

ABERLLEFENNI QUARRY

PRELIMINARY ECOLOGICAL APPRAISAL

JULY 2019

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ABERLLEFENNI QUARRY
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1.0 EXECUTIVE SUMMARY

<p>Site Location</p>	<p>A Preliminary Ecological Appraisal of an area of land at Aberllefenni Quarry, approximate Grid Reference: SH76771008 was undertaken in May 2019. The survey site has an area of approximately 9.4 hectares.</p> <p>The site consists primarily of an area of land historically used as a slate quarry comprising >6.2 ha. As a result of historical and current quarrying activities, the vast majority of the survey area within the proposed development red line boundary consists of spoil heaps and stockpiles of slate of varying grades.</p> <p>Approximately 1.2 hectares of semi-natural broadleaved woodland is present towards the east of the site.</p> <p>A small stream, Afon Llefenni – a tributary of Afon Dulais, runs through the approximate site centre from west to east. This stream has an established riparian zone, consisting primarily of maple, willow and sedge species. A small area of scattered scrub totalling <0.05 ha is present adjacent to the stream.</p> <p>A public footpath bounds the southern red line boundary of the site and adjacent to this consists of a small area (~0.1 ha) of dry heath/acid grassland mosaic.</p> <p>An area of marshy grassland is situated toward the north western boundary of the site and totals approximately 0.16 ha.</p>
<p>Proposed Development</p>	<p>The client proposes to renew a licence to continue abstraction of quarried slate at the quarry. This is due to the previous existing lease coming to the end of its operational working period.</p> <p>It is proposed that the development be linked to that part of the site benefiting from an extant permission for the removal and processing of slate waste tips under planning ref: C10M/0022/02/MW & 5/56/78A and will have direct access onto the adjoining highway.</p> <p>The method of working will utilise an excavator/loading machine to provide material for use as walling stone, general fill and aggregates. This material is to be loaded within lorries for haulage away from the site.</p> <p>There will be no new built development, including building, demolition or clearance works as part of the operation. General site disturbance levels are not likely to increase or decrease as a result of the permit being reissued.</p>
<p>Survey Methodology</p>	<p>The survey was undertaken following standard methods as described in the Chartered Institute of Ecology and Environmental Management (CIEEM) Preliminary Ecological Appraisal 2013 guidelines and the Phase 1 Habitat Survey methodology (Joint Nature Conservation Committee, 2010).</p> <p>The methodology utilised for the survey work comprised a desk study, a habitat survey and a survey of protected and notable species.</p>

Results of Desk Survey	<p>There is one statutory designated site located within 2km of the site: Coed Maes-Mawr, Coed Esgairneiriau a Cheunant Caecenau, a Site of Special Scientific Interest (SSSI) located approximately 0.42km east of the site boundary.</p> <p>There are 13 non-statutory designated sites located within 2km of the site. These consisted entirely of Wildlife Sites – areas which have been classified as locally important for the conservation of wildlife in a county context, despite conferring no statutory protection.</p> <p>The Biological Data Search did not return any protected or priority species or habitat records within the site boundary apart from one record of small heath (<i>Coenonympha pamphilus</i>) in 1999. A number of records were however returned for a range of species and habitats within 2km of the site.</p>
Results of Field Survey	<p>The site consists of the following Phase 1 Habitat types: -</p> <ul style="list-style-type: none"> • A.1.1.1 – Semi-Natural Broadleaved Woodland; • A.2.2 – Scattered Scrub; • B.5 – Marshy grassland; • C.1.1 – Bracken; • D.5 – Dry Heath/Acid Grassland Mosaic; • I.2.1 – Quarry.
Predicted Impacts of Development	<p>It is not currently possible to fully assess the potential impacts due to the need for further surveys with respect to otter.</p> <p>There is no predicted significant effect on other priority species or habitats however due to both the proposal not increasing the level of disturbance or activity, or resulting in the destruction of habitat during operational works.</p>
Recommendations	<p>Further survey work is recommended as a result of the Preliminary Ecological Appraisal and as a result of comments from Gwynedd Biodiversity and NRW; these include: -</p> <ul style="list-style-type: none"> • Otter Surveys – the proposal may lead to increased disturbance near the stream and may results in potential runoff entering the stream; <p>No further survey work is required with regard to other priority or protected species. The client does not propose to undertake any construction, demolition or clearance works and the potential impact of the proposal on other priority or protected species has been determined to be negligible.</p> <p>Further details are set out in Section 6.0 of this report.</p>

2.0 INTRODUCTION

2.1 Brief

ExCAL Ltd was commissioned by Robin Meredith to undertake a Preliminary Ecological Appraisal (PEA) of an area of land at Aberllefenni Quarry, Gwynedd. A desk study and Preliminary Ecological Appraisal were undertaken to gather baseline ecological data for the site in order to inform any potential further ecological survey work that may be required.

The purpose of this report is to provide sufficient information for the local planning authority to fully assess the potential ecological impacts of the proposed development, or to identify what, if any, further information is required before a full assessment can be made.

The result of the PEA has been used to inform whether further surveys are required, or to establish the need, and extent of any mitigation or compensation measures required as part of the proposed development.

2.2 Site Description

The survey site consists of an area of land at Aberllefenni Quarry (Grid Reference: SH76771008) of approximately 9.4 hectares.

The site consists primarily of an area of land historically used as a slate quarry. As a result of historical and current quarrying activities, the vast majority of the survey area within the proposed development red line boundary consists of spoil heaps and stockpiles of slate of varying grades.

Approximately 1.2 hectares of semi-natural broadleaved woodland lies towards the east of the site within the redline boundary. A small stream, Afon Llefenni – a tributary of Afon Dulais, runs through the approximate site centre from west to east. This stream has an established riparian zone, consisting primarily of maple, willow and wild garlic. A public footpath bounds the southern red line boundary of the site and adjacent to this consists of a small area of dry heath/acid grassland mosaic and areas of bracken.

Beyond the western boundary of the site exists improved grassland habitat which was being used for grazing by sheep at the time of the survey. The majority of the boundary towards the south of the site is bounded by historical slate workings and follows the public footpath located here.

The eastern boundary of the site meanwhile is bounded by Pensarn road which merges onto an unnamed private road that runs adjacent to the northern aspect of the quarry. A small village, namely Aberllefenni, is located 50m – 100m south of the south eastern extremity of the site boundary. A large rock face is located to the north of the site and beyond. This was one of the primary working faces of the historical quarrying undertaken at the site.

2.3 Proposed Development

A permit is held by the operator under Planning Permission number: 5/56/78A allowing the extraction and transport of slate from Aberllefenni quarry. This permit was granted on 26th January 1998, and is time limited to 26th January 2018, where the development permitted shall cease 20 years from the date of commencement.

The client proposed to extend this application in order to allow quarry workings to commence.

It is proposed that the development be linked to that part of the site benefiting from an extant permission for the removal and processing of slate waste tips under planning ref: C10M/0022/02/MW & 5/56/78A and will have direct access onto the adjoining.

The method of working will utilise an excavator / loading machine to provide material for use as walling stone, general fill and aggregates. This material is to be loaded within lorries for haulage away from the site.

Proposed working hours will be between Monday and Friday, 07.30 to 18.00, with additional operations being undertaken between 07.30 and 13.00 on Saturdays. The development is to be carried out in phases to as to ensure disturbance levels do not increase. The phasing of the development is to be agreed with the Local Authority during the consultation phase for planning permission.

The historical permission on the adjacent tip includes an output condition which allows for the movement of 120 tonnes per day (6 eight wheeled / 20 tonne loads) subject to an overall cap of 10,000 tonnes per annum.

The proposals would be for comparably low numbers of movements, to be supported by a traffic plan to be provided under separate cover.

A multi-phase restoration strategy would be implemented with works commencing on each phase, following cessation of operations within that phase.

Delegated Report reference no: C16 0038 02 MW for the planning application, application no: Application C16/0038/02/MW dated 18th January 2016 stated the following: -

“The proposed development does not fall within the description and criteria set out in Schedule 1 of the Town and Country Planning (Environmental Impact Assessment) (England and Wales) Regulations 1999. The development does fall within the description of development set out in paragraph 2 to Schedule 2 of the Regulations (quarries, open cast mining and peat extraction).

Having screened and assessed the proposal in accordance with the development criteria under Schedule 3, it is considered that the likely impact of the development on the environment is insufficient to justify the submission of an environmental impact assessment with the planning application.”

2.4 Previous Statements by Gwynedd Council Biodiversity Unit and NRW

The application area forms part of a Candidate Wildlife Site under policy B17 of the UDP (Bluemaris 1625) “*open mosaic habitat on previously developed land*”.

The site has been subject to recent disturbance and as a result, the level of vegetation remains low in working areas. Concerns were raised about the potential impact of the proposals on the adjacent Afon Llefenni and vegetation along the river bank.

The following statements were made by Gwynedd Council Biodiversity Unit with respect to the proposal: -

- Measures should be implemented to protect the wildlife river corridor, adjoining river vegetation and associated species by imposing a buffer zone to curtail the extent of the mineral workings;
- Annual photographic survey of riverside vegetation to be undertaken during the summer months;
- Pollution prevention plan to be agreed prior to the implementation of the workings in the interests of protecting the river water together with a vegetation and habitat map;
- The location of all trees around the periphery of the site should be mapped and thereafter protected for the duration of the development.

In addition, the following statements were made by NRW with respect to the proposal: -

- Agree with Gwynedd Biodiversity that a buffer should be imposed in the interests of protecting the river and wildlife corridor. Request that the river and the tree line along its banks are protected from damage and light pollution in order to maintain a commuting route for bats and otters;
- Applicants should review the guidance in the NRW publication, ‘Pollution Prevention Guide 5 – works and maintenance in or near water in order to prevent sedimentation or discolouration of the Afon Llefenni’;
- Recommend consultation with the National Park authority with respect to potential landscape impacts.

2.5 Limitations

The desk study and field survey will not produce a comprehensive list of plants and animals as this will be limited by factors that influence their presence. However, an assessment can be made of the habitats within the survey area, their conservation value and potential to support protected or priority species.

No other limitations were encountered or assumptions made during either the desk study or the field survey and it is considered that with the access gained and recording undertaken an accurate assessment of the site’s ecological value has been made.

3.0 METHODS

The survey was undertaken following standard methods as described in the Chartered Institute of Ecology and Environmental Management (CIEEM) Preliminary Ecological Appraisal 2013 guidelines and the Phase 1 Habitat Survey methodology (Joint Nature Conservation Committee, 2010). The methodology utilised for the survey work comprised a desk study, a habitat survey and a survey of protected and notable species.

3.1 Desk Study

A request was submitted to the North Wales Environmental Information Service (COFNOD) for information on statutory and non-statutory sites within a 2km radius of the site. This search included sites such as Special Areas of Conservation (SAC), Sites of Special Scientific Interest (SSSI), National Nature Reserve (NNRs) or Local Nature Reserves (LNRs), as well as areas of ancient semi-natural woodland (ASNW) and protected species records.

The citations of all the Statutory Sites within 2km of the site were consulted to determine whether any of them had features or species which could be affected by the development proposals.

3.1.1 Landscape context

The site and wider landscape was assessed and characterised through the use of aerial images, OS maps and COFNOD habitat/protected site maps.

The presence of features and habitats which add to the ecological value of the site within the wider area and landscape, such as: woodland, hedgerows, watercourses, linear features etc. are identified and assessed in order to determine how they characterise and enhance the ecological value of the general landscape.

3.2 Field Survey

3.2.1 Personnel

The Preliminary Ecological Appraisal survey was undertaken in good weather in April and May 2019 by Stephen Owen BSc (Hons) GradCIEEM.

3.2.2 Vegetation and Habitats

The vegetation and habitat types present within the site were categorised and mapped in accordance with the standard Phase 1 Habitat assessment methodology (Joint Nature Conservation Committee, 2010).

Dominant plant species were recorded for each habitat and other features of interest. Target notes were used to provide supplementary information on features of particular ecological interest where applicable, such as habitats with potential to support protected species.

Following completion of the survey, a colour coded habitat plan was digitised using AutoCAD to show the extent and distribution of the different habitat types present within the site, this is presented in Appendix A.

Although the presence of invasive plant species listed on Schedule 9 of the Wildlife and Countryside Act (1981), as amended, such as Japanese knotweed (*Fallopia japonica*) was recorded within 0.5km of the site, no evidence of invasive species was recorded within the proposal boundary.

3.2.3 Protected and notable species

During the survey, emphasis was placed on searching for evidence of and potential of habitats and features supporting protected or notable species, especially those meeting any of the following criteria: -

- Species protected by UK or European legislation;
- Species listed under the Conservation of Habitats and Species Regulations 2010 (as amended), the Wildlife and Countryside Act 1981 (as amended), including those given extra protection under the Natural Environment and Rural Communities (NERC) Act 2006;
- UK Biodiversity Action Plan (UK BAP) priority species or Local BAP (LBAP) species;
- Nationally rare or nationally scarce species;

- Species of Conservation Concern (e.g. JNCC Red List, RSPB/BTO Red or Amber Lists).

4.0 RESULTS

4.1 Desk Study

Ecological data was obtained from COFNOD on 4th June, 2019.

4.1.1 Statutory Designated Sites

One statutory designated site is located within 2km of the site, namely Coed Maes-Mawr, Coed Esgairneiriau a Cheunant Caecenau (SSSI) located approximately 0.42km east of the site.

The site is of special interest as one of the best examples in Montgomeryshire of a western oak - birch woodland with a rich Atlantic bryophyte and lichen flora.

A population of dormouse *Muscardinus avellanarius* has been recorded from the hazel hedgerow which forms part of the northern boundary of Caecenau gorge.

The whole woodland supports a typical range of western sessile oak woodland birds, including pied flycatcher *Ficedula hypoleuca* and redstart *Phoenicurus phoenicurus*.

4.1.2 Non-Statutory Designated Sites

13 non-statutory designated sites are located within 2km of the site. These consisted entirely of Wildlife Sites – areas which have been classified as locally important for the conservation of wildlife in a county context, despite conferring no statutory protection. Wildlife Sites within 2km of the search area are listed below: -

Table 1: Non-Statutory Designated Sites within 2km of the Site

Site Type	Distance from Site (m)	Site Name
Wildlife Sites	12	1625: Bluemaris Quarry
Wildlife Sites	136	1610: Nant Cwmcelli
Wildlife Sites	342	1608: Foel Crochan
Wildlife Sites	526	1609: Craig Hen-gae
Wildlife Sites	798	1607: Pont Cymerau
Wildlife Sites	870	1605: Mynydd Cymerau
Wildlife Sites	1027	1606: Ffridd Coed
Wildlife Sites	1178	1611: Garneddwen
Wildlife Sites	1305	1603: Mynydd Ffynnon Badarn
Wildlife Sites	1495	1604: Ffynnon-Badarn
Wildlife Sites	1755	1613: Mynydd Abercorris
Wildlife Sites	1815	1612: Tan-yr-allt
Wildlife Sites	1832	1623: Abercorris Quarry

4.1.3 Ancient Woodland

There are 55 ancient woodland sites located within 2km of the site, the closest of which is classified as 27144: Ancient Semi Natural Woodland located approximately 0.14km south-east of the site boundary.

4.1.4 Protected Species Records

The biological data gained from COFNOD has been summarised overleaf. Only records within 2km of the site have been included.

4.1.4.1 Birds

The data search returned 18 records of birds. These records included a total of 13 species of birds within 2km of the site (COFNOD, 2019). Bird species recorded within 2km of the survey site and any relevant designations are listed in Table 2 below: -

Table 2: Protected Bird Species Recorded within 2km of the Survey Site

Species Name	Designations
Lesser Redpoll (<i>Acanthis cabaret</i>)	S7, UKBR, WBR, LBAP
Long-tailed Tit (<i>Aegithalos caudatus</i>)	WBA
Tree Pipit (<i>Anthus trivialis</i>)	Bern, S7, UKBR, WBA, LBAP
House Martin (<i>Delichon urbicum</i>)	Bern, UKBA, WBA, LBAP
Peregrine (<i>Falco peregrinus</i>)	BDir1, Bern, CITES, WCA1.1, LBAP
Spotted Flycatcher (<i>Muscicapa striata</i>)	Bern, S7, UKBR, WBR, LBAP
Coal Tit (<i>Periparus ater</i>)	Bern, WBA, LBAP
Redstart (<i>Phoenicurus phoenicurus</i>)	Bern, UKBA, WBA, LBAP
Wood Warbler (<i>Phylloscopus sibilatrix</i>)	S7, UKBR, WBR, LBAP
Chough (<i>Pyrrhocorax pyrrhocorax</i>)	BDir1, Bern, S7, WBA, WCA1.1, WCA9, LBAP
Goldcrest (<i>Regulus regulus</i>)	Bern, WBA, LBAP
Woodcock (<i>Scolopax rusticola</i>)	BDir2.1, UKBR, WBA, LBAP
Song Thrush (<i>Turdus philomelos</i>)	BDir2.2, Bern, S7, UKBR, WBA, LBAP

BDir1	EU Birds Directive Annexe 1
BDir2.1	EU Birds Directive Annexe 2.1
BDir2.2	EU Birds Directive Annexe 2.2
Bern	Bern Convention on the Conservation of European Wildlife and Natural Habitats
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
LBAP	Local Biodiversity Action Plan species for the listed area
S7	Environment (Wales) Act 2016 (Section 7)
UKBA	RSPB UK Birds Amber List (not based on IUCN criteria)
UKBR	RSPB UK Birds Red List (not based on IUCN criteria)
WBA	RSPB Welsh Birds Amber List (not based on IUCN criteria)
WBR	RSPB Welsh Birds Red List (not based on IUCN criteria)
WCA1.1	Wildlife & Countryside Act 1981 Schedule 1.1 (Birds which are protected at all times)
WCA9	Wildlife & Countryside Act 1981 Schedule 9 (Non-native animals and plants which are established in the wild)

The nearest birds recorded consisted of coal tit, goldcrest, house martin and song thrush. These were recorded approximately ~0.71km north-east of the survey area in 2015.

4.1.4.2 Reptiles

The data search returned 3 records of reptiles within 2km of the site for common lizard (*Zootoca vivipara*) (Bern, S7, WCA5, LBAP) and slow worm (*Anguis fragilis*) (Bern, S7, WCA5, LBAP). The closest record consisted of a slow worm approximately 0.71km north-east of the site (COFNOD, 2019).

4.1.4.3 Amphibians

No Great Crested Newt records were returned within 2km of the site.

The data search returned 2 records of reptiles within 2km of the site for common toad (*Bufo bufo*) (Bern, S7, WCA5, LBAP) and common frog (*Rana temporaria*) (Bern, HDir, WCA5, LBAP); the closest record being approximately 0.84km south of the survey area (COFNOD, 2019).

4.1.4.4 Badgers

The data search returned 2 records of badgers (*Meles meles*) (Bern, PBA, LBAP) within 2km of the site, the closest being approximately 0.1km south-east of the site (COFNOD, 2019).

4.1.4.5 Otters

The data search returned 4 records for otter (*Lutra lutra*) (Bern, CITES, EPS, HDir, RD2(UK), S7, WCA5, LBAP) within 2km of the site, the closest being approximately 0.61km south of the site (COFNOD, 2019).

4.1.4.6 Bats

The data search returned 9 records of bats within 2km of the site. A summary of bats found within 2km of the survey site are listed in Table 3 below: -

Table 3: Bat Species Recorded within 2km of the Survey Site

Species Name	Distance from Site (m)	Designations
Common Pipistrelle (<i>Pipistrellus pipistrellus</i>)	342	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP
Unknown Bat	347	EPS, S7, WCA5, LBAP
Unknown Bat	608	EPS, S7, WCA5, LBAP
Natterer's Bat (<i>Myotis nattereri</i>)	608	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP
Noctule Bat (<i>Nyctalus noctula</i>)	608	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP
Brown Long-eared Bat (<i>Plecotus auritus</i>)	608	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP
Unknown Bat	634	EPS, S7, WCA5, LBAP
Unknown Bat	1678	EPS, S7, WCA5, LBAP
Myotis Bat Species	1678	Bern, EPS, HDir, S7, WCA5, LBAP

- Bern** Bern Convention on the Conservation of European Wildlife and Natural Habitats
- EPS** European Protected Species
- HDir** EU Habitats Directive
- RD2(UK)** Red Data Book listing for the UK not based on IUCN guidelines
- S7** Environment (Wales) Act 2016 (Section 7)
- WCA5** Wildlife & Countryside Act 1981 Schedule 5 (Animals which are protected from killing and taking, possession, disturbance and sale)
- LBAP** Local Biodiversity Action Plan species for the listed area

4.1.4.7 European Hare

6 records of European Hare (*Lepus europaeus*) (S7, LBAP) were returned within 2km of the survey site. The nearest record was from approximately 0.89km north-east of the survey site.

4.1.4.8 Hazel Dormouse

11 records of Hazel Dormouse (*Muscardinus avellanarius*) (Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP) were returned within 2km of the survey site. The nearest record was approximately 0.42km west of the survey site. This record is situated within Coed Maes-Mawr, Coed Esgairneiriau a Cheunant Caecenau SSSI.

4.1.4.9 Fish

6 records of fish were returned within 2km of the survey site. All records were returned for Brown/Sea Trout (*Salmo trutta*), the closest being ~0.7km north-west of the survey site. Brown trout is both an S7 and LBAP species.

4.1.4.10 Invertebrates

The data search returned 15 records of invertebrates within 2km of the site (COFNOD, 2019). The species recorded are visible in Table 4 overleaf.

Table 4: Invertebrate Species Recorded within 2km of the Survey Site

Species Name	Distance from Site (m)	Designations
Common Hawker (<i>Aeshna juncea</i>)	100	LBAP
Golden-ringed Dragonfly (<i>Cordulegaster boltonii</i>)	100	LBAP
Common Blue Damselfly (<i>Enallagma cyathigerum</i>)	100	LBAP
Emerald Damselfly (<i>Lestes sponsa</i>)	100	LBAP, LI[VC50]
Four-spotted Chaser (<i>Libellula quadrimaculata</i>)	100	LBAP
Large Red Damselfly (<i>Pyrrhosoma nymphula</i>)	100	LBAP
Common Darter (<i>Sympetrum striolatum</i>)	100	LBAP
Small Heath (<i>Coenonympha pamphilus</i>)	361 / 781	RD1(UK)NT, S7, LBAP
High Brown Fritillary (<i>Argynnis adippe</i>)	1166	RD1(UK)CR, S7, WCA5, LBAP
Azure Damselfly (<i>Coenagrion puella</i>)	1487	LBAP
Large Red Damselfly (<i>Pyrrhosoma nymphula</i>)	1487	LBAP
Ashworth's Rustic (<i>Xestia ashworthii</i>)	2122	S7, LBAP
Pearl-bordered Fritillary (<i>Boloria euphrosyne</i>)	2122	RD1(UK)EN, S7, WCA5, LBAP
Wall (<i>Lasiommata megera</i>)	2122	RD1(UK)NT, S7, LBAP

- LBAP** Local Biodiversity Action Plan species for the listed area
LI[VC50] Locally Important within the listed area
RD1(UK) Red Data Book listing for the UK not based on IUCN guidelines
S7 Environment (Wales) Act 2016 (Section 7)
WCA5 Wildlife & Countryside Act 1981 Schedule 5 (Animals which are protected from killing and taking, possession, disturbance and sale)

4.1.4.11 Flora

54 flowering plant records and 73 records of lichens including invasive species were returned within 2km of the site. Records within 0.5km of the site are visible in Tables 5 and 6.

Table 5: Flowering Plant Species Recorded within 0.5km of the Survey Site

Species Name	Distance from Site (m)	Designations
Japanese Knotweed (<i>Fallopia japonica</i>)	60	INNS, WCA9
<i>Rhododendron ponticum</i>	127	INNS, WCA9
Montbretia (<i>Crocsmia pottsii x aurea = C. x crocosmiiflora</i>)	129	INNS, WCA9
Variiegated Yellow Archangel (<i>Lamiastrum galeobdolon subsp. Argentatum</i>)	129	INNS, WCA9
<i>Rhododendron ponticum</i>	136	INNS, WCA9
<i>Rhododendron ponticum</i>	161	INNS, WCA9
<i>Rhododendron ponticum</i>	168	INNS, WCA9
Japanese Knotweed (<i>Fallopia japonica</i>)	192	INNS, WCA9
<i>Rhododendron ponticum</i>	311	INNS, WCA9
Japanese Knotweed (<i>Fallopia japonica</i>)	465	INNS, WCA9

- INNS** Invasive Non-native Species
BDir2.1 EU Birds Directive Annex 2.1

Table 6: Lichen Species Recorded within 0.5km of the Survey Site

Species Name	Distance from Site (m)	Designations
Lobaria amplissima	400	RD1(Wales)VU, S7, LBAP
Lobaria pulmonaria	400	RD1(Wales)VU, S7, WCA8, LBAP
Lobaria virens	400	RD1(Wales)EN, S7, LBAP

RD1(Wales) Red Data Book listing for Wales based on IUCN guidelines
S7 Environment (Wales) Act 2016 (Section 7)
LBAP Local Biodiversity Action Plan species for the listed area
WCA8 Wildlife & Countryside Act 1981 Schedule 8 (Plants which are protected)

4.2 Field Survey

The results of the general survey of the habitats and vegetation are shown on a Phase 1 Habitat Map in Appendix A - Drawings.

4.2.1 Habitat Types and Descriptions

The site consists of the following Phase 1 Habitat types: -

- A.1.1.1 – Semi-Natural Broadleaved Woodland;
- A.2.2 – Scattered Scrub;
- B.5 – Marshy grassland;
- C.1.1 – Bracken;
- D.5 – Dry Heath/Acid Grassland Mosaic;
- I.2.1 – Quarry.

4.2.1.1 Semi-Natural Broadleaved Woodland

The eastern boundary of the site comprises almost entirely of ~1.2 ha semi-natural broadleaved woodland. A stream runs through the woodland leading to a wet and swamp like understory that formed small pools on the ground.

The dominant species of the understory consisted of glittering-wood moss (*Hylocomium splendens*) which was interlaced with frequent marsh marigold (*Caltha palustris*), viola species, occasional creeping buttercup (*Ranunculus repens*), greater plantain (*Plantago major*), common bluebell (*Hyacinthoides non-scripta*) swamp beacon (*Mitula* genus) and red-stemmed feather moss (*Pleurozium schreberi*).

In addition to an area of woodland to the east of the site, the riparian zone of the stream that runs through the site consisted primarily of semi-natural broadleaved woodland. The dominant species consisted of field maple (*Acer campestre*) and grey willow (*Salix cinerea subsp. oleifolia*), frequent rough horsetail (*Equisetum hyemale*), with occasional European alder (*Alnus glutinosa*), silver birch (*Betula pendula*) and European beech (*Fagus sylvatica*) comprising the majority of the woodland in this location.

The understory of the riparian zone was dominated by dense sedge (*Scirpus* genus) – this was unable to be identified to species level due to lack of suitable key features such as flowers to aid with the identification process. Small stands of European gorse (*Ulex europaeus*) and bramble (*Rubus fruticosus*) were also found adjacent to the stream.

The woodland and surrounding area were surveyed for the potential to support protected species. No evidence of protected species has been identified within these locations. Similarly, due to a lack of variation in vegetation within the woodland, its boggy understory and lack of suitable habitat, it is not believed that the woodland is suitable to support badger or dormouse populations.

No suitable roosting habitat was noted within cracks in the bark of trees within the woodland.

4.2.1.2 Scattered scrub

Small areas of scattered scrub habitat were located around the stream in some locations. This habitat type consisted primarily of bramble, gorse and grey willow, with an understory of sedge, wild privet (*Ligustrum vulgare*) and occasional teasel (*Dipsacus fullonum*).

The quantity of scrub on site was low, and a total estimate of scattered scrub present on site is <0.05 ha.

The scattered scrub onsite is fragmented in nature. Although the vegetation is likely to provide feeding opportunity for small mammals and birds, the pathways and habitat linkages due to its fragmented nature is of poor quality.

4.2.1.3 Marshy Grassland

An area of marshy grassland is situated toward the north western boundary of the site and totals approximately 0.16 ha.

Conditions underfoot were again waterlogged in this location. Species recorded include opposite-leaved golden saxifrage (*Chrysosplenium oppositifolium*), dominant sedges (*Carex* genus), water dropwort (*Oenanthe* genus), *Ribes janczewskii* (*Ribes janczewskii*), stands of rowan (*Sorbus aucuparia*), marsh marigold, creeping buttercup, common haircap moss (*Polytrichum commune*), common bird's-foot-trefoil (*Lotus corniculatus*), rosebay willowherb (*Chamaenerion angustifolium*) hard rush (*Juncus inflexus*), soft rush (*Juncus effusus*) and glittering wood-moss.

4.2.1.4 Bracken

A small area of common bracken (*Pteridium aquilinum*) habitat was identified towards the eastern boundary of the site adjacent to the semi-natural broadleaved woodland. Bracken was the dominant species and monopolised this location, preventing much growth of other plant species here.

Rosebay willowherb in this location was also abundant and was found to be opportunistically using small gaps within the bracken in which to establish.

Given the nature of the habitat in this location and the proximity of badgers to the site, this area was extensively surveyed for any evidence of badgers; hair, setts etc. No evidence of badgers was found in this location.

Given the lack of species variety and quality in this location, the bracken has been categorised of being of poor ecological value.

4.2.1.5 Dry Heath/Acid Grassland Mosaic

A small area towards the south east of the site consists of dry heath/acid grassland mosaic habitat of ~0.1 ha size. A small number of coniferous trees were found growing between this habitat and the slate stockpiles.

Species recorded include dominant common heather (*Calluna vulgaris*), occasional heather of the *Erica* genus, glittering wood-moss, Sitka spruce (*Picea sitchensis*), Norway spruce (*Picea abies*), European larch (*Larix decidua*),

4.2.1.6 Quarry

The majority of the survey area consisted of operational working areas in the form of a working slate quarry >6.2 ha in size. This area consists of stockpiles of slate of varying sizes and slate grades. Vehicular movement is not uncommon on the site, and consists of wheel loaders moving slate from stockpiles into articulated lorries for transport to sale.

Much of the quarry area consists of compacted slate forming tracks around the site and allowing access to the stockpiles for loading.

Vegetation is sparse in these areas. Opportunistic species such as gorse have managed to establish themselves in some areas, but these are limited. Other species were observed to be in isolated numbers, growing through gaps in the slate where possible. Some of these species consisted of; rosebay willowherb, common heather, grey willow, Norway spruce, European spruce and various grasses and mosses.

As a result of a lack of vegetation and suitable habitat, quarry areas were determined to be of low to negligible ecological value.

4.2.1.7 Stream

A small stream runs from the north-west to the south-east of the site. As the stream progresses toward the south-eastern corner it begins to widen, and pools in some areas of the semi-natural broadleaved woodland. The water within the stream was of very low turbidity and was observed to support some small unidentified fish species.

No otter spraint or other field signs were observed during the preliminary ecological appraisal. COFNOD data searches however indicate that although otter has not been identified on the survey site, it has been recorded within 2km of the site boundary.

The stream was identified as having the potential to support otter even though no evidence of otter use was observed during the survey.

4.2.2 *Priority and Protected Species*

4.2.2.1 Birds

On-site habitat was considered suitable for both ground and tree nesting birds. The site was also assessed as providing suitable foraging habitat for birds.

No records of priority species were recorded whilst on site and similarly, data searches have not identified any protected or priority species onsite. However, these were recorded within 2km of the site, and given the highly mobile nature of birds, it is not unlikely that protected or priority species birds utilise the site for feeding or nesting opportunities.

No clearance works are being undertaken as part of the proposal and as such, the impact of the proposal on protected or priority species birds will be negligible.

If any changes to the proposal are made which lead to the inclusion of clearance works, we would recommend that these are undertaken outside of the breeding bird season (March – September inclusive) so as to minimise the risk of disturbance or damage to potential nesting breeding bird populations.

4.2.2.2 Bats

Given that COFNOD data searched highlighted the presence of a number of bat species within 2km of the site, the nearest of which being 342m away, and due to the presence of suitable outbuildings on site for roosting, there is the potential for the site to support bat populations.

As part of the preliminary ecological appraisal, one of the open outbuildings was inspected for the potential to support bats. Droppings were found within the building and upon closer inspection were confirmed to be from an unknown bat. The age of the droppings was not confirmed.

The site has been classified as having a moderate ecological value for bats as a result of the suspected utilisation of the outbuildings on site by bats along with the riparian zone of the stream that provides good feeding and commuting opportunities.

The proposal will have no detrimental impact on bats. No clearance, demolition or construction works will be undertaken as part of the proposal, and the renewal of the operational licence will not lead to an increase of disturbance on bat populations that may be present on site.

4.2.2.3 Badgers

No badger setts or evidence of badger activity was recorded within the site boundary or within the vicinity of the site boundary. However, it should be noted that COFNOD data searches returned records for badger from November 2011 within 81m of the south-eastern site boundary (the record states that two holes identified – one collapsed and one in use) and 103m of the south-eastern site boundary (the record states a six hole annexe sett identified that was in use).

Although badgers do not utilise the site for habitat with no current or historical setts found during the PEA, it is not unlikely that the badgers from the surrounding area may use the site for foraging purposes.

However, given that the proposal will not be leading to an increase in disturbance as a result of clearance, demolition or construction works, there will be no negative impact on badgers.

4.2.2.4 Otters

No evidence of otter was noted on site with no holts, resting sites or hovers being recorded within the site or immediate vicinity.

Records for otters were returned within 2km of the survey site during the desk study however. In addition, the stream on site does have the potential to support otter populations.

Given that some of the slate material near to the stream is included within the licence application, the potential exists for quarrying activities to have a minor impact on the stream in the form of audio and visual disturbance and potential runoff.

It is recommended that, given that there is the potential for the proposal to have a negative effect on the stream onsite, an otter survey should be undertaken in order to identify whether they are present within the stream, and, if so, in order to apply for a European Protected Species licence and mitigate should disturbance be unavoidable.

4.2.2.5 Reptiles

The survey was undertaken within the peak survey months for reptiles. The site was evaluated to possess suitable habitat for reptiles due to the variable mosaic of habitats with a mixture of vegetation heights and bare patches.

COFNOD data searches also indicated that slow-worm and common lizard are present within 2km of the site. The proposal does not include any vegetation removal or development, and activities are remaining consistent with those currently being undertaken.

As a result, there will be no habitat loss with respect to reptiles, and there will be no adverse effect on reptile populations as a result of the proposal.

4.2.2.6 Great Crested Newts and Other Amphibians

The local records search returned no records for great crested newt in the vicinity of the site.

There is little potential habitat for amphibians on site. A stream is present on site, but there is little standing water in which amphibians can lay their eggs.

There will not be a negative impact on great crested newt or other amphibians as a result of the proposed development.

4.2.2.7 Invertebrates

One priority or protected invertebrate species was recorded within the site boundary in 1999 for small heath. In addition, suitable invertebrate habitat and foraging opportunity was identified to be present on site.

The proposal does not involve any vegetation clearance. There will be no loss of habitat or feeding opportunity with respect to invertebrates as a result of the proposal.

There will be no negative impact on invertebrates as a result of the proposal.

4.2.2.8 Invasive Species

No invasive plant species were identified within the red line boundary during the PEA. However, it should be noted that Japanese knotweed was identified within 60m of the south-eastern site boundary.

Given that Japanese knotweed has the potential to grow up to 7m away from the source plant however, there is the potential for knotweed to have encroached onto the site in this location.

Japanese Knotweed is classed as an invasive species plant due to its rapid annual growth and relentless spread.

Under the provisions made within the Wildlife and Countryside Act 1981, it is an offence to cause Japanese Knotweed to grow in the wild. Japanese Knotweed is commonly found at disturbed habitats within development areas, often near to watercourses and on waste ground.

Although no knotweed was identified directly on site, we would recommend that the vegetation toward the south-eastern border is inspected frequently to ensure that the knotweed is not spreading onto the site. In the event that knotweed is identified, we would recommend a specialist eradication programme is undertaken in order to further prevent the spread if applicable.

5.0 EVALUATION OF ECOLOGICAL FEATURES AND IDENTIFICATION OF POTENTIAL IMPACTS

5.1 Priority Habitats and Species

UK BAP priority habitats and species were those that were identified as being the most threatened and requiring conservation action under the UK Biodiversity Action Plan (UK BAP). As a result of devolution, conservation action is now focussed at a country-level rather than a UK-level, and the UK BAP was succeeded by the UK Post-2010 Biodiversity Framework in July 2012. The UK list of priority species, however, remains an important reference source and has been used to help draw up statutory lists of priority species and habitats in the four countries of the UK.

The Environment Wales Act (2016) (EWA) Section 6 places a duty on public authorities to 'seek to maintain and enhance biodiversity' and seek to 'promote the resilience of ecosystems'. The duty replaces the section 40 duty in the Natural Environment and Rural Communities Act 2006 (NERC Act 2006), in relation to Wales, and applies to those authorities that fell within the previous duty. Section 7 lists both Priority Species and Habitats of Principle Importance for the purpose of maintaining and enhancing biodiversity in relation to Wales.

5.1.1 Species

The desk study returned several records of protected species within 2km of the survey site. Historically, data searches have not identified any protected species within the survey area.

No protected or priority species were recorded during the walkover survey.

5.2 Ecological Features

The site consisted of varied habitats which were considered to be of low-moderate local ecological value.

It is considered likely that the site offers foraging opportunity for bats.

The stream present on the site (Afon Llefenni) in conjunction with protected species data searches and the immediate habitat are considered potentially suitable for use by otter. Consideration should be given to otter due to the potential for the quarrying activities to cause disturbance near the stream and potentially result in a small amount of sediment runoff entering the stream on site.

5.3 Potential Impacts

It is not currently possible to fully assess the potential impacts due to the need for further surveys with respect to otter on site.

Given that the client is not proposing to undertake any new activities on site, the application is for a licence renewal, and no significant additional disturbance will be imposed upon the site, the proposal will not have a significant effect on priority or protected species.

As a result, we would recommend that further survey work is undertaken with respect to otter on the proposal site. No further survey work is required or recommended with respect to other priority or protected species as there will be no negative impact or net loss of their habitat.

6.0 RECOMMENDATIONS

6.1 Further Survey Work

The client does not intend to remove any established vegetation or undertake any new activities as part of the permit application. There will be no net habitat loss as a result of the proposal as the client intends only to renew a working licence.

The proposal will not lead to an increase in disturbance or cause any damage to existing habitat or foraging opportunity. As a result, given that the impact of the proposal is negligible, further survey work has not been recommended for most priority and protected species.

An exception has been made with otter however due to the potential for the quarrying activities to lead to runoff entering the stream on site.

Designated sites in the nearby vicinity are sufficiently well separated so that no impacts on their designated features are anticipated as a result of the proposal.

Recommendations regarding protected species are shown in Table 7 below: -

Table 7: Recommended Further Survey Work

Species	Ecological Impact of Proposal	Recommendations
Birds	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	Should the proposal change to include vegetation clearance, this is to be undertaken outside of the breeding bird season (March – September inclusive). In the event that clearance work has to be undertaken during the nesting season, a breeding bird survey will be required and must be carried out by a suitably qualified person. Any active nests identified should be protected until the young have fledged. Where a Schedule 1 species is involved, compensation for impacts, e.g., loss of nesting sites, should be devised and implemented.
Reptiles	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	No further survey work is recommended with respect to reptiles.
Amphibians	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	No further survey work is recommended with respect to amphibians.
Badgers	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	No further survey work is recommended with respect to badgers.
Otters	Moderate/Minor – There is the potential for the proposal to lead to an increase in activity on stockpiles near to the stream on site. This could lead to potential disturbance and/or runoff from quarrying activities entering the stream.	We would recommend that further survey work with respect to otter is undertaken in order to determine whether they are utilising the stream to mitigate / apply for a European Protected Species Licence should their presence be confirmed.
Bats	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	No further survey work is recommended with respect to bats.
Hare	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	No further survey work is recommended with respect to hare.

Species	Ecological Impact of Proposal	Recommendations
Hazel Dormouse	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	No further survey work is recommended with respect to hazel dormouse.
Invertebrates	Negligible - There will be no net habitat loss or increased disturbance as a result of the proposal.	No further survey work is recommended with respect to invertebrates.

It should be noted that recommendations are correct at the time of writing (July 2019).

Should any amendments be made to the proposal or should the client wish to significantly increase or change the activities on site as part of the permit application, the ecology of the site should be reviewed again, the site resurveyed and impacts and recommendations should be subsequently updated to reflect this.

7.0 REFERENCES

Biodiversity Reporting & Information Group (2007) *Report on the Habitats & Species Review: A Report to the UK Biodiversity Partnership*. Joint Nature Conservation Committee, Peterborough.

CIEEM Chartered Institute of Ecology and Environmental Management (2006) Guidelines for Ecological Impact Assessment in the United Kingdom. Chartered Institute of Ecology and Environmental Management, Winchester.

CIEEM Chartered Institute of Ecology and Environmental Management (2013) Guidelines for Preliminary Ecological Appraisal. Chartered Institute of Ecology and Environmental Management, Winchester.

COFNOD (2019) Biodiversity Information

HM Government (2010) Wildlife and Countryside Act 1981. HM Government.

Joint Nature Conservation Committee (2010) Handbook for Phase 1 Habitat Survey – a Technique for Environmental Audit.

Joint Nature Conservation Committee (2016) UK BAP Priority Species and Habitats. Accessed [18.10.17]

APPENDIX A

Phase 1 Habitat Map



- Q - Quarry
- Marshy Grassland
- Mixed Semi Natural Woodland
- x x x
x x x - Scattered Scrub
- Dry Heath
- . . .
. . . - Bracken
- River

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- Aberllefenni Quarry

Title:
Phase 1 Habitat Survey

Date: July 2019

Scale: NTS

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Revision No: Date: 22/07/19

APPENDIX B

Species List

Cofnod Environmental Information Search (PUBLIC VERSION)

Our Reference	E07376
Your Reference	Aberllefenni Quarry
Requested By	ExCAL Limited
Data Users	Stephen Owen, Environmental Consultant, ExCAL Limited Robin Meredith, Client
Search Date	04/06/2019
Expiry Date	04/12/2019
Search Type	Chargeable

Important Issues

- Use of the data is governed by Cofnod's [Terms & Conditions](#).
- Data marked as confidential or sensitive must not be released into the public domain, with the exception of the Public Version of the PDF report, which has had sensitive information removed or restricted.
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- Please [contact us](#) if you have any questions about using the data or wish to add further Data Users.

Notes

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

Data Description

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

- PUBLIC VERSION -

Abbreviations

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

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Search Location	Grid Reference
Aberllefenni	SH770099

Birds										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Acanthis cabaret</i> (Lesser Redpoll / Llinos Bengoch Leiaf)	SH7910 (Approximate)	29/07/2011	Recorder Name Withheld			Meirionnydd (VC): Mynydd Cwmcelli	Breeding Code: H: Suitable nesting Habitat	D0061/011/01	S7, UKBR, WBR, LBAP[CON, DEN]	4
<i>Aegithalos caudatus</i> (Long-tailed Tit / Titw Cynffon-Hir)	SH7610 (Approximate)	27/05/2011	Recorder Name Withheld			Meirionnydd (VC): Aberllefenni north	Breeding Code: FL: Recently Fledged Young	D0061/011/01	WBA	4
<i>Anthus trivialis</i> (Tree Pipit / Corhedydd y Coed)	SH7610 (Approximate)	27/05/2011	Recorder Name Withheld			Meirionnydd (VC): Aberllefenni north	Breeding Code: S: Singing male	D0061/011/01	Bern, S7, UKBR, WBA, LBAP[CON, DEN, FLI, GWY]	4
<i>Delichon urbicum</i> (House Martin / Gwennol y Bondo)	SH7710	06/06/2015	Recorder Name Withheld	20+		Aberllefenni (North) and Cwm Ratgoed	BTO Breeding Status: X	D1297/020/01	Bern, UKBA, WBA, LBAP[CON]	4
<i>Falco peregrinus</i> (Peregrine / Hebog Tramor)	SH71 (Estimated Centroid of Site)	2 records, between 28/03/1980 and 1985	Recorder Name Withheld	1 Nesting Pair; Nesting Pair		Site Name Withheld	Comments Withheld	D0026/257/01	BDir1, Bern, CITES, WCA1.1, LBAP[ANG, CON, GWY]	4
<i>Muscicapa striata</i> (Spotted Flycatcher / Gwybedog Mannog)	SH777102	06/06/2015	Recorder Name Withheld	1		Aberllefenni (North) and Cwm Ratgoed		D1297/020/01	Bern, S7, UKBR, WBR, LBAP[CON, DEN, FLI, GWY]	4
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SH7710	06/06/2015	Recorder Name Withheld			Aberllefenni (North) and Cwm Ratgoed	BTO Breeding Status: S	D1297/020/01	Bern, WBA, LBAP[CON]	4
<i>Periparus ater</i> (Coal Tit / Titw Penddu)	SH7610 (Approximate)	20/07/2011	Recorder Name Withheld			Meirionnydd (VC): Aberllefenni north	Breeding Code: FL: Recently Fledged Young	D0061/011/01	Bern, WBA, LBAP[CON]	4
<i>Phoenicurus phoenicurus</i> (Redstart / Tingoch)	SH777115	06/06/2015	Recorder Name Withheld	1		Aberllefenni (North) and Cwm Ratgoed		D1297/020/01	Bern, UKBA, WBA, LBAP[CON, GWY, SNP]	4
<i>Phoenicurus phoenicurus</i> (Redstart / Tingoch)	SH7809	11/06/1992	Recorder Name Withheld	6		Mynydd Esgairneiriau, Dyfi Forest	Ringling records.	D1509/002/01	Bern, UKBA, WBA, LBAP[CON, GWY, SNP]	3
<i>Phylloscopus sibilatrix</i> (Wood Warbler / Telor y Coed)	SH7610 (Approximate)	27/05/2011	Recorder Name Withheld			Meirionnydd (VC): Aberllefenni north	Breeding Code: FF: Faecal sac or Food for young	D0061/011/01	S7, UKBR, WBR, LBAP[CON, GWY, SNP]	4
<i>Phylloscopus sibilatrix</i> (Wood Warbler / Telor y Coed)	SH7508	20/05/1992	Recorder Name Withheld	2		Near Mynydd Abercorris	Ringling records.	D1509/002/01	S7, UKBR, WBR, LBAP[CON, GWY, SNP]	3
<i>Phylloscopus sibilatrix</i> (Wood Warbler / Telor y Coed)	SH7910	25/05/1993	Recorder Name Withheld	1		Mynydd Cwmcelli, Dyfi Forest	Ringling records.	D1509/002/01	S7, UKBR, WBR, LBAP[CON, GWY, SNP]	3
<i>Pyrhacorax pyrrhacorax</i> (Chough / Brân Goesgoch)	SH71 (Estimated Centroid of Site)	1981	Recorder Name Withheld	1 Nesting Pair		Site Name Withheld	Comments Withheld	D0026/257/01	BDir1, Bern, S7, WBA, WCA1.1, WCA9, LBAP[ANG, CON, GWY, SNP]	4
<i>Regulus regulus</i> (Goldcrest / Dryw Eurben)	SH7710	06/06/2015	Recorder Name Withheld			Aberllefenni (North) and Cwm Ratgoed	BTO Breeding Status: S	D1297/020/01	Bern, WBA, LBAP[CON]	4
<i>Scolopax rusticola</i> (Woodcock / Cyfflog)	SH789107 (Selected from Interactive Map)	30/12/2015	Recorder Name Withheld	1		Aberllefenni		D1331/002/01	BDir2.1, UKBR, WBA, LBAP[CON, DEN, FLI, GWY]	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SH7710	06/06/2015	Recorder Name Withheld	1		Aberllefenni (North) and Cwm Ratgoed		D1297/020/01	BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Turdus philomelos</i> (Song Thrush / Bronfraith)	SH7610 (Approximate)	20/07/2011	Recorder Name Withheld			Meirionnydd (VC): Aberllefenni north	Breeding Code: FL: Recently Fledged Young	D0061/011/01	BDir2.2, Bern, S7, UKBR, WBA, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4

- PUBLIC VERSION -

Butterflies and Moths										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Argynnis adippe</i> (High Brown Fritillary / Britheg Frown)	SH780105	1978	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)CR, S7, WCA5, LBAP[CON]	3
<i>Boloria euphrosyne</i> (Pearl-bordered Fritillary / Britheg Berlog)	SH7508	1983	Recorder Name Withheld			Brynhyfryd, Corris		D1452/001/03	RD1(UK)EN, S7, WCA5, LBAP[CON, DEN, FLI]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SH767101	04/09/1999	Recorder Name Withheld	1		Aberllefenni		D1452/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath / Gweirlöyn Bach y Waun)	SH765105	2 records, between 25/07/1998 and 17/06/2010	Recorder Name Withheld	15; 2 to 9		Foel Crochan Quarry		D1452/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Lasiommata megera</i> (Wall / Gweirlöyn y Cloddiau)	SH7508	1983	Recorder Name Withheld	frequent		Site Name Withheld	Comments Withheld	D0217/001/03	RD1(UK)NT, S7, LBAP[GWY]	3
<i>Xestia ashworthii</i> (Ashworth's Rustic / Gwladwr Cymreig)	SH7508	06/07/1975	Recorder Name Withheld	4		Site Name Withheld	Comments Withheld	D0217/001/03	S7, LBAP[CON, DEN, GWY]	3

- PUBLIC VERSION -

Fish										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SH765104	04/08/2005	Recorder Name Withheld	1 to 9 [Captured - Survey]		River Dyfi / Dulas (North), 67	Survey type: Electric Fishing	D1702/001/01	S7, LBAP[CON, GWY]	3
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SH768092	1986	Recorder Name Withheld			Site name unavailable	Occurrence ID: 12107456	D1089/001/03	S7, LBAP[CON, GWY]	3
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SH776104	1986	Recorder Name Withheld			Site name unavailable	Occurrence ID: 12107564	D1089/001/03	S7, LBAP[CON, GWY]	3
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SH777104	13/08/2002	Recorder Name Withheld	10 to 99 [Captured - Survey]		River Dyfi / Nant Ceiswyn, F3(N)	Survey type: Electric Fishing	D1702/001/01	S7, LBAP[CON, GWY]	3
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SH778104	1986	Recorder Name Withheld			Site name unavailable	Occurrence ID: 12107566	D1089/001/03	S7, LBAP[CON, GWY]	3
<i>Salmo trutta</i> (Brown/Sea Trout / Siwin; Brithyll)	SH775108	8 records, between 1986 and 12/08/2002	Recorder Name Withheld	10 to 99 [Captured - Survey]		River Dyfi / Dulas (North), 18	Survey type: Electric Fishing; Occurrence ID: 12107543; Occurrence ID: 12107541; Occurrence ID: 12107544; Occurrence ID: 12107542; Occurrence ID: 12107545; Occurrence ID: 12107546; Occurrence ID: 12107547	D1702/001/01 , D1089/001/03	S7, LBAP[CON, GWY]	3

- PUBLIC VERSION

Fungi, Lichen and Slime Moulds										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Acrocordia gemmata</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)LC	3
<i>Arthonia didyma</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni	Qp. Substrate: Corticolous	D1577/001/02	RD1(Wales)LC	3
<i>Cetrelia olivetorum s. lat.</i>	SH775100	04/11/2011	Recorder Name Withheld			Aberllefenni		D1577/001/02		3
<i>Cetrelia olivetorum s. lat.</i>	SH777100	2 records, both on 14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge	Occurrence ID: 147985963	D1577/001/02 , D1579/001/02		3
<i>Dimerella lutea</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT	3
<i>Dimerella lutea</i>	SH7810	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Lower Area		D1577/001/02	RD1(Wales)NT	3
<i>Dimerella lutea</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)NT	3
<i>Enterographa crassa</i>	SH775100	04/11/2011	Recorder Name Withheld			Aberllefenni		D1577/001/02	RD1(Wales)LC	3
<i>Graphina pauciloculata</i>	SH777100	2 records, between 1999 and 14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge	Base of Quercus trunk. Substrate: Corticolous	D1577/001/02	RD1(UK)VU, RD1(Wales)EN, RD2(UK)R, S7	3
<i>Graphina pauciloculata</i>	SH7710	June 1999	Recorder Name Withheld			Afon Dulas - by Coed Maes Mawr	NRI 86: One small patch on upper side of a large Quercus growing horizontally from a rock-face above plunge pool in river gorge, with <i>Micarea adnata</i> on the underside, north bank. Substrate: Corticolous	D1577/001/02	RD1(UK)VU, RD1(Wales)EN, RD2(UK)R, S7	3
<i>Graphis ruiziana</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)LC, RD2(UK)S	3
<i>Graphis ruiziana</i>	SH7810	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Lower Area		D1577/001/02	RD1(Wales)LC, RD2(UK)S	3
<i>Graphis ruiziana</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)LC, RD2(UK)S	3
<i>Hypotrachyna taylorensis</i>	SH775100	04/11/2011	Recorder Name Withheld			Aberllefenni		D1577/001/02	RD1(Wales)NT, LBAP[CON]	3
<i>Hypotrachyna taylorensis</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT, LBAP[CON]	3
<i>Lobaria amplissima</i>	SH774099	2005	Recorder Name Withheld			Afon Dulas - Aberllefenni		D1577/001/02	RD1(Wales)VU, S7, LBAP[CON, DEN]	3
<i>Lobaria amplissima</i>	SH775100	2005	Recorder Name Withheld			Afon Dulas - Aberllefenni		D1577/001/02	RD1(Wales)VU, S7, LBAP[CON, DEN]	3
<i>Lobaria pulmonaria</i> (Lungwort)	SH774099	2005	Recorder Name Withheld			Afon Dulas - Aberllefenni		D1577/001/02	RD1(Wales)VU, S7, WCA8, LBAP[CON, DEN]	3
<i>Lobaria pulmonaria</i> (Lungwort)	SH775100	2 records, between 2005 and 04/11/2011	Recorder Name Withheld			Afon Dulas - Aberllefenni		D1577/001/02	RD1(Wales)VU, S7, WCA8, LBAP[CON, DEN]	3
<i>Lobaria pulmonaria</i> (Lungwort)	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)VU, S7, WCA8, LBAP[CON, DEN]	3
<i>Lobaria pulmonaria</i> (Lungwort)	SH7709	June 1999	Recorder Name Withheld			Caecenau Gorge, nr Corris		D1577/001/02	RD1(Wales)VU, S7, WCA8, LBAP[CON, DEN]	3
<i>Lobaria virens</i>	SH774099	2005	Recorder Name Withheld			Afon Dulas - Aberllefenni		D1577/001/02	RD1(Wales)EN, S7, LBAP[CON, DEN]	3
<i>Lobaria virens</i>	SH775100	2 records, between 2005 and 04/11/2011	Recorder Name Withheld			Aberllefenni		D1577/001/02	RD1(Wales)EN, S7, LBAP[CON, DEN]	3
<i>Lobaria virens</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)EN, S7, LBAP[CON, DEN]	3
<i>Lobaria virens</i>	SH7709	June 1999	Recorder Name Withheld			Caecenau Gorge, nr Corris		D1577/001/02	RD1(Wales)EN, S7, LBAP[CON, DEN]	3
<i>Megalaria pulvereae</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)LC	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Menegazzia terebrata</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)VU, S7, LBAP[CON]	3
<i>Micarea botryoides</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)LC	3
<i>Nephroma parile</i>	SH775100	04/11/2011	Recorder Name Withheld			Aberllefenni		D1577/001/02	RD1(Wales)NT, S7	3
<i>Pachyphiale carneola</i>	SH775100	04/11/2011	Recorder Name Withheld			Aberllefenni		D1577/001/02	RD1(Wales)NT, S7	3
<i>Pachyphiale carneola</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)NT, S7	3
<i>Pannaria conoplea</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT, S7	3
<i>Pannaria conoplea</i>	SH7910	2 records, both on 25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)NT, S7	3
<i>Parmeliella parvula</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT, S7	3
<i>Parmeliella triptophylla</i>	SH775100	04/11/2011	Recorder Name Withheld			Aberllefenni		D1577/001/02	RD1(Wales)NT, S7	3
<i>Parmeliella triptophylla</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT, S7	3
<i>Parmeliella triptophylla</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)NT, S7	3
<i>Parmelinopsis horrescens</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(UK)NT, RD1(Wales)NT, RD2(UK)S, S7	3
<i>Peltigera horizontalis</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)LC	3
<i>Phyllopsora rosei</i>	SH777100	2 records, between March 1991 and 14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT, RD2(UK)S, S7	3
<i>Phyllopsora rosei</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)NT, RD2(UK)S, S7	3
<i>Sticta canariensis (dufourii)</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	S7, LBAP[CON]	3
<i>Sticta fuliginosa s. lat.</i>	SH777100	2 records, both on 14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge	Occurrence ID: 147985962	D1577/001/02 , D1579/001/02	RD1(Wales)VU, S7	3
<i>Sticta fuliginosa s. lat.</i>	SH7810	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Lower Area		D1577/001/02	RD1(Wales)VU, S7	3
<i>Sticta fuliginosa s. lat.</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)VU, S7	3
<i>Sticta limbata</i>	SH777100	March 1991	Recorder Name Withheld			Coed Maes Mawr		D1577/001/02	RD1(Wales)NT, S7	3
<i>Sticta limbata</i>	SH7810	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Lower Area		D1577/001/02	RD1(Wales)NT, S7	3
<i>Sticta limbata</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)NT, S7	3
<i>Sticta sylvatica</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT, S7	3
<i>Thelotrema lepadinum</i>	SH777100	14/06/1999	Recorder Name Withheld			Coed Maes-mawr SSSI - gorge		D1577/001/02	RD1(Wales)NT	3
<i>Thelotrema lepadinum</i>	SH7709	March 1991	Recorder Name Withheld			Coed Maes Mawr		D1577/001/02	RD1(Wales)NT	3
<i>Thelotrema lepadinum</i>	SH7810	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Lower Area		D1577/001/02	RD1(Wales)NT	3
<i>Thelotrema lepadinum</i>	SH7910	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Upper Area		D1577/001/02	RD1(Wales)NT	3
<i>Usnea florida</i> (Witches' Whiskers Lichen)	SH7810	25/11/2015	Recorder Name Withheld			Aberllefenni - Llwydiarth Lower Area		D1577/001/02	RD1(UK)NT, RD1(Wales)LC, S7	3

Mammals										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SH7610 (Estimated (Centroid of Site))	07/10/2003	Recorder Name Withheld	Droppings	Bat Roost	Site Name Withheld	Comments Withheld	D0026/257/01	EPS, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SH7609	30/04/1993	Recorder Name Withheld		Bat Roost	Site Name Withheld	Comments Withheld	D1486/001/01	EPS, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SH7609 (Supplied by Original Recorder (Checked))	April 2003	Recorder Name Withheld	Droppings	Bat Roost	Site Name Withheld	Comments Withheld	D0026/256/01	EPS, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Chiroptera</i> (Unknown Bat / Ystlum Anhysbys)	SH7511 (Estimated (From Recorder's Map))	23/05/2005	Recorder Name Withheld	Droppings	Bat Roost	Site Name Withheld	Comments Withheld	D0026/259/01	EPS, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SH778103	20/07/2006	Recorder Name Withheld	1		Aberllefenni	Alive	D0108/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SH777112	20/05/2007	Recorder Name Withheld				1 seen. Record type: Sighting	D0078/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SH783106	28/08/2007	Recorder Name Withheld				1 seen. Record type: Sighting	D0078/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SH778112	Before 2008	Recorder Name Withheld	4		Cwm Ratgoed	Alive	D0108/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SH785109	17/04/2006	Recorder Name Withheld	1		Ffridd Coed	Alive	D0108/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Lepus europaeus</i> (Hare / Ysgyfarnog)	SH771079	17/04/2006	Recorder Name Withheld	1		Nant Gallt-y-rhiw	Alive	D0108/001/03	S7, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Lutra lutra</i> (Otter / Dyfrgi)	SH7709	August 2010	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1459/001/01	Bern, CITES, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Lutra lutra</i> (Otter / Dyfrgi)	SH7710	03/11/2017	Recorder Name Withheld		Dung/Droppings/ Frass/Pellet, etc.	Site Name Withheld	Comments Withheld	D1331/002/01	Bern, CITES, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Lutra lutra</i> (Otter / Dyfrgi)	SH7711	10/04/2017	Recorder Name Withheld		Dung/Droppings/ Frass/Pellet, etc.	Site Name Withheld	Comments Withheld	D1545/001/01	Bern, CITES, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
<i>Lutra lutra</i> (Otter / Dyfrgi)	SH7608	August 2010	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1459/001/01	Bern, CITES, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
<i>Meles meles</i> (Badger / Mochyn Daear)	SH7709	November 2011	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1459/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	1
<i>Meles meles</i> (Badger / Mochyn Daear)	SH7709	November 2011	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1459/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	1
<i>Meles meles</i> (Badger / Mochyn Daear)	SH7608	August 2010	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1459/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Meles meles</i> (Badger / Mochyn Daear)	SH7608	August 2010	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1459/001/01	Bern, PBA, LBAP[CON, DEN, FLI, WRE]	1
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH7746309841	August 2010	Recorder Name Withheld				From box and tube survey	D1459/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH7747809839	August 2010	Recorder Name Withheld				From box and tube survey	D1459/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH7747409803	August 2010	Recorder Name Withheld				From box and tube survey	D1459/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH7749409837	August 2010	Recorder Name Withheld				From box and tube survey	D1459/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH7726609428	August 2010	Recorder Name Withheld				From box and tube survey	D1459/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH774089	3 records, between October 1993 and March 1994	Recorder Name Withheld	P	Confirmed Hazelnut	Pen Bryn, Aberllefenni	old hazel hedges; last recorded in 1993	D0116/001/01 , D0039/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH775089 (Supplied by Original Recorder (Checked))	2012	Recorder Name Withheld		Field record	Coed Maes Mawr	Box 47, nest	D1666/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH775085	15/06/2006	Recorder Name Withheld				Pantperthog box scheme. Record type: Dormouse in box	D0078/001/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH785085	15/06/2006	Recorder Name Withheld				Pantperthog box scheme. Record type: Dormouse in box	D0078/001/03	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	4
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH7709 (Supplied by Original Recorder (Checked))	26/10/2010	Recorder Name Withheld	3 Individual		Coed Maes-mawr		D1666/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Muscardinus avellanarius</i> (Hazel Dormouse / Pathew)	SH7608 (Supplied by Original Recorder (Checked))	3 records, between 11/10/2010 and 18/10/2010	Recorder Name Withheld	1 Adult Female; 1 Adult Male; 1 Adult Female		Coed Ffridd-newydd		D1666/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[CON, DEN, FLI, GWY, SNP]	3
<i>Myotis</i> (Myotis Bat Species)	SH7511 (Estimated (From Recorder's Map))	23/05/2005	Recorder Name Withheld	1	Bat Roost	Site Name Withheld	Comments Withheld	D0026/259/01	Bern, EPS, HDir, S7, WCA5, LBAP[ANG, DEN, FLI, SNP]	3
<i>Myotis nattereri</i> (Natterer's Bat / Ystlum Natterer)	SH7609	30/04/1993	Recorder Name Withheld	1 Adult	Bat Roost	Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Nyctalus noctula</i> (Noctule Bat / Ystlum Mawr)	SH7609	30/04/1993	Recorder Name Withheld	1 Adult	Bat Roost	Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle / Ystlum Lleiaf Cyffredin)	SH7610 (Estimated (Centroid of Site))	07/10/2003	Recorder Name Withheld	2		Site Name Withheld	Comments Withheld	D0026/257/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Plecotus auritus</i> (Brown Long-eared Bat / Ystlum Hirglust)	SH7609	30/04/1993	Recorder Name Withheld	2 Adult	Bat Roost	Site Name Withheld	Comments Withheld	D1486/001/01	Bern, EPS, HDir, RD2(UK), S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

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Other Invertebrates										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Aeshna juncea</i> (Common Hawker / Gwas Neidr Glas)	SH770100 (Estimated (Centroid of Site))	6 records, between 15/07/1986 and 20/08/1986	Recorder Name Withheld			Aberllefenni	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4
<i>Coenagrion puella</i> (Azure Damselfly / Mursen Las Asur)	SH759109 (Estimated (Centroid of Site))	2 records, both on 27/06/1986	Recorder Name Withheld			Hen-gae	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4
<i>Cordulegaster boltonii</i> (Golden-ringed Dragonfly / Gwas Neidr Eurdorhog)	SH770100 (Estimated (Centroid of Site))	2 records, both on 15/07/1986	Recorder Name Withheld			Aberllefenni	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4
<i>Enallagma cyathigerum</i> (Common Blue Damselfly / Mursen Las Gyffredin)	SH770100 (Estimated (Centroid of Site))	2 records, both on 15/07/1986	Recorder Name Withheld			Aberllefenni	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4
<i>Lestes sponsa</i> (Emerald Damselfly / Mursen Werdd)	SH770100 (Estimated (Centroid of Site))	2 records, both on 20/08/1986	Recorder Name Withheld			Aberllefenni	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP], LI[VC50]	4
<i>Libellula quadrimaculata</i> (Four-spotted Chaser / Picellwr Pedwar Nod)	SH770100 (Estimated (Centroid of Site))	2 records, both on 27/06/1986	Recorder Name Withheld			Aberllefenni	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4
<i>Pyrrhosoma nymphula</i> (Large Red Damselfly / Mursen Fawr Goch)	SH770100 (Estimated (Centroid of Site))	10 records, between 12/06/1986 and 20/08/1986	Recorder Name Withheld			Aberllefenni	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4
<i>Pyrrhosoma nymphula</i> (Large Red Damselfly / Mursen Fawr Goch)	SH759109 (Estimated (Centroid of Site))	2 records, both on 27/06/1986	Recorder Name Withheld			Hen-gae	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4
<i>Sympetrum striolatum</i> (Common Darter / Gwäell Gyffredin)	SH770100 (Estimated (Centroid of Site))	2 records, both on 15/07/1986	Recorder Name Withheld			Aberllefenni	Adult: present	D0158/003/01 , D1295/001/03	LBAP[SNP]	4

Plants										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Carex panicea</i> (Carnation Sedge / Hesgen Lwydlas)	SH77921135 (Selected from Interactive Map)	31/08/2012	Recorder Name Withheld	O		1605 - Mynydd Cymerau	Mosaic of Dry Heath and Acid Grassland with Scattered Bracken and Broadleaved Woodland	D1471/002/01		4
<i>Carex panicea</i> (Carnation Sedge / Hesgen Lwydlas)	SH78341117 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	O - Lf		1606 - Ffridd Coed	Mosaic of Wet Heath, Acid Flush and Marshy Grassland	D1471/002/01		4
<i>Chrysosplenium alternifolium</i> (Alternate-leaved Golden-saxifrage / Egllyn Bob yn Eilddail)	SH775100	22/08/2003	Recorder Name Withheld			River Dulas, Dyfi, Aberllefenni A	Occurrence ID: 368557494	D1851/001/01	LI[VC50]	3
<i>Crocospmia pottsii x aurea</i> = <i>C. x crocosmiiflora</i> (Montbretia / Crib-y-Ceiliog)	SH7716310011	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Danthonia decumbens</i> (Heath-grass / Glaswellt y Rhos)	SH77921135 (Selected from Interactive Map)	31/08/2012	Recorder Name Withheld	O		1605 - Mynydd Cymerau	Mosaic of Dry Heath and Acid Grassland with Scattered Bracken and Broadleaved Woodland	D1471/002/01		4
<i>Epilobium brunnescens</i> (New Zealand Willowherb / Helygllys Seland Newydd)	SH7710	26/08/2015	Recorder Name Withheld			Aberllefenni		D1791/001/01	INNS	3
<i>Epilobium montanum x obscurum</i> = <i>E. x aggregatum</i> (Willowherb)	SH779104	1985	Recorder Name Withheld			VC48 Merionethshire		D1557/001/01	LBAP[GWY], LI[VC48, VC49]	3
<i>Erica cinerea</i> (Bell Heather / Grug y Mêl)	SH77641076 (Selected from Interactive Map)	31/08/2012	Recorder Name Withheld	R		1605 - Mynydd Cymerau	Dry Heath	D1471/002/01		4
<i>Erica cinerea</i> (Bell Heather / Grug y Mêl)	SH78091098 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	O		1606 - Ffridd Coed	Mosaic of Dry Heath and Continuous Bracken with Scattered Broadleaved Woodland	D1471/002/01		4
<i>Erica cinerea</i> (Bell Heather / Grug y Mêl)	SH7710	26/08/2015	Recorder Name Withheld			Aberllefenni		D1791/001/01		3
<i>Erica tetralix</i> (Cross-leaved Heath / Grug Croesddail)	SH78341117 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	F		1606 - Ffridd Coed	Mosaic of Wet Heath, Acid Flush and Marshy Grassland	D1471/002/01		4
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SH7709409909	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SH7719709827	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SH7678210330	October 2010	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Fallopia japonica</i> (Japanese Knotweed / Clymog Japan)	SH7608 (Selected from Interactive Map)	07/03/2013	Recorder Name Withheld			Garnedd wen	3 large clumps	D1330/001/01	INNS, WCA9	4
<i>Festuca altissima</i> (Wood Fescue / Peiswellt y Coed)	SH784101	1991	Recorder Name Withheld			Nant Cwm Celli	Perhaps just in VC47	D1557/001/01	LBAP[CON], LI[VC48, VC49]	3
<i>Hylocomium umbratum</i> (Shaded Wood-moss)	SH7608	1973	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1075/001/04	RD1(Wales)LC, LI[VC50]	3
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SH7719009352	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SH7693309153	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SH7687009148	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SH7688009143	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SH7688509132	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SH7623108418	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Impatiens glandulifera</i> (Himalayan Balsam / Jac y Neidiwr)	SH7608	07/03/2013	Recorder Name Withheld			Garnedd wen	Masses of it	D1330/001/01	INNS, WCA9	1
<i>Lamium galeobdolon</i> subsp. <i>argentatum</i> (Variegated Yellow Archangel)	SH7716610006	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Luzula sylvatica</i> (Great Wood-rush / Coedfrwynen Fawr)	SH775100	22/08/2003	Recorder Name Withheld			River Dulas, Dyfi, Aberllefenni B	Occurrence ID: 368567549	D1851/001/01		3
<i>Lysimachia nemorum</i> (Yellow Pimpernel / Gwlyddyn Melyn Mair)	SH7710	26/08/2015	Recorder Name Withheld			Aberllefenni		D1791/001/01		3
<i>Narthecium ossifragum</i> (Bog Asphodel / Llafn y Bladur)	SH78341117 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	F		1606 - Ffridd Coed	Mosaic of Wet Heath, Acid Flush and Marshy Grassland	D1471/002/01	LI[VC51]	1
<i>Oxalis acetosella</i> (Wood-sorrel / Suran y Coed)	SH775100	2 records, both on 22/08/2003	Recorder Name Withheld			River Dulas, Dyfi, Aberllefenni B	Occurrence ID: 368717577; Occurrence ID: 368635434	D1851/001/01		3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Oxalis acetosella</i> (Wood-sorrel / Suran y Coed)	SH77911081 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	O		1606 - Ffridd Coed	Upland Oak Woodland	D1471/002/01		4
<i>Polygala serpyllifolia</i> (Heath Milkwort / Amlaethai'r Waun)	SH78341117 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	O		1606 - Ffridd Coed	Mosaic of Wet Heath, Acid Flush and Marshy Grassland	D1471/002/01		1
<i>Rhododendron ponticum</i>	SH7716009886	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7717010012	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7715909831	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7718810045	2005	Recorder Name Withheld			Mawddwy	Site ID: 430 - just off road on North side - 2 large trees. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7736009971	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Rhododendron ponticum</i>	SH7714609343	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Rhododendron ponticum</i>	SH7766110103	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7749610480	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7758110411	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7747710560	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7743410621	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7770310408	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7742910677	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7797410408	2005	Recorder Name Withheld			Mawddwy	Site ID: 411 - track leading up to Hall on LHS, lots between track and stream. Ground cover: E: 2% - 10%	D1788/001/01	INNS, WCA9	4
<i>Rhododendron ponticum</i>	SH7661408937	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7755111136	2005	Recorder Name Withheld			Mawddwy	Site ID: 389 - by stream on west side, single bush by tree. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7651008771	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Rhododendron ponticum</i>	SH7640708704	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7844410373	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7848110498	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7853210533	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7866010043	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7865410565	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7874510376	1986	Recorder Name Withheld			Dyfi	Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7880609973	2005	Recorder Name Withheld			Mawddwy	Site ID: 264 - single bush next to track. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Rhododendron ponticum</i>	SH7618608405	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7619208391	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Rhododendron ponticum</i>	SH7868210690	2005	Recorder Name Withheld			Mawddwy	Site ID: 318 - 1 bush at road junction. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7761911663	2005	Recorder Name Withheld			Mawddwy	Site ID: 405 - next to track on LHS going up - 1 bush. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7885010235	2005	Recorder Name Withheld			Mawddwy	Site ID: 261 - large single plant next to track on the E side. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7879110699	2005	Recorder Name Withheld			Mawddwy	Site ID: 319 - large bush in amongst trees. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7608408269	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	4
<i>Rhododendron ponticum</i>	SH7873510947	2005	Recorder Name Withheld			Mawddwy	Site ID: 315 - bush 15 mtrs from track. Ground cover: I: Isolated Bushes	D1788/001/01	INNS, WCA9	1
<i>Rhododendron ponticum</i>	SH7604208246	January 2012	Recorder Name Withheld					D1459/001/01	INNS, WCA9	1
<i>Solidago virgaurea</i> (Goldenrod / Eurwialen)	SH775100	2 records, both on 22/08/2003	Recorder Name Withheld			River Dulas, Dyfi, Aberllefenni B	Occurrence ID: 368681794; Occurrence ID: 368680704	D1851/001/01		3
<i>Solidago virgaurea</i> (Goldenrod / Eurwialen)	SH75880837 (Selected from Interactive Map)	29/08/2012	Recorder Name Withheld	R		1612 - Tan-yr-allt	Mosaic of 50% AG, 43% scattered gorse scrub & dense bramble scrub, 5% continuous bracken with 2% scattered BW	D1471/002/01		1
<i>Trichomanes speciosum</i> (Killarney Fern / Rhedynen Cilame)	SH71	1992	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D0106/001/07	Bern, EPS, HDir, RD1(Wales)VU, RD2(UK), RD2(UK)R, WCA8, LI[VC48, VC49, VC52]	4
<i>Tritomaria exsectiformis</i> (Larger Cut Notchwort)	SH777100	20/03/1991	Recorder Name Withheld			Site Name Withheld	Comments Withheld	D1075/001/04	RD1(Wales)LC, LI[VC51, VC52]	3
<i>Ulex gallii</i> (Western Gorse / Eithinen Fân)	SH78091098 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	A		1606 - Ffridd Coed	Mosaic of Dry Heath and Continuous Bracken with Scattered Broadleaved Woodland	D1471/002/01	LBAP[ANG, CON, SNP]	4
<i>Ulex gallii</i> (Western Gorse / Eithinen Fân)	SH77921135 (Selected from Interactive Map)	31/08/2012	Recorder Name Withheld	A		1605 - Mynydd Cymerau	Mosaic of Dry Heath and Acid Grassland with Scattered Bracken and Broadleaved Woodland	D1471/002/01	LBAP[ANG, CON, SNP]	4
<i>Ulex gallii</i> (Western Gorse / Eithinen Fân)	SH7710	26/08/2015	Recorder Name Withheld			Aberllefenni		D1791/001/01	LBAP[ANG, CON, SNP]	3
<i>Vaccinium myrtillus</i> (Bilberry / Llusen)	SH77641076 (Selected from Interactive Map)	31/08/2012	Recorder Name Withheld	O		1605 - Mynydd Cymerau	Dry Heath	D1471/002/01		4
<i>Vaccinium myrtillus</i> (Bilberry / Llusen)	SH78341117 (Selected from Interactive Map)	30/08/2012	Recorder Name Withheld	O		1606 - Ffridd Coed	Mosaic of Wet Heath, Acid Flush and Marshy Grassland	D1471/002/01		4
<i>Veronica officinalis</i> (Heath Speedwell / Rhwyddlwyn Meddygol)	SH7710	26/08/2015	Recorder Name Withheld			Aberllefenni		D1791/001/01		3

Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Viola palustris</i> (Marsh Violet / Fioled y Gors)	SH775100	2 records, both on 22/08/2003	Recorder Name Withheld			River Dulas, Dyfi, Aberllefenni B	Occurrence ID: 368690503; Occurrence ID: 368635841	D1851/001/01		3

- PUBLIC VERSION -

Reptiles and Amphibians										
Species Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Anguis fragilis</i> (Slow-worm / Neidr Ddefaid)	SH7611608271	August 2010	Recorder Name Withheld				From tinning survey	D1459/001/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Anguis fragilis</i> (Slow-worm / Neidr Ddefaid)	SH7710 (Approximate)	16/05/2010	Recorder Name Withheld	1 Adult		Aberllefeni		D1506/001/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Bufo bufo</i> (Common Toad / Llyffant Dafadennog)	SH7593511501	August 2010	Recorder Name Withheld				From tinning survey	D1459/001/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Rana temporaria</i> (Common Frog / Llyffant Melyn)	SH7692309119	August 2010	Recorder Name Withheld				From tinning survey	D1459/001/01	Bern, HDir, WCA5, LBAP[ANG, CON, FLI]	4
<i>Zootoca vivipara</i> (Common Lizard / Madfall)	SH7692309119	August 2010	Recorder Name Withheld				From tinning survey	D1459/001/01	Bern, S7, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4

Statutory Sites returned by search	SSSI: 1446: Coed Maes-Mawr, Coed Esgairneiriau a Cheunant Caecenau (416m)
Wildlife Sites intersecting 2000m buffer	1625: Bluemaris Quarry (12m) , 1610: Nant Cwmcelli (136m), 1608: Foel Crochan (342m), 1609: Craig Hen-gae (526m), 1607: Pont Cymerau (798m), 1605: Mynydd Cymerau (870m), 1606: Ffridd Coed (1027m), 1611: Garneddwen (1178m), 1603: Mynydd Ffynnon Badarn (1305m), 1604: Ffynnon-Badarn (1495m), 1613: Mynydd Abercorris (1755m), 1612: Tan-yr-allt (1815m), 1623: Abercorris Quarry (1832m)
Ancient Monuments intersecting 2000m buffer	ME185: Water Balance Incline at Aberllefenni Slate Quarry (312m)
Biospheric Reserves intersecting 2000m buffer	Dyfi Biosphere - Transition (0m)
Ancient Woodland sites (if searched)	27144: Ancient Semi Natural Woodland (148m), 36229: Restored Ancient Woodland Site (186m), 46825: Plantation on Ancient Woodland Site (419m), 36228: Restored Ancient Woodland Site (452m), 27146: Ancient Semi Natural Woodland (456m), 28062: Ancient Semi Natural Woodland (461m), 31408: Ancient Semi Natural Woodland (503m), 44534: Plantation on Ancient Woodland Site (519m), 45599: Plantation on Ancient Woodland Site (564m), 31409: Ancient Semi Natural Woodland (567m), 46171: Plantation on Ancient Woodland Site (569m), 36230: Restored Ancient Woodland Site (573m), 33931: Ancient Semi Natural Woodland (591m), 27145: Ancient Semi Natural Woodland (703m), 46824: Plantation on Ancient Woodland Site (714m), 33930: Ancient Semi Natural Woodland (796m), 33929: Ancient Semi Natural Woodland (868m), 49791: Ancient Woodland Site of Unknown Category (888m), 28063: Ancient Semi Natural Woodland (910m), 45597: Plantation on Ancient Woodland Site (1004m), 27009: Ancient Semi Natural Woodland (1018m), 31407: Ancient Semi Natural Woodland (1035m), 46173: Plantation on Ancient Woodland Site (1063m), 45598: Plantation on Ancient Woodland Site (1074m), 33932: Ancient Semi Natural Woodland (1111m), 46170: Plantation on Ancient Woodland Site (1166m), 49473: Ancient Woodland Site of Unknown Category (1182m), 33934: Ancient Semi Natural Woodland (1197m), 27808: Ancient Semi Natural Woodland (1202m), 46172: Plantation on Ancient Woodland Site (1254m), 33933: Ancient Semi Natural Woodland (1307m), 44597: Plantation on Ancient Woodland Site (1321m), 44305: Plantation on Ancient Woodland Site (1336m), 44467: Plantation on Ancient Woodland Site (1348m), 49471: Ancient Woodland Site of Unknown Category (1397m), 44466: Plantation on Ancient Woodland Site (1438m), 44306: Plantation on Ancient Woodland Site (1442m), 45947: Plantation on Ancient Woodland Site (1462m), 45102: Plantation on Ancient Woodland Site (1492m), 44468: Plantation on Ancient Woodland Site (1494m), 45596: Plantation on Ancient Woodland Site (1541m), 49470: Ancient Woodland Site of Unknown Category (1557m), 45948: Plantation on Ancient Woodland Site (1596m), 45340: Plantation on Ancient Woodland Site (1597m), 49472: Ancient Woodland Site of Unknown Category (1772m), 44297: Plantation on Ancient Woodland Site (1779m), 49094: Ancient Woodland Site of Unknown Category (1804m), 46343: Plantation on Ancient Woodland Site (1837m), 49691: Ancient Woodland Site of Unknown Category (1843m), 49003: Ancient Woodland Site of Unknown Category (1858m), 45587: Plantation on Ancient Woodland Site (1889m), 31394: Ancient Semi Natural Woodland (1926m), 45950: Plantation on Ancient Woodland Site (1942m), 45586: Plantation on Ancient Woodland Site (1951m), 44017: Plantation on Ancient Woodland Site (1953m)
Phase I Habitats intersecting 2000m buffer (Habitat at central point shown in red, if found)	A.1.1.1: Semi-natural Broad-leaved Woodland (7.76% / 975,393 sq.m), A.1.1.2: Planted Broad-leaved Woodland (0.03% / 3,739 sq.m), A.1.2.2: Planted Coniferous Woodland (63.12% / 7,930,594 sq.m), A.2.1: Dense Scrub (0.02% / 2,553 sq.m), B.1.1: Unimproved Acid Grassland (2.82% / 354,534 sq.m), B.1.2: Semi-improved Acid Grassland (0.1% / 13,050 sq.m), B.2.2: Semi-improved Neutral Grassland (0.01% / 1,828 sq.m), B.4: Improved Grassland (14.58% / 1,831,610 sq.m), B.5: Marshy Grassland (0.41% / 51,616 sq.m), C.1.1: Bracken (1.52% / 191,111 sq.m), D.1.1: Dry Acid Heath (4.98% / 626,281 sq.m), D.5: Dry Heath/Acid Grassland Mosaic (0.25% / 30,832 sq.m), E.2.1: Acid/Neutral Flush (0.1% / 12,044 sq.m), F.1: Swamp (0.02% / 2,977 sq.m), G.1: Standing Water (0.03% / 4,096 sq.m), G.2: Running Water (0.3% / 37,355 sq.m), I.1.2.1: Acid/Neutral Scree (0.16% / 19,476 sq.m), I.1.4.1: Acid/Neutral Rock (0.01% / 1,397 sq.m), I.2.1: Quarry (1.97% / 247,823 sq.m), I.2.2: Spoil (0.32% / 39,874 sq.m), J.1.5: Gardens (0.1% / 12,860 sq.m), J.3.6: Buildings (0.38% / 47,782 sq.m), J.3.7: Track (0.5% / 63,013 sq.m) , NA: Not Accessed Land (0.5% / 62,962 sq.m)