA
Melilotus altissimus (Tall Melilot / Yr Wydro Dal)	SJ31064614	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	GBNNSIP, LBAP-G, LI-49[LR], LI-VP-49[LR]	NA
Melilotus altissimus (Tall Melilot / Yr Wydro Dal)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	GBNNSIP, LBAP-G, LI-49[LR], LI-VP-49[LR]	NA
Mentha aquatica (Water Mint / Mintys y Dwr)	SJ3082646387 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH5 - Hafod Mitigation Ponds		D1045/001/01	LBAP-A	NA
Mentha aquatica (Water Mint / Mintys y Dwr)	SJ3080746372 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH6 - Hafod Mitigation Ponds		D1045/001/01	LBAP-A	NA
Mergus merganser (Goosander / Hwyaden Ddanheddog)	SJ3044 *(Approximate)*	12/02/2022	Mr Steven Davies	9		Ruabon, N	Monks Pool	D1297/050/01	BDir2.2, Bonn2, LBAP-C	UA
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ3246	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16444298-106734517	D1852/002/01	Bern2, LBAP-C, LBAP-T	PC
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ3044	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442870-106734473	D1852/002/01	Bern2, LBAP-C, LBAP-T	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Motacilla alba (Pied/White Wagtail / Siglen Fraith/Wen)	SJ3145	2009	Anon					D1775/001/02	Bern2, LBAP-C, LBAP-T	NA
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ3246 *(Approximate)*	10 records, between 16/04/2020 and 25/06/2022	Mr James Hughes; Mrs Heather Cartwright	1; 2; 4		Sontley, pools;Middle Sontley		D1297/039/01, D1297/047/01, D1297/050/01	Bern2, LBAP-T	PC, UA
Motacilla alba yarrellii (Pied Wagtail / Siglen Fraith)	SJ3044	29/05/2011	Neil Hughes	2	Reported to recorder	Ruabon, N	Activity: FF. Survey: Observer data	D0062/008/01	Bern2, LBAP-T	NA
Mycelis muralis (Wall Lettuce / Gwylaeth y Fagwyr)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-52[LS]	NA
Mycelis muralis (Wall Lettuce / Gwylaeth y Fagwyr)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LI-52[LS]	NA
Mycelis muralis (Wall Lettuce / Gwylaeth y Fagwyr)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	LI-52[LS]	NA
Myriophyllum spicatum (Spiked Water-milfoil / Myrddail Twysog)	SJ30904641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds.	D1169/004/04	LI-48[LR], LI-50[LR], LI-VP-48[LR], LI-VP-50[LS], LI-VP-51[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Myriophyllum spicatum (Spiked Water-milfoil / Myrddail Twysog)	SJ3046 *(Supplied by Original Recorder (Checked))*	24/06/2002 to 27/06/2002	Nick Stewart			SSSI: Stryt Las a'r Hafod; West of Hafod House		D0026/030/01	LI-48[LR], LI-50[LR], LI-VP-48[LR], LI-VP-50[LS], LI-VP-51[LS]	NA
Myriophyllum spicatum (Spiked Water-milfoil / Myrddail Twysog)	SJ3080746372 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH6 - Hafod Mitigation Ponds		D1045/001/01	LI-48[LR], LI-50[LR], LI-VP-48[LR], LI-VP-50[LS], LI-VP-51[LS]	NA
Myriophyllum spicatum (Spiked Water-milfoil / Myrddail Twysog)	SJ3082646387 *(GPS Reading)*	05/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH5 - Hafod Mitigation Ponds		D1045/001/01	LI-48[LR], LI-50[LR], LI-VP-48[LR], LI-VP-50[LS], LI-VP-51[LS]	NA
Parus major (Great Tit / Titw Mawr)	SJ3246 *(Approximate)*	8 records, between 24/01/2009 and 02/05/2022	Mr James Hughes; Mrs Heather Cartwright; Anon			Sontley, pools;Middle Sontley	Occurrence ID: NBN-GA000656-BGBW2009-16444298-106437699	D1297/039/01, D1297/047/01, D1852/002/01, D1297/050/01	Bern2, LBAP-C	PC, UA
Parus major (Great Tit / Titw Mawr)	SJ3044	3 records, between 24/01/2009 and 11/02/2020	Recorder name withheld (obsr1506277); Recorder Name withheld (obsr1506277); Anon	2		Garden	Occurrence ID: NBN-GA000656-BGBW2009-16443207-106437725	D0346/001/01, D0346/003/01, D1852/002/01	Bern2, LBAP-C	UA, PC
Parus major (Great Tit / Titw Mawr)	SJ3146 *(Approximate)*	4 records, between 07/03/1997 and 10/10/2019	Mrs Shirley Williams; Steven Davies; Mrs Norma Williams; Dr Anne Brenchley	1		Hafod Woodlands;Rhosllanerchrugog, Brick works;Bonc-Y-Hafod;SJ3145 Bonc-y-Hafod CP	BirdTrack	D1297/042/01, D1297/025/01, D1297/026/01	Bern2, LBAP-C	PC
Parus major (Great Tit / Titw Mawr)	SJ307459 *(Approximate)*	2 records, between 24/11/2015 and 28/01/2022	Kate Wilson; Karl Martin	2 Full-Grown; Present Full-Grown		Aberderfyn		D1531/001/01	Bern2, LBAP-C	UA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Parus major (Great Tit / Titw Mawr)	SJ3046	2 records, between 24/01/2009 and 18/05/2011	Anon; Neil Hughes	1	Reported to recorder	Johnstown	Occurrence ID: NBN-GA000656-BGBW2009-16442948-106437708; Activity: ON. Survey: Observer data	D1852/002/01, D0062/008/01	Bern2, LBAP-C	PC, NA
Parus major (Great Tit / Titw Mawr)	SJ3045	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16442655-106437593	D1852/002/01	Bern2, LBAP-C	PC
Parus major (Great Tit / Titw Mawr)	SJ3145	2009	Anon					D1775/001/02	Bern2, LBAP-C	NA
Persicaria lapathifolia (Pale Persicaria / Canwraidd y Dom)	SJ31064614	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LI-48[LS], LI-VP-48[LS]	NA
Petasites hybridus (Butterbur / Alan Mawr)	SJ30744620	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Aberderfyn.	D1169/004/04	LI-48[LS], LI-50[LR], LI-VP-48[LS]	NA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3246 *(Approximate)*	15 records, between 25/03/2020 and 23/09/2022	Mr James Hughes; Mrs Heather Cartwright	1; 2; 3		Sontley, pools;Middle Sontley	Breeding details: Singing male (S)	D1297/039/01, D1297/047/01, D1297/050/01	LBAP-C	PC, UA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3045	01/04/2007	Norman Hallas	1	Reported to recorder	Ruabon, New Hall	Survey: Observer data	D0062/008/01	LBAP-C	NA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3146	4 records, between 01/06/2007 and 03/05/2019	Neil Hughes; Mrs Norma Williams	2; 9; 10+	Reported to recorder	Rhosllanerchrugog, Brick works;Bonc-Y-Hafod	Survey: Observer data; Roving record. Survey: Observer data; Roving. Activity: T. Survey: Observer data	D0062/008/01, D1297/026/01	LBAP-C	NA, PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3044	19/03/2011	Neil Hughes	1	Reported to recorder	Ruabon, N	Activity: S. Survey: Observer data	D0062/008/01	LBAP-C	NA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3144	19/03/2011	Neil Hughes	2	Reported to recorder	Ruabon, NE	Activity: S. Survey: Observer data	D0062/008/01	LBAP-C	NA
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ3046	2 records, between 18/05/2011 and 11/04/2015	Neil Hughes; KA Walker	6	Reported to recorder	Johnstown	Activity: T. Survey: Observer data; Bird Track	D0062/008/01, D1297/025/01	LBAP-C	NA, PC
Phylloscopus collybita (Chiffchaff / Siff-Siaff)	SJ307459 *(Approximate)*	16/04/2021	Emma Ellis	1 Full-Grown	Auditory record	Aberderfyn		D1531/001/01	LBAP-C	PC
Polypodium interjectum (Intermediate Polypody / Llawredynen Ganolig)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	LI-51[LS]	NA
Polypodium interjectum (Intermediate Polypody / Llawredynen Ganolig)	SJ30954510	19/03/2018	Stead, M.O.			Johnstown	On top of New Hall outer wall West roadside	D1169/004/04	LI-51[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Populus nigra subsp. betulifolia (Black-poplar)	SJ3068546582	1994	Trefor Thompson & Les Starling	3 Male	Field record	Johnstown	Hedges (1 is now a stump)	D0225/001/01	GBNNSIP, LBAP-C, LBAP-D, LBAP-E, LBAP-F, LBAP-W, LI-48[LS], LI-50[LS], LI-52[LR], LI-VP-48[LS], LI-VP-52[LR]	PC
Populus tremula (Aspen / Aethnen)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland path	D1169/004/04	LI-52[LS], LI-VP-52[LS]	NA
Potamogeton berchtoldii (Small Pondweed / Dyfrllys Bach)	SJ3046 *(Supplied by Original Recorder (Checked))*	24/06/2002 to 27/06/2002	Nick Stewart			SSSI: Stryt Las a'r Hafod; West of Hafod House		D0026/030/01	LBAP-G, LI-48[LS], LI-49[LS], LI-51[LS], LI-VP-48[LS], LI-VP-49[LS], LI-VP-51[LS]	PC
Potentilla anglica x reptans = P. x mixta (Hybrid Cinquefoil / Pumnalen Groesryw)	SJ3044	29/09/2014	Shanklin, J.			Rhiwabon North	A483 verge	D1169/004/04	LBAP-G, LI-49[LR], LI-VP-49[LR], LI-VP-51	NA
Prunus padus (Bird Cherry / Coeden Geirios yr Adar)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland path	D1169/004/04	LBAP-G, LI-49[LS], LI-VP-49[LS]	NA
Puccinellia distans (Reflexed Saltmarsh-Grass / Gwellt-y-Morfa Atblygedig)	SJ3144	29/09/2014	Shanklin, J.			Pentre-clawdd	A483 verge	D1169/004/04	LBAP-C, LBAP-D, LBAP-G, LI-48[LR], LI-49[LR], LI-51[LS], LI-52[LR], LI-VP-48[LR], LI-VP-49[LR], LI-VP-52[LR]	NA
Pulicaria dysenterica (Common Fleabane / Cedowydd Cyffredin)	SJ3106246147	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. On a large pile of rubble	D1169/004/04	LI-48[LS], LI-VP-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Ranunculus sceleratus (Celery-leaved Buttercup / Crafanc yr Eryr)	SJ3117046486 *(GPS Reading)*	06/08/2003 to 03/09/2003	Jan Wilkinson	Present		Pond SLH16 - Hafod		D1045/001/01	LI-48[LS], LI-VP-48[LS]	NA
Ranunculus trichophyllus (Thread-leaved Water-crowfoot / Crafanc-y-Frân Feinddail)	SJ3046 *(Supplied by Original Recorder (Checked))*	24/06/2002 to 27/06/2002	Nick Stewart			SSSI: Stryt Las a'r Hafod; West of Hafod House		D0026/030/01	LBAP-G, LI-48[LR], LI-49[LS], LI-50[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-50[LS], LI-VP-51[LS]	NA
Ranunculus trichophyllus (Thread-leaved Water-crowfoot / Crafanc-y-Frân Feinddail)	SJ30744620	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Aberderfyn.	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-50[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-50[LS], LI-VP-51[LS]	NA
Ranunculus trichophyllus (Thread-leaved Water-crowfoot / Crafanc-y-Frân Feinddail)	SJ30904641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds.	D1169/004/04	LBAP-G, LI-48[LR], LI-49[LS], LI-50[LS], LI-52[LS], LI-VP-48[LR], LI-VP-49[LS], LI-VP-50[LS], LI-VP-51[LS]	NA
Reseda luteola (Weld / Melengu)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Reseda luteola (Weld / Melengu)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Rhinanthus minor (Yellow-rattle / Cribell Felen)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LBAP-A	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Rosa rubiginosa (Sweet-briar / Drysïen Bêr)	SJ3044	29/09/2014	Shanklin, J.			Rhiwabon North		D1169/004/04	LBAP-G, LI-49[LS], LI-50[LS], LI-51[LR], LI-VP-49[LS], LI-VP-50[LR]	NA
Sagina apetala subsp. apetala	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LI-51[LR], LI-VP-51[LR]	NA
Sagina apetala subsp. apetala	SJ31064614	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LI-51[LR], LI-VP-51[LR]	NA
Salix alba (White Willow / Helygen Wen)	SJ3059845364 *(GPS Reading)*	19/08/2003	Jan Wilkinson	Present		Pond SLH30 - Hafod		D1045/001/01	GBNNSIP, LI-49[LR], LI-VP-49[LR]	NA
Salix pentandra (Bay Willow / Helygen Bêr)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland path	D1169/004/04	LI-48[LR], LI-50[LR], LI-51[LS], LI-VP-48[LR], LI-VP-51[LR]	NA
***Scapania scandica* (Norwegian Earwort)**	SJ3045	**07/04/2008**	**British Bryological Society Meeting**			**-Withheld-**	**-Withheld-**	D1075/001/06	**LI-51[LR]**	**NA**
Scrophularia auriculata (Water Figwort / Gwrnerth y Dwr)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 1	D1531/001/01	LI-48[LR], LI-52[LS], LI-VP-48[LR]	PC
Sedum anglicum (English Stonecrop / Briweg y Cerrig)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-51[LR], LI-VP-51[LS]	NA
Sedum anglicum (English Stonecrop / Briweg y Cerrig)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area.	D1169/004/04	LI-51[LR], LI-VP-51[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Silene latifolia (White Campion / Gludlys Gwyn)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Silene latifolia (White Campion / Gludlys Gwyn)	SJ3246	15/07/2017	Williams, D.			Middle Sontley	field paths	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Silene latifolia x dioica = S. x hampeana (Hybrid Campion)	SJ312463	11/08/2020	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-48[LR], LI-VP-48[LR]	NA
Silene uniflora (Sea Campion / Gludlys Arfor)	SJ31064614	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	Large pile of rubble in diused factory site. Garden throw-out.	D1169/004/04	LI-48[LS], LI-50[LR], LI-VP-48[LS], LI-VP-50[LS], LI-VP-51[LR]	NA
Sitta europaea (Nuthatch / Delor y Cnau)	SJ3044	2 records, between 12/04/2011 and 02/01/2020	Recorder name withheld (obsr1506277); Neil Hughes	1; 2	Reported to recorder	Garden;Ruabon, N	Activity: B. Survey: Observer data	D0346/001/01, D0062/008/01	Bern2, LBAP-C	UA, NA
Spinus spinus (Siskin / Pila Gwyrdd)	SJ3044	2 records, between 02/01/2020 and 11/02/2020	Recorder name withheld (obsr1506277)	1; 2		Garden		D0346/001/01	Bern2, LBAP-C	UA
Spinus spinus (Siskin / Pila Gwyrdd)	SJ3046	24/01/2009 to 25/01/2009	Anon				Occurrence ID: NBN-GA000656-BGBW2009-16443121-106817346	D1852/002/01	Bern2, LBAP-C	PC
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ3246 *(Approximate)*	27/04/2020	Mr James Hughes	1		Sontley, pools		D1297/039/01	LBAP-C	PC
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ3146	2 records, between 14/04/2010 and 03/05/2019	Neil Hughes; Mrs Norma Williams	5 Male	Reported to recorder	Rhosllanerchrugog, Brick works;Bonc-Y-Hafod	Roving. Activity: S. Survey: Observer data	D0062/008/01, D1297/026/01	LBAP-C	NA, PC
Sylvia atricapilla (Blackcap / Telor Penddu)	SJ3046	18/05/2011	Neil Hughes	5 Male	Reported to recorder	Johnstown	Activity: T. Survey: Observer data	D0062/008/01	LBAP-C	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Tilia cordata (Small-leaved Lime / Pisgwydden Dail Bach)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-49[LR], LI-51[LR], LI-VP-49[LR], LI-VP-51[LR]	NA
Tragopogon pratensis (Goat's-beard / Barf y Bwch)	SJ310460	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Tragopogon pratensis (Goat's-beard / Barf y Bwch)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 1,2	D1531/001/01	GBNNSIP, LI-48[LS], LI-VP-48[LS]	PC
Trifolium medium (Zigzag Clover)	SJ312463	11/08/2020	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-48[LS], LI-VP-48[LS]	NA
Tripleurospermum inodorum (Scentless Mayweed / Amranwen Ddi-Sawr)	SJ3046	12/10/2015	Stead, M.O.			Johnstown		D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Tripleurospermum inodorum (Scentless Mayweed / Amranwen Ddi-Sawr)	SJ3146	07/10/2018	Stead, M.O.			Bonc-yr-Hafod		D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Tripleurospermum inodorum (Scentless Mayweed / Amranwen Ddi-Sawr)	SJ30744620	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Aberderfyn.	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Tripleurospermum inodorum (Scentless Mayweed / Amranwen Ddi-Sawr)	SJ312463	11/08/2020	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Tripleurospermum inodorum (Scentless Mayweed / Amranwen Ddi-Sawr)	SJ3246	15/07/2017	Williams, D.			Middle Sontley	field paths	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Tripleurospermum inodorum (Scentless Mayweed / Amranwen Ddi-Sawr)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 2	D1531/001/01	GBNNSIP, LI-48[LS], LI-VP-48[LS]	PC
Urtica urens (Small Nettle / Danhadlen Fach)	SJ31464654	17/07/2018	Stead, M.O.			Bonc-yr-Hafod	N.area around layby	D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA

- PUBLIC VERSION -

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Veronica catenata (Pink Water-speedwell / Graeanllys-y-Dwr Rhosliw)	SJ30814646	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Large pond	D1169/004/04	LI-48[LR], LI-49[LR], LI-50[LR], LI-VP-48[LR], LI-VP-49[LR]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	LI-52[LS], LI-VP-52[LS]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ30974641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds.	D1169/004/04	LI-52[LS], LI-VP-52[LS]	NA
Viburnum opulus (Guelder-rose / Gwifwrnwydden y Gors)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 2	D1531/001/01	LI-52[LS], LI-VP-52[LS]	PC
Vicia tetrasperma (Smooth Tare / Ffacbysen Lefn)	SJ30974641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds	D1169/004/04	LBAP-G, LI-48[LS], LI-49[LR], LI-VP-48[LS], LI-VP-49[LR], LI-VP-51, LI-VP-52[LS]	NA
Viola arvensis (Field Pansy / Trilliw'r Tir Âr)	SJ3144	29/09/2014	Shanklin, J.			Pentre-clawdd		D1169/004/04	GBNNSIP, LI-48[LS], LI-VP-48[LS]	NA
Vulpia myuros (Rat's-tail Fescue / Peisgwellt y Fagwyr)	SJ312463	11/08/2020	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	GBNNSIP, LBAP-G, LI-49[LS], LI-52[LS], LI-VP-49[LS]	NA

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Designation List - INNS										
Species Name	**Grid Reference**	**Date**	**Recorder(s)**	**Abundance**	**Record/Sample Type**	**Site Name**	**Notes**	**Dataset ID**	**Lists**	**V**
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ3044	02/01/2020	Recorder name withheld (obsr1506277)	2		Garden		D0346/001/01	Bonn2, GBNNSIP, INNS, WCA9	PC
Aix galericulata (Mandarin Duck / Hwyaden Gribog)	SJ3246 *(Approximate)*	09/04/2021	Mrs Heather Cartwright	1		Middle Sontley		D1297/047/01	Bonn2, GBNNSIP, INNS, WCA9	PC
Branta canadensis (Canada Goose / Gwydd Canada)	SJ3246 *(Approximate)*	20 records, between 12/06/2005 and 02/05/2022	John Rushton; Mr James Hughes; Mrs Heather Cartwright	5; 25; 13; 42; 17; 6; 10; 36; 18; 12; 4; 30+; 87; c100; 49; 19; c55; 2	Reported to recorder	Sontley, pools;Middle Sontley	Survey: Observer data	D0062/008/01, D1297/039/01, D1297/047/01, D1297/050/01	BDir2.1, Bonn2, GBNNSIP, INNS, WCA9	NA, PC, UA
Cotoneaster horizontalis (Wall Cotoneaster / Cotoneaster Asgwrn Pysgodyn)	SJ307459 *(Approximate)*	Summer 2011	Joe Phillips	Present		Aberderfyn	Found in field 1,2	D1531/001/01	GBNNSIP, INNS, WCA9	PC
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ308463	01/12/2007	K Jones			Stryt Las a'r Hafod SSSI	Hafod R1. In ponds SLH 10, 9, 7 and 2, brought in with introduced fish. C. 10% coverage but expanding esp. In pond 2, some response to management works observed.	D1286/001/02	GBNNSIP, INNS, WCA9	PC
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ308462 *(Estimated (Centroid of Site))*	15/05/2007	Anon			SSSI: Stryt Las a'r Hafod; Hafod R1 Mitigation Site	Torch survey of 11 ponds	D1314/006/01	GBNNSIP, INNS, WCA9	PC

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ3096546415 *(Selected from Interactive Map)*	5 records, between 13/04/2010 and 13/05/2015	Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope	N/A	Not Applicable	Johnstown - Hafod R1: Pond 01	Recorded during newt survey.	D1320/014/01	GBNNSIP, INNS, WCA9	PC
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ3093546415 *(Selected from Interactive Map)*	5 records, between 13/04/2010 and 13/05/2015	Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope	N/A	Not Applicable	Johnstown - Hafod R1: Pond 03 (former site)	Recorded during newt survey.	D1320/014/01	GBNNSIP, INNS, WCA9	PC
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ3081546335 *(Selected from Interactive Map)*	5 records, between 13/04/2010 and 13/05/2015	Nicola Wheeler; Simon Cope; Matthew Ellis; Nicola Wheeler; Paul Day; Simon Cope; Simon Cope	N/A	Not Applicable	Johnstown - Hafod R1: Pond 07 (former site)	Recorded during newt survey.	D1320/014/01	GBNNSIP, INNS, WCA9	PC
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ3094546365 *(Selected from Interactive Map)*	2 records, between 08/04/2015 and 10/04/2018	Nicola Wheeler; Simon Cope; Matthew Ellis	N/A; 3 DAFOR	Not Applicable	Johnstown - Hafod R1: Pond 02a (former site)	Recorded during newt survey.	D1320/014/01	GBNNSIP, INNS, WCA9	PC
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ3078846181 *(Selected from Interactive Map)*	04/09/2018	Paul Furnborough	Present		Johnstown - Aberderfyn: SLH12b		D1531/003/01	GBNNSIP, INNS, WCA9	PC
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ30974641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds	D1169/004/04	GBNNSIP, INNS, WCA9	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Crassula helmsii (New Zealand Pigmyweed / Corchwyn Seland Newydd)	SJ30814646	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Large pond	D1169/004/04	GBNNSIP, INNS, WCA9	NA
Crocosmia pottsii x aurea = C. x crocosmiiflora (Montbretia / Crib-y-Ceiliog)	SJ3106246147	11/08/2020	Williams, D.			Bonc-yr-Hafod	Factory demolition area. On a large pile of rubble	D1169/004/04	GBNNSIP, INNS, WCA9	NA
Fallopia japonica (Japanese Knotweed / Clymog Japan)	SJ307463	01/06/2009	K Jones			Aberderfyn, Stryt Las a'r Hafod SSSI	Small patch appeared with no previous records. Treated by contractor with Glyphosate.	D1286/001/02	GBNNSIP, INNS, WCA9	PC
Heracleum mantegazzianum (Giant Hogweed / Efwr Enfawr)	SJ3119446239	13/07/2017	Philip Pearce			Adjacent to Dennis Ruabon in Ruabon	The plant head was removed	D1586/014/01	GBNNSIP, INNS, WCA9	PC
Heracleum mantegazzianum (Giant Hogweed / Efwr Enfawr)	SJ313465	15/07/2017	Williams, D.			Bonc-yr-Hafod	roadside	D1169/004/04	GBNNSIP, INNS, WCA9	NA
Impatiens glandulifera (Himalayan Balsam / Jac y Neidiwr)	SJ311464	01/09/2020	Denbs Group (Williams, D.)			Bonc-yr-Hafod	woodland path	D1169/004/04	GBNNSIP, INNS, WCA9	NA
Lagarosiphon major (Curly Waterweed / Ffugalaw Crych)	SJ3046 *(Supplied by Original Recorder (Checked))*	24/06/2002 to 27/06/2002	Nick Stewart			SSSI: Stryt Las a'r Hafod; West of Hafod House		D0026/030/01	GBNNSIP, INNS, WCA9	NA

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Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record/Sample Type	Site Name	Notes	Dataset ID	Lists	V
Lagarosiphon major (Curly Waterweed / Ffugalaw Crych)	SJ30814646	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Large pond	D1169/004/04	GBNNSIP, INNS, WCA9	NA
Lamiastrum galeobdolon subsp. argentatum (Variegated Yellow Archangel)	SJ3245	10/11/2014	Shanklin, J.			Gyfelia		D1169/004/04	GBNNSIP, INNS, WCA9	NA
Neovison vison (American Mink / Minc)	SJ310461	25/09/2007	Kylie Jones	1		Hafod mitigation site	Large male mink chasing rabbit at at 14.30	D1117/001/01	GBNNSIP, INNS, WCA9	PC
Prunus laurocerasus (Cherry Laurel / Coeden Lawrgeirios)	SJ3045	29/09/2014	Shanklin, J.			Johnstown		D1169/004/04	GBNNSIP, INNS	NA
Sedum album (White Stonecrop / Briweg Wen)	SJ3046	12/10/2015	Stead, M.O.			Johnstown		D1169/004/04	GBNNSIP, INNS	NA
Sedum album (White Stonecrop / Briweg Wen)	SJ30904641	01/09/2020	Denbs Group (Williams, D.)			Johnstown	Stryt Las a'r Hafod. Pond and surrounds.	D1169/004/04	GBNNSIP, INNS	NA

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Sites - 10 records	
Sites of Special Scientific Interest intersecting 1000m buffer	Stryt Las a'r Hafod (1376) (426m)
Special Areas of Conservation intersecting 1000m buffer	Johnstown Newt Sites (UK0030173) (426m)
Scheduled Ancient Monuments intersecting 1000m buffer	Wat's Dyke: Section extending from Black Brook Bridge to Pentre-Clawdd (DE154) (853m), Wat's Dyke: Section extending from Middle Sontley to Black Brook Bridge (DE153) (872m)
Listed Buildings intersecting 1000m buffer	Hafod House (1588) (198m), Hafod House Farmhouse (1589) (213m)
Country Parks intersecting 1000m buffer	Bonc yr Hafod (563m)
Important Invertebrate Areas intersecting 1000m buffer	North East Wales (426m)
Wild Ground Reserves intersecting 1000m buffer	Aberderfryn (523m), Morgan Ceramics (730m)

Sites of Special Scientific Interest

Site Code	Site Name	Further information	Link
1376	Stryt Las a'r Hafod	https://naturalresources.wales/guidance-and-advice/environmental-topics/wildlife-and-biodiversity/protected-areas-of-land-and-seas/find-protected-areas-of-land-and-sea	More Information

Special Areas of Conservation

Site Code	Site Name	Link
UK0030173	Johnstown Newt Sites	More Information

Scheduled Ancient Monuments

Site Code	Site Name	Class	Period	Site Type	Link
DE154	Wat's Dyke: Section extending from Black Brook Bridge to Pentre-Clawdd	Monument	Early Medieval	Linear Earthwork	More Information
DE153	Wat's Dyke: Section extending from Middle Sontley to Black Brook Bridge	Monument	Early Medieval	Linear Earthwork	More Information

Listed Buildings

Site Code	Site Name	Grade	Classification	Location	Link
1588	Hafod House	II	Health and Welfare		More Information
1589	Hafod House Farmhouse	II	Domestic		More Information

Important Invertebrate Areas

PUBLIC VERSION -

Site Code	Site Name	Link
	North East Wales	More Information

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Ancient Woodland				
Habitat	**Distance**	**Area**	**Coverage**	**At Search Location**
Restored Ancient Woodland Site	881m	0.398ha	0.127%	No

Phase 1				
Habitat	**Distance**	**Area**	**Coverage**	**At Search Location**
B.4 - Improved Grassland	0m - 839m	180.574ha	57.502%	Yes
J.3.6 - Buildings	130m - 993m	28.573ha	9.099%	No
I.2.2 - Spoil	177m - 951m	25.641ha	8.165%	No
I.2.1 - Quarry	184m	16.444ha	5.236%	No
J.4 - Bare Ground	95m - 663m	10.904ha	3.472%	No
J.1.1 - Arable Land	28m - 819m	8.836ha	2.814%	No
J.1.3 - Ephemeral/Short Perennial	195m - 620m	6.741ha	2.147%	No
B.2.2 - Semi-improved Neutral Grassland	77m - 829m	4.373ha	1.393%	No
A.1.1.1 - Semi-natural Broad-leaved Woodland	81m - 806m	3.316ha	1.056%	No
A.2.1 - Dense/Continuous Scrub	163m - 952m	1.608ha	0.512%	No
G.1 - Standing Water	129m - 989m	1.363ha	0.434%	No
A.1.2.2 - Plantation Coniferous Woodland	880m	1.181ha	0.376%	No
J.1.2 - Amenity Grassland	731m	0.526ha	0.168%	No
N/A	722m - 951m	0.123ha	0.039%	No

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Documents - spatially referenced documents found within the search area					
Document Type	**Distance**	**Document ID**	**Title**	**Description**	**Grid Reference**
Consultancy Survey Report	364m	CO/DOC 00514	COPE, S., 2019: "Hafod Quarry and Landfill Great Crested Newt Monitoring Report". Oakwood Ecology	GCN monitoring of ponds in the quarry/landfill site. For management purposes the site is divided into three units (Hafod R1, Hafod R2 and Hafod Lagoons). Hafod R1 and R2 are part of the Johnstown Newt Sites SAC	

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North

Individual broad-leaved tree
Locations are indicative only.

Dense/ continuous scrub

Scattered scrub

Hedgerow

Tall ruderal

Tall ruderal/ Bramble mosaic

Unimproved neutral grassland/ tall ruderal/ Bramble mosaic

Running water

A Arable

Building

Hard-standing/ bare ground

Wall

Fence

Badger/ animal path/ breach

Badger sett

Target Note

Survey Site boundary
Refer to inset.

Inset: Survey Site boundary



This figure contains CONFIDENTIAL information relating to Badgers.

It should not be released to 3rd parties.

C520 Proposed Installation of Solar Photovoltaic Panels on Land off Hafod Road, Johnstown, Wrexham - Preliminary Ecological Appraisal

***Figure 1* - Extended Phase 1 Habitat Survey; SHEET 1 of 2**

Date: 08/04/2025

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10 m 0 50 m
1: 1,000

Base mapping provided by the client.

North

2a
3
5
4
7
6a
6
6b
6c
8
9
10c
10
10a
11
12
12a
10d
10b
10e
10f
A

10 m 0 50 m
1: 1,000

Base mapping provided by the client.

Individual broad-leaved tree
Locations are indicative only.
Dense/ continuous scrub
Scattered scrub
Hedgerow
Tall ruderal
Tall ruderal/ Bramble mosaic
Unimproved neutral grassland/ tall ruderal/ Bramble mosaic
Running water
Arable
Building
Hard-standing/ bare ground
Wall
Fence
Badger/ animal path/ breach
Badger sett
Target Note
Survey Site boundary
Refer to inset.

Inset: Survey Site boundary



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C520 Proposed Installation of Solar Photovoltaic Panels on Land off Hafod Road, Johnstown, Wrexham - Preliminary Ecological Appraisal

***Figure 1* - Extended Phase 1 Habitat Survey; SHEET 2 of 2**

Date: 08/04/2025

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North

1
2
3
4
5

Variegated Yellow-Archangel

Giant Hogweed

Cotoneaster

Target Note

Survey Site boundary
Refer to inset.

Inset: Survey Site boundary

25 m 0 50 m
1: 1,500

Base mapping provided by the client.

C520 Proposed Installation of Solar Photovoltaic Panels on Land off Hafod Road, Johnstown, Wrexham - Preliminary Ecological Appraisal

***Figure 2* - Location of *Schedule 9* Plants**

Date: 22/05/2025

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