

Ascerta

Landscape, Arboricultural & Ecological Solutions
for the Built Environment

Report on Ecological Issues

Rosemary Nurseries
Burton Hall Road
Rossett

November 2013

Revision	Date	Description
A	14/01/2014	Inclusion of data from Local Records Centre Additional Survey Information Relating to Badgers Notes Relating to Barn Owls Reptile Reasonable Avoidance Measures

Ascerta

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EXECUTIVE SUMMARY

An Extended Phase 1 Ecological Assessment has been carried out on Rosemary Nurseries, Burton Hall Road, Rossett, Wrexham. The assessment comprised a desk study and biological records search, as well as a site walkover survey in order to map habitat types. The survey was extended to also highlight the potential for protected species using the site. The assessment will provide baseline data as to current site conditions and where appropriate will allow recommendations to be made in respect of further potential work in order to satisfy current wildlife legislation.

The survey area comprises scattered mixed trees, tall ruderal, arable land, amenity grassland, introduced shrub, species-poor hedges, fences, buildings, and hard standing.

No signs of badgers occupying or visiting the site were recorded. As the buildings and trees on site are deemed to have low bat roosting potential the proposed development site is not considered to currently offer any roosting opportunities for bats. Due to the density of manmade structures within the site, it is considered that any bat activity across the site will be concentrated to the boundary hedges and trees. The habitats on site, particularly the boundary hedges and trees, offer potential foraging and nesting sites for breeding birds. No invasive plant species were observed within the proposed development site. Although the survey area contains a number of potential refuge sites for reptiles, there is very little foraging habitat, the aspect as well as topography of the site is not considered favourable for reptiles, and the current occupants of the site were not aware of any reptiles utilising the nursery. Therefore, the proposed development site is deemed to be of low ecological value for these species. The proposed development is not within 500m of any watercourse and therefore presence of water voles, otters, or white clawed crayfish is not considered to be a constraint to development.

The following recommendations are made such as to satisfy current wildlife legislation and to help our clients achieve their objectives.

Key Recommendations

The demolition of the existing building, and any vegetation clearance required for the proposed development should be undertaken outside of the bird breeding season. Demolition or vegetation clearance carried out during the breeding season (between March and the end of August) will require a nesting bird survey to be conducted by a suitably qualified ecologist before works commence.

The boundary trees and hedges should be retained and incorporated into the proposed development where possible for their value to local biodiversity such as foraging and commuting bats.

External lighting incorporated during development should be kept to a minimum and designed to avoid spill into nearby vegetation (see *Bats and lighting in the UK- bats and the built environment series*, Bat Conservation Trust, 2009).

Although the presence of great crested newts is considered unlikely, all site personnel should be informed of the legal protection afforded to great crested newts, how to identify great crested newts, and made aware of the procedure should a great crested newt be discovered during development works. If a great crested newt is discovered during development then all works should cease and advice should be sought from the project ecologist.

EXECUTIVE SUMMARY (Continued)

The following Reasonable Avoidance Measures should be taken to reduce the risk to reptiles in the unlikely event that they are present on site:

- All potential refugia and basking areas should be removed from the development footprint by hand by a suitably experienced ecologist;
- Before development works a destructive search within all construction areas should be conducted by a suitably experienced ecologist.

Additional Recommendations

Any additional planting to be incorporated as part of the landscape scheme for the proposed development should use native species that maximise food and nectar sources for birds as well as invertebrates, and should be typical species of the local area.

1.0 Introduction

Ascerta has been instructed by Gordon Mytton Homes to carry out an ecological assessment of Rosemary Nurseries, Burton Hall Road, Rossett, Wrexham.

Our client seeks planning consent to construct 14 dwellings within the site.

The site was visited on 1st November 2013 by Dr Nicola Wallbank, when a Phase 1 Habitat Survey, extended to include an assessment of the potential for protected species to be using the site or surroundings, was carried out in accordance with the Handbook for Phase 1 Habitat Survey: a Technique for Environmental Audit (*JNCC, 2010*). This report presents the results of the survey and includes recommendations for further actions where applicable in order to satisfy current wildlife legislation and in order to achieve our client's objectives.

2.0 Objectives

Our client's objectives are to develop the site for residential purposes.

Our objectives are as follows:

- Identify and evaluate any features of ecological value and the potential of the site to support protected species based on the walkover survey and biological records search;
- Identify designated sites within 2km of the site;
- Review protected species records within 1km of the site;
- Map the habitats within the site using JNCC (2010) methods;
- Provide recommendations for further species-specific surveys and mitigation measures where current legislation requires;
- Provide recommendations that seek to enhance the ecological value of the site where possible;
- Provide recommendations to assist our clients in achieving their objectives whilst satisfying current wildlife legislation.

3.0 Relevant Legislation

3.1 European Legislation

The following Directives have been adopted by the European Union and provide protection for fauna and flora species of European importance and the habitats which support them:

- Directive 2009/147/EC on the Conservation of Wild Birds (Birds Directive);
- Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (Habitats Directive).

3.2 UK Legislation

The key UK legislation relating to nature conservation is the Wildlife and Countryside Act 1981 (as amended). This Act is supplemented, *inter alia*, by provision in the Countryside and Rights of Way (CROW) Act 2000, and the Natural Environment and Rural Communities Act 2006.

The Habitats Directive has been transposed into national legislation through the Conservation of Habitats and Species Regulations 2010, which provides for the designation and protection of 'European Sites' and the protection of 'European Protected Species'.

It is an offence under Section 14(2) of the Wildlife and Countryside Act 1981 to 'plant or otherwise cause to grow' in the wild any plant in Schedule 9 Part II, which includes Japanese knotweed (*Fallopia japonica*).

Under the Hedgerow Regulations 1997 any hedgerows classified as 'Important' cannot be removed without a Hedgerow Removal Notice issued by the relevant Local Authority, unless that removal is subject to an appropriate consent under the Town and Country Planning Act 1990.

The Regulations apply to any hedgerow which:

- grows in, or adjacent to any common land, local nature reserve, Site of Special Scientific Interest (SSSI), or land used for agriculture, forestry or the breeding or keeping of horses, ponies or donkeys and;
- has a continuous length of at least 20 metres, or if less than 20 metres, meets another hedgerow at each end.

An 'important' hedgerow is one that has existed for 30 years or more, and satisfies at least one of archaeological and ecological criteria listed in Schedule 1 of the Hedgerow Regulations 1997.

3.0 Relevant Legislation (Continued)

The following table provides a summary of the main species within the UK that could be encountered within or within proximity of development sites, together with the legislation that affords them protection.

	Species	Legislation
Amphibians	Great crested newt (<i>Triturus cristatus</i>)	Schedule 5 of the Wildlife & Countryside Act 1981 (as amended). Schedule 2 of the Conservation of Habitats and Species Regulations 2010.
	Natterjack toad (<i>Bufo calamita</i>)	
Mammals	Badger (<i>Meles meles</i>)	Protection of Badgers Act 1992.
	All species of bat	Schedule 5 of the Wildlife & Countryside Act 1981 (as amended). Schedule 2 of the Conservation of Habitats and Species Regulations 2010.
	Dormouse (<i>Muscardinus avellanarius</i>)	
	Otter (<i>Lutra lutra</i>)	
	Water vole (<i>Arvicola amphibious</i>)	Schedule 5 of the Wildlife and Countryside Act 1981 (as amended).
Birds	All wild birds	Schedule 1 of the Wildlife and Countryside Act 1981 (as amended).
Reptiles	Adder (<i>Vipera berus</i>)	Schedule 5 of the Wildlife and Countryside Act 1981 (as amended).
	Common lizard (<i>Zootoca vivipara</i>)	
	Grass snake (<i>Natrix natrix</i>)	Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and Schedule 2 of The Conservation of Habitats and Species Regulations 2010.
	Slow worm (<i>Anguis fragilis</i>)	
	Sand lizard (<i>Lacerta agilis</i>)	Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and Schedule 2 of The Conservation of Habitats and Species Regulations 2010.
	Smooth snake (<i>Coronella agilis</i>)	
Crustacean	White-clawed crayfish (<i>Austropotamobius pallipes</i>)	Schedule 5 of the Wildlife and Countryside Act 1981 (as amended).

Table 3.1 Protected Species and the Associated Legislation.

It is a criminal offence to intentionally, wilfully kill, injure or take any of the aforementioned protected species or to destroy or disturb its habitat.

4.0 Survey Methodology

The Extended Phase 1 Ecological Assessment involved the collection and review of data from a desk study and field survey.

4.1 Desk Study

A review of the designated sites and habitats as well as protected and notable species within 1km of the site has been undertaken using data provided by the local records centre for North Wales (Cofnod).

Ordnance survey data and aerial photographs were used to identify features of importance within 2km of the site.

4.2 Field Survey

A walkover survey of the site was conducted on 1st November 2013 and the habitat types and features of ecological interest were identified and mapped in compliance with the Handbook for Phase 1 Habitat Survey: a Technique for Environmental Audit (*JNCC, 2010*). The survey methodology involves the recording and mapping of all habitat types and ecological features present on site, including the identification of the main species present and examination of the potential for any protected species. Habitats were mapped and target notes made for any interesting features.

When conducting the surveys particular focus was concentrated on the following species and habitat features:

- Amphibians;
- Badgers;
- Bats;
- Birds (including Schedule 1 species);
- Dormouse;
- Hedgerows and boundaries;
- Invasive plant species;
- Otter;
- Plant communities;
- Reptiles;
- Trees;
- Water vole;
- White-clawed crayfish.

5.0 Survey Results

5.1 Desk Study

There are no statutory sites, wildlife sites, North Wales Wildlife Trust Reserves, Royal Society for the Protection of Birds Reserves, or Regionally Important Geological Sites within 1km of the proposed development site.

Two statutory sites were identified within a 2km radius of the proposed development site and are detailed in Table 5.1 below.

Site name	Grid reference	Distance (km)	Description	Status
Marford Quarry	SJ357560	1.3	Disused sand and gravel quarry which supports a range of wildflowers and butterflies.	SSSI LNR
Chwrel Singret	SJ344 561	1.9	Disused sand and gravel pit with geological interest.	SSSI

Table 5.1 Statutory Sites within 2km of the Proposed Development Site. SSSI: Sites of Scientific Interest, LNR: Local Nature Reserve.

The River Alyn, a tributary of the River Dee and Bala Lake Special Area of Conservation, lies approximately 520m from the proposed development site boundary.

It is not considered that the proposed development will impact on the aforementioned sites if the boundary features are retained and incorporated as part of the landscape proposals, as this should maintain the existing connectivity with natural habitats in the surrounding areas.

The species records obtained from Cofnod are included in Appendix 2.

A summary description of key habitats within the survey area is provided in Section 5.2, and notes on the presence or potential presence of protected species is provided in Section 5.3. The Phase 1 Habitat map and Target notes can be found in Appendix 1.

5.2 Habitat Survey

Table 5.2 details the habitat types on proposed development site.

JNCC Habitat code	Habitat name	JNCC Habitat code	Habitat name
A3.3	Scattered Mixed Trees	J2.1.2	Intact Species-poor Hedge
C3.1	Tall Ruderal	J2.2.2	Defunct Species-poor Hedge
J1.1	Arable	J2.4	Fence
J1.2	Amenity Grassland	J3.6	Building
J1.4	Introduced Shrub	N/A	Hard Standing

Table 5.2 Habitat Types on the Proposed Development Site.

5.0 Survey Results (Continued)

Scattered Mixed Trees

There are several trees along the site boundaries, species include ash (*Fraxinus excelsior*), common beech (*Fagus sylvatica*), sycamore (*Acer pseudoplatanus*), *Prunus* sp., cupresses sp., Lombardy poplar (*Populus nigra* 'italica'), and walnut (*Juglans* sp.). The potential for these trees to support a bat roost is discussed in Section 5.3.



Photograph 5.1 Scattered Trees

Tall Ruderal

There are small patches of tall ruderals near the site boundary to the east between a polytunnel and the boundary trees and in the northwest corner of the site. Nettle (*Urtica dioica*), hogweed (*Heracleum sphondylium*), and bramble (*Rubus fruticosus* agg.) are the predominant species within this habitat.



Photograph 5.2 Tall Ruderal

5.0 Survey Results (Continued)

Arable

The proposed development site is currently being utilised as a horticultural nursery. Therefore, areas of the site are used for storing plants.



Photograph 5.3 Arable

Amenity Grassland

An area of amenity grassland is located adjacent to the site boundaries to the northwest. Species within this habitat include perennial rye-grass (*Lolium perenne*), cock's foot (*Dactylis glomerata*), nettle (*Urtica dioica*), spear thistle (*Cirsium vulgare*), creeping buttercup (*Ranunculus repens*), common dandelion (*Taraxacum officinale* agg.), cleavers (*Galium aparine*), white clover (*Trifolium repens*), yarrow (*Achillea millefolium*), smooth sow-thistle (*Sonchus oleraceus*), common field speedwell (*Veronica persica*), selfheal (*Prunella vulgaris*), greater plantain (*Plantago major*), daisy (*Bellis perennis*), and broadleaved willowherb (*Epilobium montanum*).



Photograph 5.4 Amenity Grassland

5.0 Survey Results (Continued)

Hedges

There are intact species-poor hedges on all four boundaries of the site. The hedge that runs adjacent to the site boundary to the west comprises hawthorn (*Crataegus monogyna*), holly (*Ilex aquifolium*), oak (*Quercus robur*), and elder (*Sambucus nigra*). The hedges adjacent to the boundaries to the north and east comprise of *Cupresses sp.* and elder (*Sambucus nigra*). The hedge adjacent to the site boundary to the south consists of privet (*Ligustrum sp.*). There is a defunct hedge running adjacent to the site boundary to the east. This has been coppiced; therefore the species comprising this hedge are unknown. Understory species include bramble (*Rubus fruticosus agg.*), hedge bindweed (*Calystegia sepium*), hedge mustard (*Sisymbrium officinale*), ivy (*Hedera helix*), nettle (*Urtuca dioica*), and *Euphorbia sp.*.



Photograph 5.5 Hawthorn Hedge



Photograph 5.6 Conifer Hedge



Photograph 5.7 Privet Hedge



Photograph 5.8 Defunct Hedge

5.0 Survey Results (Continued)

Buildings

There are 14 buildings on the proposed development site (See Drawing P.373.13.01). Below are photographs and brief descriptions of each building. The suitability of the buildings to support bat roosts is discussed in Section 5.3.



Photograph 5.8 Building 1

A lean-to building constructed of corrugated metal sheets and steel poles.



Photograph 5.9 Building 2

A shed constructed of concrete blocks with a double pitched corrugated sheet roof.



Photograph 5.10 Building 3

A glasshouse with a multiple pitched roof. This building was still used for horticultural practices at the time of survey.



Photograph 5.11 Building 4

A polythene tunnel, still used for horticultural practices.

5.0 Survey Results (Continued)



Photograph 5.12 Building 5, 6 & 7

Building 5 & 7 are polythene tunnels. Building 6 is a shed constructed of wood with a double pitch felt roof.



Photograph 5.13 Building 8

A disused boiler house constructed of brick with a corrugated metal sheet roof.



Photograph 5.14 Building 9

A toilet block constructed of concrete blocks with a flat metal roof.



Photograph 5.15 Building 10

A wooden shed with a flat felt roof.

5.0 Survey Results (Continued)



Photograph 5.16 Building 11

A glasshouse with a double pitched roof on a northeast southwest axis.



Photograph 5.17 Building 12

A wooden shed with a double pitched felt roof.



Photograph 5.18 Building 13

An open polythene tunnel still used for horticultural purposes.



Photograph 5.19 Building 14

A glasshouse with a multiple pitched roof still used for horticultural purposes.

5.3 Protected Species

Great Crested Newts

Cofnod does not hold any records of great crested newt within 1km of the site. There is one pond within 500m of the proposed development site. This pond is situated approximately 420m from the site boundary to the southwest. Movement between the site and this pond is deemed very unlikely due to the presence of arable fields, a woodland strip, residential housing and Rosemary Lane that separate the two locations.

Due to the lack of favourable breeding habitat within 500m of the site and as no great crested newts have been recorded in the surrounding areas it is considered unlikely that the proposed development will impact on any great crested newts.

5.0 Survey Results (Continued)

Badgers

The site was surveyed for evidence of badgers. Attention was paid to the following field signs; setts, latrines, paths, footprints, scratching posts, snuffle holes, and traces of hair. No setts were identified on or within 30m of the site and there was no evidence of badgers visiting the site. The owners of the nursery have not observed badgers on or in the vicinity of the site. In addition, the habitats on site do not provide favourable conditions for sett building and are considered to have low foraging potential.

Bats

Trees within the survey area were inspected from ground level for features such as missing limbs, lifted bark, cavities, or woodpecker holes that have potential for bat roosting. No potential roosting sites within the trees on site were identified.

An external and internal inspection of each building was conducted to assess the likelihood of bats being present and thus the need for further surveys. All areas of each building were inspected thoroughly for signs of bat roosting; no evidence of bats was found.

The buildings on site are not considered to offer suitable bat roosting sites. With the exception of building 8 all the buildings are constructed of materials that are unfavourable to bats such as glass, prefabricated sheet materials, wood, and polythene. None of the buildings contain a roof void or contain suitable locations for crevice dwelling bats. Although building 8 is constructed of brick it has a corrugated metal sheet roof, the interior is cool, and draughty, plus there are very few features on the building's exterior suitable for roosting.

Habitats within the surrounding landscape are considered ideal for bats and therefore are likely to be associated with high levels of bat activity. Due to the density of manmade structures within the site, it is considered that any bat activity across the site will be concentrated to the boundary hedges and trees.

Barn Owl

Cafnod hold records of barn owl. No suitable roosting sites were observed within the buildings or trees on site and the nursery is not considered to provide adequate foraging habitat due to the lack of rough grassland.

Birds

The habitats on site, particularly the boundary hedges and trees, offer potential foraging and nesting sites for breeding birds.

Invasive Plant Species

No invasive plant species were observed within the proposed development site.

5.0 Survey Results (Continued)

Reptiles

Cofnod does not hold any records of reptiles within 1km of the site.

The current provision of habitats within the survey area was assessed and potential refuges were checked for the presence of reptiles. No reptiles were observed during the habitat survey.

Although the survey area contains a number of potential refuge sites for reptiles, there is very little foraging habitat, the aspect as well as topography of the site is not considered favourable for reptiles and the current occupants of the site were not aware of any reptiles utilising the nursery. Therefore, the proposed development site is deemed to be of low ecological value for these species.

Water Voles, Otter, and White Clawed Crayfish

The proposed development is not within 500m of any watercourse and therefore presence of water voles, otters, or white clawed crayfish is not considered to be a constraint to development.

Other Species

No other protected species such as dormouse or brown hare were observed during the habitat survey or noted during the desk study. Therefore, further ecological constraints from those already discussed are not anticipated.

6.0 Conclusions & Recommendations

6.1 Habitats

The survey area comprises scattered trees, tall ruderals, arable land, amenity grassland, introduced shrub, specie-poor hedges, fences, buildings, and hand standing.

The hedges and trees on the site boundaries offer nesting and foraging opportunities for birds, as well as potential commuting and foraging corridors for bats. Therefore, it is recommended that these features are retained and incorporated into the proposed development where possible for their value to local biodiversity.

Any additional planting to be incorporated as part of the landscape scheme for the proposed development should use only native species that maximise food and nectar sources for birds as well as invertebrates, and should be typical species of the local area.

6.0 Conclusions & Recommendations (Continued)

6.2 Protected Species

Great Crested Newts

Although the presence of great crested newts is considered unlikely, all site personnel should be informed of the legal protection afforded to great crested newts, how to identify great crested newts, and made aware of the procedure should a great crested newt be discovered during development works. If a great crested newt is discovered during development then all works should cease and advice should be sought from the project ecologist.

Bats

As the buildings and trees on site are deemed to have low bat roosting potential the proposed development site is not considered to currently offer any roosting opportunities for bats.

Therefore, no further survey work relating to bats is recommended as part of the proposed development unless more than two years lapses before works commence.

As high levels of bat activity are expected in the vicinity of the proposed development site external lighting incorporated during development should be kept to a minimum and designed to avoid spill into nearby vegetation (see *Bats and lighting in the UK- bats and the built environment series*, Bat Conservation Trust, 2009).

Birds

As habitats within site have the potential to provide nesting sites for breeding birds the demolition of the existing building, and any vegetation clearance required for the proposed development should be undertaken outside of the bird breeding season. Demolition or vegetation clearance carried out during the breeding season (between March and the end of August) will require a nesting bird survey to be conducted by a suitably qualified ecologist before works commence. If any active nests are observed during the survey, exclusion zones will be recommended and works should not occur in these areas until the birds have fledged.

Reptiles

The following Reasonable Avoidance Measures should be taken to reduce the risk to reptiles in the unlikely event that they are present on site:

- All potential refugia and basking areas should be removed from the development footprint by hand by a suitably experienced ecologist;
- Before development works a destructive search within all construction areas should be conducted by a suitably experienced ecologist.

7.0 References

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Appendix 1

ALL COORDINATES RELATED TO LOCAL GRID
LOCATED TO OS NG BY BEST FIT TO DETAIL,
EXTRACTED FROM OS DIGITAL DATA.

Ascerta

KEY

- A3.3

Scattered mixed trees
- C3.1

Tall ruderal vegetation
- J1.1

A

Arable
- J1.2

A

Amenity grassland
- J1.4

Introduced shrub
- J2.1.2

Species poor intact hedge
- J2.2.2

Species poor defunct hedge
- J2.4

Fence
- J3.6

Building
- J5

Hard standing
- ①
- Target note

REV	DESCRIPTION	DATE
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CLIENT:
Gordon Mytton Homes

PROJECT:
Burton Hall Road, Rossett

DRAWING TITLE:
Phase 1 Habitat Survey

SCALE: 1:500 @A3	DRAWN BY: CP	DRAWING No:	REV:
DATE: 06/11/2013	CHKD BY: NW	P.373.13.01	-



Target Notes

Each plant species noted during the phase 1 habitat survey was assigned a DAFOR score. DAFOR scale: D= dominant, A=abundant, F= frequent, O=occasional, R= rare.

TN1: Water Tank



TN2: Amenity Grassland

Species	DAFOR
<i>Lolium perenne</i>	D
<i>Dactylis glomerata</i>	F
<i>Urtica dioica</i>	F
<i>Cirsium vulgare</i>	O
<i>Ranunculus repens</i>	F
<i>Veronica persica</i>	F
<i>Plantago major</i>	F
<i>Epilobium montanum</i>	O
<i>Taraxacum officinale agg.</i>	F
<i>Galium aparine</i>	F
<i>Trifolium repens</i>	A
<i>Achillea millefolium</i>	F
<i>Sonchus oleraceus</i>	O
<i>Prunella vulgaris</i>	F
<i>Bellis perennis</i>	F

TN3: Allotment



TN4: Introduced Shrub



A small number of shrubs are planted at the front of the site species include *cotoneaster sp.*

Appendix 2



Please read **Important Issues** and **Notes** before interpreting the following information.

Our Ref.	Client Name	Date Run	Your Ref.
E03669	Ascerta	13/01/2014	Burton Hall Road, Rossett

Site Name	Grid Reference
Rosemary Nurseries	SJ356576

Category 1 Species (Species with European and/or UK Legal Protection, Section 42 [NERC] Species or UK BAP Priority Species) within 1000m - 181 records										
Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
Chiroptera (Bat Species/Ystlum)	SJ3557	14/11/1991	Anon			Site Name Withheld		D1486/001/01 (4093059)	WCA5	3
Pipistrellus pipistrellus (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3657	13/07/1987	Anon			Site Name Withheld		D1486/001/01 (4095364)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
Meles meles (Badger/Mochyn Daear)	SJ3657 (Selected from Interactive Map)	29/07/2012	Faye Durkin	1 Adult		Site Name Withheld	Comments Withheld	D1117/001/01 (3695432)	BA, LBAP[CON, DEN, FLI, WRE]	4
Lutra lutra (Otter/Dyfrgi)	SJ3657	19/03/1998	Oystein Overrein	Present None	field record	Site Name Withheld		D0969/001/03 (3519466)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Lutra lutra (Otter/Dyfrgi)	SJ3657	2 records, on 19/03/1998 and 20/03/2000	Anon - CCW; Mike Griffiths	1 Adult Male (9.1kg)		Site Name Withheld	Comments Withheld	D1153/001/02	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
Lutra lutra (Otter/Dyfrgi)	SJ3657	19/03/1998	C.C.W. Record		Spraint	Site Name Withheld		D1118/006/01 (694187)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Chiroptera (Bat Species/Ystlum)	SJ3557 (Estimated Centroid of Site))	~ 2005	BASC Recorder (1595588-3)				Comments Withheld	D0132/001/02 (4120278)	WCA5	4
Lepus europaeus (Brown Hare/Ysgyfarnog)	SJ350579 (Estimated Centroid of Site))	~ 2005	BASC Recorder (1595588-3)				Shoot Size Range: 0-3km.	D0132/001/02 (4121018)	S42, UKBAP, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
Lissotriton vulgaris (Smooth Newt/Madfall Ddwr Gyffredin)	SJ350579 (Estimated Centroid of Site))	~ 2005	BASC Recorder (1595588-3)				Shoot Size Range: 0-3km.	D0132/001/02 (4121881)	WCA5, LBAP[CON, DEN, FLI]	1
Pipistrellus (Pipistrellus Bat Species)	SJ3557 (Estimated Centroid of Site))	~ 2005	BASC Recorder (1595588-3)				Comments Withheld	D0132/001/02 (4104214)	Bonn, EPS, WCA5	1
Lepus europaeus (Brown Hare/Ysgyfarnog)	SJ356583 (Estimated Centroid of Site))	~ 2005	BASC Recorder (389374-4)				Shoot Size Range: 0-3km.	D0132/001/02 (4120913)	S42, UKBAP, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
Lepus europaeus (Brown Hare/Ysgyfarnog)	SJ350580 (Estimated Centroid of Site))	~ 2005	BASC Recorder (389374-1)				Shoot Size Range: 0-3km.	D0132/001/02 (4120850)	S42, UKBAP, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
Anguilla anguilla (Eel/Llisywen)	SJ358569	01/08/1998	Anon - CCW			Burton; River Alyn (Km 5.3)		D1153/001/02 (4437617)	S42, UKBAP, LBAP[CON, GWY]	3
Lutra lutra (Otter/Dyfrgi)	SJ3556	10/04/1996	Anon - CCW			Site Name Withheld	Comments Withheld	D1153/001/02 (4436381)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
Lutra lutra (Otter/Dyfrgi)	SJ3556	10/04/1996	Gail Butterill	Present None	field record	Site Name Withheld		D0969/001/03 (3519430)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Salmo salar (Atlantic Salmon/Eog)	SJ358569	01/08/1998	Anon - CCW			Burton; River Alyn (Km 5.3)		D1153/001/02 (4437458)	HDir, S42, UKBAP, LBAP[CON, DEN, FLI, GWY]	3
Salmo trutta (Brown/Sea Trout/Siwin; Brithyll)	SJ358569	01/08/1998	Anon - CCW			Burton; River Alyn (Km 5.3)		D1153/001/02 (4436980)	S42, UKBAP, LBAP[CON, GWY]	3
Erinaceus europaeus (Hedgehog/Draenog)	SJ353569	10/05/2011	Mick Brummage	1 Adult	Dead on road	Rosset	On Llay Road near gardens. Time of sighting: 09.45.	D1383/001/01 (2776246)	S42, UKBAP, LBAP[ANG, CON, FLI, GWY]	4
Lutra lutra (Otter/Dyfrgi)	SJ3556	10/04/1996	C.C.W. Record		Spraint	Site Name Withheld		D1118/006/01 (694186)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Lutra lutra (Otter/Dyfrgi)	SJ3556	07/08/2006	Cardiff University & Environment Agency	Sub-adult Male	Dead on road	Site Name Withheld	Comments Withheld	D0120/001/01 (3956795)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
Lepus europaeus (Brown Hare/Ysgyfarnog)	SJ364574	06/05/2005	Anon	1		Rossett	Alive. Grassland.	D0108/001/03 (2937551)	S42, UKBAP, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
Pipistrellus pipistrellus (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3657	05/07/1989	Anon			Site Name Withheld		D1486/001/01 (4095373)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
Anguilla anguilla (<i>Eel/Llysywren</i>)	SJ357567	01/08/1998	Anon - CCW			Burton; River Alyn		D1153/001/02 (4437618)	S42, UKBAP, LBAP[CON, GWY]	3
Salmo salar (<i>Atlantic Salmon/Eog</i>)	SJ357567	01/08/1998	Anon - CCW			Burton; River Alyn		D1153/001/02 (4437459)	HDir, S42, UKBAP, LBAP[CON, DEN, FLI, GWY]	3
Salmo trutta (<i>Brown/Sea Trout/Siwin; Brithyll</i>)	SJ357567	01/08/1998	Anon - CCW			Burton; River Alyn		D1153/001/02 (4436983)	S42, UKBAP, LBAP[CON, GWY]	3
Lutra lutra (Otter/Dyfrgi)	SJ3657	06/12/2008	Peter Evans	1		Site Name Withheld	Comments Withheld	D1117/001/01 (2100291)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	4
Chiroptera (Bat Species/Ystlum)	SJ3457	24/07/1990	Anon	1		Site Name Withheld		D1486/001/01 (4093691)	WCA5	3
Lutra lutra (Otter/Dyfrgi)	SJ3657	23 records, between 04/05/1997 and 13/07/1997	C.C.W. Record		Spraint; Singular; Footprint	Site Name Withheld		D1118/006/01	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Lutra lutra (Otter/Dyfrgi)	SJ3657	21 records, between 13/07/1997 and 10/02/2000	John Bridge; Gail Butterill	None: 1, Present None	field record	Site Name Withheld		D0969/001/03	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Lutra lutra (Otter/Dyfrgi)	SJ3657	3 records, between 04/05/1997 and 03/02/2000	John Bridge; Anon - CCW			Site Name Withheld	Comments Withheld	D1153/001/02	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
Lutra lutra (Otter/Dyfrgi)	SJ3657	18/07/1999	Anon - Cheshire Wildlife Trust			Site Name Withheld	Comments Withheld	D1153/001/02 (4436846)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	3
Lutra lutra (Otter/Dyfrgi)	SJ3657	2 records, both on 16/04/2003	Gail Butterill	present None, present None	field record	Site Name Withheld		D0969/001/03	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Pipistrellus pipistrellus (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3656	20/07/1988	Anon			Site Name Withheld		D1486/001/01 (4095272)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
Lutra lutra (Otter/Dyfrgi)	SJ3556	19/03/1998	C.C.W. Record			Site Name Withheld		D1118/006/01 (694204)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Pipistrellus pipistrellus (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3656	19/06/1999	Anon	577		Site Name Withheld		D1486/001/01 (4095395)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
Pipistrellus pipistrellus (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3556	2 records, on 07/06/1988 and 21/06/1988	Anon	187		Site Name Withheld		D1486/001/01	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
Arvicola amphibius (<i>Water Vole/Llygoden Bengron y Dwr</i>)	SJ352563 (<i>Estimated Centroid of Site</i>)	~ 2005	BASC Recorder (15534803-7)				Shoot Size Range: 0-3km.	D0132/001/02 (4121081)	S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
Lutra lutra (Otter/Dyfrgi)	SJ3556 (<i>Estimated Centroid of Site</i>)	~ 2005	BASC Recorder (15534803-7)				Comments Withheld	D0132/001/02 (4104264)	Bern, CITES, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP, WRE]	1
Triturus cristatus (<i>Great Crested Newt/Madfall Ddwr Gribog</i>)	SJ357562	18/04/2005	Neil Lee-Gallon			Oth:sa:105:2004		D1317/001/01 (3976253)	Bern, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
Triturus cristatus (<i>Great Crested Newt/Madfall Ddwr Gribog</i>)	SJ3570056199	18/04/2005	Neil Lee-Gallon	1 adult male		Marfod Quarry	Torchlight survey.	D1125/001/03 (1857628)	Bern, EPS, HDir, S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, SNP, WRE]	3
Boloria euphrosyne (<i>Pearl-bordered Fritillary/Britheg Berlog</i>)	SJ357560	Before 1985	Grice, Mr M.H.	1 adult		Marford Quarry		D1050/003/01 (4112704)	S42, UKBAP, WCA5, LBAP[CON, DEN, FLI]	4
Boloria euphrosyne (<i>Pearl-bordered Fritillary/Britheg Berlog</i>)	SJ357560	1985	Grice, Mr M.H.	1 adult		Marford Quarry		D1050/001/01 (4107921)	S42, UKBAP, WCA5, LBAP[CON, DEN, FLI]	1
Boloria euphrosyne (<i>Pearl-bordered Fritillary/Britheg Berlog</i>)	SJ357560	1500 - 1985	Mr M.H. Grice	1 Adult	Field Observation	Marford Quarry		D0217/001/01 (1087212)	S42, UKBAP, WCA5, LBAP[CON, DEN, FLI]	3
Fringilla montifringilla (<i>Brambling/Pinc y Mynydd</i>)	SJ3557	04/01/2011	Kenneth George Fletcher	2		Burton	BirdTrack.	D1297/005/01 (4607762)	WCA1, LBAP[CON]	1
Meles meles (<i>Badger/Mochyn Daear</i>)	SJ3557	24/01/2003	Clwyd Badger Group (CBG)		Badger Sett		CBG Ref: A78.0. Please contact CBG for more details.	D0059/001/01 (802953)	BA, LBAP[CON, DEN, FLI, WRE]	3
Passer domesticus (<i>House Sparrow/Aderyn y To</i>)	SJ3557	27/11/2010	Kenneth George Fletcher	9		Burton	Birdtrack:.	D1297/005/01 (4615651)	S42, UKBAP, WBAm[RSPB], LBAP[CON, FLI, GWY]	1
Pipistrellus pipistrellus (<i>Common Pipistrelle/Ystlum Lleiaf Cyffredin</i>)	SJ3557	1987	Anon			Burton		D1072/001/01 (408458)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3

Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Turdus pilaris</i> (Fieldfare/Socan Eira)	SJ3557	28/11/2010	Kenneth George Fletcher	7		Burton	Birdtrack:.	D1297/005/01 (4614820)	BDir, WBAm[RSPB], WCA1, LBAP[CON]	1
<i>Vanellus vanellus</i> (Northern Lapwing/Cornchwiglen)	SJ3557	28/11/2010	Kenneth George Fletcher	9		Burton	Birdtrack:.	D1297/005/01 (4616025)	BDir, Bonn, S42, UKBAP, WBR[RSPB], LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Agrochola litura</i> (Brown-spot Pinion/Castan Smotyn Brown)	SJ3657	1966	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3472289)	S42, UKBAP, LBAP[GWY]	1
<i>Alcedo atthis</i> (Kingfisher/Glas y Dorlan)	SJ3657	21/08/2010	Norman Hallas	1		Rossett	Birdtrack:.	D1297/005/01 (4613380)	BDir, Bern, WBAm[RSPB], WCA1, LBAP[CON, DEN, FLI, GWY]	1
<i>Amphipyra tragopoginis</i> (Mouse Moth/Ol-adain Lyglwyd)	SJ3657	1966	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3472106)	S42, UKBAP, LBAP[GWY]	1
<i>Aporophyla lutulenta</i> (Deep-brown Dart/Gwladwr Brownddu)	SJ3657	1966	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471160)	S42, UKBAP	1
<i>Arctia caja</i> (Garden Tiger/Teigr yr Ardd)	SJ3657	1968	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3472038)	S42, UKBAP, LBAP[GWY]	1
<i>Asteroscopus sphinx</i> (Sprawler/Cwcwll Bwaog)	SJ3657	1972	Newstead, Mr M.	Present		Rossett		D1050/003/01 (3471171)	S42, UKBAP	1
<i>Asteroscopus sphinx</i> (Sprawler/Cwcwll Bwaog)	SJ3657	1972	Mr M. Newstead	Present	Field Observation	Rossett		D0217/001/01 (1092314)	S42, UKBAP	3
<i>Celaena leucostigma</i> (Crescent/Clustwyfyn Cilgantog)	SJ3657	25/07/1971	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3468278)	S42, UKBAP	1
<i>Chiasmia clathrata</i> (Latticed Heath/Seffyr Delltog)	SJ3657	1969	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471111)	S42, UKBAP, LBAP[GWY]	1
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3657	1968	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (4112800)	S42, UKBAP, LBAP[GWY]	4
<i>Ennomos erosaria</i> (September Thorn/Carpiog Medi)	SJ3657	1966	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471247)	S42, UKBAP	1
<i>Eulithis mellinata</i> (Spinach/Brychan Cwrens)	SJ3657	1982	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3472031)	S42, UKBAP, LBAP[GWY]	1
<i>Hipparchia semele</i> (Grayling/Gweirlöyn Llwyd)	SJ3657	1989	Wotherspoon, G.	Present female		Rossett		D1050/003/01 (4112826)	S42, UKBAP, LBAP[GWY]	4
<i>Lasioommata megera</i> (Wall/Gweirlöyn y Cloddiau)	SJ3657	1968	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (4112728)	S42, UKBAP, LBAP[GWY]	4
<i>Lycia hirtaria</i> (Brindled Beauty/Rhisglyn Brith)	SJ3657	2 records, in 1989 and 1990	Grice, Mr M.H.	Present, Present		Rossett		D1050/003/01	S42, UKBAP, LBAP[GWY]	1
<i>Macaria wauaria</i> (V-moth/Seffyr y Ffyrch)	SJ3657	1989	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471143)	S42, UKBAP	1
<i>Malacosoma neustria</i> (Lackey/Gwaswyfyn)	SJ3657	27/07/1986	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3469419)	S42, UKBAP, LBAP[GWY]	1
<i>Melanthia procellata</i> (Pretty Chalk Carpet/Brychan Hardd y Calch)	SJ3657	1969	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471352)	S42, UKBAP, LBAP[GWY]	1
<i>Natrix natrix</i> (Grass Snake/Neidr y Gwair)	SJ3657	1907	Benden	Few		Rossett		D0035/002/01 (2502460)	S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3657	1987	Anon			Rossett		D1072/001/01 (408506)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3657	1987	Anon The Mammal Society	Present None	None	Marford		D0969/001/03 (3533586)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Polia bombycina</i> (Pale Shining Brown/Gwyfyn Arennau Disglair)	SJ3657	1966	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3472029)	S42, UKBAP, LBAP[CON]	1
<i>Rhizedra lutosa</i> (Large Wainscot/Gwelltwyfyn Mawr)	SJ3657	1985	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471377)	S42, UKBAP, LBAP[GWY]	1
<i>Tholera decimalis</i> (Feathered Gothic/Rhwyll Bluog)	SJ3657	1966	Grice, Mr M.H.	Present		Lavister, Rossett		D1050/003/01 (3472270)	S42, UKBAP	1
<i>Timandra comae</i> (Blood-Vein/Gwyfyn Gwythien Goch)	SJ3657	1966	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471147)	S42, UKBAP	1
<i>Trichiura crataegi</i> (Pale Eggar/Wylun Gwelw)	SJ3657	2 records, on 08/10/1971 and 14/09/1986	Grice, Mr M.H.	Present, Present		Rossett		D1050/003/01	S42, UKBAP, LBAP[GWY]	1
<i>Vipera berus</i> (Adder/Gwiber)	SJ3657	1907	Benden	Locally common		Rossett		D0035/002/01 (2502313)	S42, UKBAP, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Watsonalla binaria</i> (Oak Hook-tip/Bachadain y Deri)	SJ3657	1966	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471149)	S42, UKBAP, LBAP[GWY]	1

Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Xanthia gilvago</i> (Dusky-lemon Sallow/Melyn y Llwyf)	SJ3657	17/09/1976	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3468001)	S42, UKBAP	1
<i>Xanthorhoe decoloraria</i> (Red Carpet/Brychan Coch)	SJ3657	1982	Grice, Mr M.H.	Present		Rossett		D1050/003/01 (3471919)	S42, UKBAP	1
<i>Passer domesticus</i> (House Sparrow/Aderyn y To)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4615655)	S42, UKBAP, WBAm[RSPB], LBAP[CON, FLI, GWY]	1
<i>Turdus iliacus</i> (Redwing/Coch Dan Adain)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4616090)	BDir, WBAm[RSPB], WCA1, LBAP[CON]	1
<i>Vanellus vanellus</i> (Northern Lapwing/Cornchwiglen)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4616027)	BDir, Bonn, S42, UKBAP, WBR[RSPB], LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Meles meles</i> (Badger/Mochyn Daear)	SJ3457	30/12/2002	Clwyd Badger Group (CBG)		Badger Sett		CBG Ref: A28.0. Please contact CBG for more details.	D0059/001/01 (802893)	BA, LBAP[CON, DEN, FLI, WRE]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3457	1987	Anon			Burton		D1072/001/01 (408457)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Plecotus</i> (Long-eared Bat Species)	SJ3457	1987	Anon			Burton		D1072/001/01 (409848)	Bonn, EPS, WCA5	3
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3556	1500 - 1990	Unknown		Field Observation	Marford Quarry		D0217/001/01 (1089077)	S42, UKBAP, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3556	Before 1990	Anon.			Marford Quarry		D1050/003/01 (4112795)	S42, UKBAP, LBAP[GWY]	4
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3556	Summer 1983	Thomas, Dr C.D.	Present		Gresford		D1050/003/01 (4112370)	S42, UKBAP, LBAP[GWY]	1
<i>Erynnis tages</i> (Dingy Skipper/Gwibiwr Llwyd)	SJ3556	Before 1990	Anon.			Marford Quarry		D1050/003/01 (4112841)	S42, UKBAP, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper/Gwibiwr Llwyd)	SJ3556	1500 - 1990	Unknown		Field Observation	Marford Quarry		D0217/001/01 (1089080)	S42, UKBAP, LBAP[CON, FLI, GWY]	3
<i>Hipparchia semele</i> (Grayling/Gweirlöyn Llwyd)	SJ3556	1500 - 1990	Unknown		Field Observation	Marford Quarry		D0217/001/01 (1089066)	S42, UKBAP, LBAP[GWY]	3
<i>Hipparchia semele</i> (Grayling/Gweirlöyn Llwyd)	SJ3556	Before 1990	Anon.			Marford Quarry		D1050/003/01 (4112821)	S42, UKBAP, LBAP[GWY]	4
<i>Lasiommata megera</i> (Wall/Gweirlöyn y Cloddiau)	SJ3556	Before 1990	Anon.			Marford Quarry		D1050/003/01 (4112724)	S42, UKBAP, LBAP[GWY]	4
<i>Lasiommata megera</i> (Wall/Gweirlöyn y Cloddiau)	SJ3556	1500 - 1990	Unknown		Field Observation	Marford Quarry		D0217/001/01 (1089079)	S42, UKBAP, LBAP[GWY]	3
<i>Meles meles</i> (Badger/Mochyn Daear)	SJ3556	02/04/2007	Clwyd Badger Group (CBG)		Badger Sett		CBG Ref: A59.0. Please contact CBG for more details.	D0059/001/01 (802928)	BA, LBAP[CON, DEN, FLI, WRE]	3
<i>Plebejus argus</i> (Silver-studded Blue/Glesyn Serennog)	SJ3556	2 records, in 1500 and 1978	Unknown	5 Female	Field Observation	Translocation, Marford Quay		D0217/001/01	S42, UKBAP, WCA5, LBAP[CON, DEN, FLI, SNP]	3
<i>Plebejus argus</i> (Silver-studded Blue/Glesyn Serennog)	SJ3556	2 records, both in 1978	Anon.	5 female		Marford Quarry		D1050/003/01	S42, UKBAP, WCA5, LBAP[CON, DEN, FLI, SNP]	4
<i>Adscita statices</i> (Forester/Coediwr)	SJ3658	1946	E Eckford			Pulford	Substrate:Unknown.	D1285/001/01 (3048752)	S42, UKBAP, LBAP[DEN]	3
<i>Melanthia procellata</i> (Pretty Chalk Carpet/Brychan Hardd y Calch)	SJ3658	1969	Mike Grice	1 Adult		Pulford	Substrate:Unknown.	D1285/001/01 (3054202)	S42, UKBAP, LBAP[GWY]	3
<i>Meles meles</i> (Badger/Mochyn Daear)	SJ3658	10/07/2001	Clwyd Badger Group (CBG)		Badger Sett		CBG Ref: A70.1. Please contact CBG for more details.	D0059/001/01 (802946)	BA, LBAP[CON, DEN, FLI, WRE]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3458	1987	Anon			Burton Green		D1072/001/01 (408456)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3656	1900 - 1983	Mr M. Newstead		Field Observation	Marford Quarry		D0217/001/01 (1100183)	S42, UKBAP, LBAP[GWY]	3
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3656	Before 1983	Newstead, Mr M.			Marford Quarry		D1050/003/01 (4112793)	S42, UKBAP, LBAP[GWY]	4
<i>Erynnis tages</i> (Dingy Skipper/Gwibiwr Llwyd)	SJ3656	Before 1983	Newstead, Mr M.			Marford Quarry		D1050/003/01 (4112840)	S42, UKBAP, LBAP[CON, FLI, GWY]	4
<i>Erynnis tages</i> (Dingy Skipper/Gwibiwr Llwyd)	SJ3656	1900 - 1983	Mr M. Newstead		Field Observation	Marford Quarry		D0217/001/01 (1100193)	S42, UKBAP, LBAP[CON, FLI, GWY]	3
<i>Hipparchia semele</i> (Grayling/Gweirlöyn Llwyd)	SJ3656	1900 - 1983	Mr M. Newstead		Field Observation	Marford Quarry		D0217/001/01 (1100194)	S42, UKBAP, LBAP[GWY]	3
<i>Hipparchia semele</i> (Grayling/Gweirlöyn Llwyd)	SJ3656	Before 1983	Newstead, Mr M.			Marford Quarry		D1050/003/01 (4112820)	S42, UKBAP, LBAP[GWY]	4

Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Lasiommata megera</i> (Wall/Gweirlöyn y Cloddiau)	SJ3656	Before 1983	Newstead, Mr M.			Marford Quarry		D1050/003/01 (4112722)	S42, UKBAP, LBAP[GWY]	4
<i>Lasiommata megera</i> (Wall/Gweirlöyn y Cloddiau)	SJ3656	1900 - 1983	Mr M. Newstead		Field Observation	Marford Quarry		D0217/001/01 (1100187)	S42, UKBAP, LBAP[GWY]	3
<i>Meles meles</i> (Badger/Mochyn Daear)	SJ3656	16/01/2007	Clwyd Badger Group (CBG)		Badger Sett		CBG Ref: A75.0. Please contact CBG for more details.	D0059/001/01 (802950)	BA, LBAP[CON, DEN, FLI, WRE]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3656	1987	Anon			Rossett		D1072/001/01 (408505)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	3
<i>Pipistrellus pipistrellus</i> (Common Pipistrelle/Ystlum Lleiaf Cyffredin)	SJ3656	1987	Anon The Mammal Society	Present None	None	Marford Sand Pit, Marford, Gresford, Wrexham		D0969/001/03 (3533587)	Bern, Bonn, EPS, HDir, S42, WCA5, LBAP[ANG, CON, DEN, FLI, GWY, SNP]	1
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3456	24/08/1993	Fowles, Mr A.P.			Ballswood Sand Quarry, Gresford		D1050/003/01 (4112355)	S42, UKBAP, LBAP[GWY]	1
<i>Coenonympha pamphilus</i> (Small Heath/Gweirlöyn Bach y Waun)	SJ3456 (Centroid)	2 records, both on 24/08/1993	Adrian Fowles	1	Field record / observation; Field Observation	SJ3456; Ballswood Sand Quarry, Gresford	Ballswood Quarry.	D0127/001/02 D0217/001/01	S42, UKBAP, LBAP[GWY]	3
<i>Hipparchia semele</i> (Grayling/Gweirlöyn Llwyd)	SJ3456	2 records, both on 24/08/1993	Adrian Fowles	1	Field Observation; Field record / observation	Ballswood Sand Quarry, Gresford; SJ3456	Ballswood Quarry.	D0217/001/01 D0127/001/02	S42, UKBAP, LBAP[GWY]	3
<i>Hipparchia semele</i> (Grayling/Gweirlöyn Llwyd)	SJ3456	24/08/1993	Fowles, Mr A.P.			Ballswood Sand Quarry, Gresford		D1050/003/01 (4112472)	S42, UKBAP, LBAP[GWY]	4
<i>Meles meles</i> (Badger/Mochyn Daear)	SJ3456	3 records, all on 26/07/2002	Clwyd Badger Group (CBG)		Badger Sett		CBG Ref: A60.0. Please contact CBG for more details.; CBG Ref: A60.2; CBG Ref: A62.0.	D0059/001/01	BA, LBAP[CON, DEN, FLI, WRE]	3
<i>Meles meles</i> (Badger/Mochyn Daear)	SJ3456	29/09/1998	Joel Miller & Amanda Davies			Ballswood Quarry and Cockpit Wood	Setts found.	D0229/002/01 (4437992)	BA, LBAP[CON, DEN, FLI, WRE]	4

Category 2 Species (Global Red List, British Red Data Book, Nationally Rare & Scarce, Welsh Red and Amber Birds & Welsh Vascular Plant Red Data List, where these are not identified in Category 1) within 1000m - 20 records										
Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Scolopax rusticola</i> (Woodcock/Cyffyllog)	SJ350579 (Estimated Centroid of Site)	~ 2005	BASC Recorder (1595588-3)				Shoot Size Range: 0-3km.	D0132/001/02 (4105377)	BDir, Bonn, WBAm[RSPB], LBAP[CON, DEN, FLI, GWY]	1
<i>Alauda arvensis</i> (Sky Lark/Ehedydd)	SJ356583 (Estimated Centroid of Site)	~ 2005	BASC Recorder (389374-4)				Shoot Size Range: 0-3km.	D0132/001/02 (4121690)	BDir, WBAm[RSPB], LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Alauda arvensis</i> (Sky Lark/Ehedydd)	SJ350580 (Estimated Centroid of Site)	~ 2005	BASC Recorder (389374-1)				Shoot Size Range: 0-3km.	D0132/001/02 (4121688)	BDir, WBAm[RSPB], LBAP[ANG, CON, DEN, FLI, GWY, SNP]	4
<i>Aegithalos caudatus</i> (Long-tailed Tit/Titw Cynffon-Hir)	SJ3557	27/11/2010	Kenneth George Fletcher	10		Burton	Birdtrack:.	D1297/005/01 (4615768)	WBAm[RSPB]	1
<i>Periparus ater</i> (Coal Tit/Titw Penddu)	SJ3557	27/11/2010	Kenneth George Fletcher	3		Burton	Birdtrack:.	D1297/005/01 (4612830)	Bern, WBAm[RSPB], LBAP[CON]	1
<i>Sturnus vulgaris</i> (Common Starling/Drudwen)	SJ3557	27/11/2010	Kenneth George Fletcher	6		Burton	Birdtrack:.	D1297/005/01 (4613659)	BDir, WBR[RSPB], LBAP[CON, FLI, GWY]	1
<i>Anas platyrhynchos</i> (Mallard/Hwyaden Wylt)	SJ3657	20/07/2010	Norman Hallas	4		Rossett	Birdtrack:.. Breeding code: FL.	D1297/005/01 (4615853)	BDir, Bonn, WBAm[RSPB], LBAP[CON, GWY]	1
<i>Hirundo rustica</i> (Swallow/Gwennol)	SJ3657	20/07/2010	Norman Hallas	4		Rossett	Birdtrack:.. Breeding code: FL.	D1297/005/01 (4612066)	Bern, WBAm[RSPB], LBAP[ANG, CON, GWY]	1
<i>Phylloscopus trochilus</i> (Willow Warbler/Telor yr Helyg)	SJ3657	2 records, on 20/07/2010 and 21/08/2010	Norman Hallas	1, 1		Rossett	Birdtrack:.; Birdtrack:.. Breeding code: H.	D1297/005/01	WBR[RSPB], LBAP[CON]	1
<i>Ricciocarpus natans</i> (Fringed Heartwort)	SJ3657	1917	Thomas, Dr			Rossett,nr		D1075/001/02 (1771725)	RD2	3
<i>Larus canus</i> (Common Gull/Gwylan y Gweunydd)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4632156)	BDir, WBR[RSPB]	1
<i>Larus fuscus</i> (Lesser Black-backed Gull/Gwylan Gefnddu Leiaf)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4631975)	BDir, WBAm[RSPB], LBAP[CON, GWY, SNP]	1
<i>Sturnus vulgaris</i> (Common Starling/Drudwen)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4613665)	BDir, WBR[RSPB], LBAP[CON, FLI, GWY]	1
<i>Helleborus foetidus</i> (Stinking Hellebore/Crafanc-yr-Arth Ddrewllyd)	SJ3556	01/08/2010	Denbsgroup			Marford Quarryya		D1169/001/02 (4442694)	RD2, LBAP[CON, DEN]	3
<i>Silene vulgaris</i> (Bladder Campion/Gludlys Codrwrth)	SJ3556	01/08/2010	Denbsgroup			Marford Quarryya		D1169/001/02 (4442175)	WVP, LI[VC52]	3
<i>Gallinago gallinago</i> (Common Snipe/Giach Cyffredin)	SJ3456	29/09/1998	Joel Miller & Amanda Davies			Ballswood Quarry and Cockpit Wood		D0229/002/01 (4587565)	BDir, Bonn, WBAm[RSPB], LBAP[ANG, CON, DEN, FLI, GWY]	1
<i>Neliocarus faber</i> (An Insect - Beetle (Coleoptera))	SJ3456	24/08/1993	Adrian Fowles		Field Observation	Ballswood Sand Quarry, Gresford		D0217/001/01 (1020150)	RD2	3

Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Nysson trimaculatus</i> (An Insect - Hymenopteran)	SJ3456	1994	Carl Clee		Field Observation	Ballswood Sand Quarry, Gresford		D0217/001/01 (1013210)	RD2	3
<i>Picus viridis</i> (Green Woodpecker/Cnocell Werdd)	SJ3456	29/09/1998	Joel Miller & Amanda Davies			Ballswood Quarry and Cockpit Wood		D0229/002/01 (4437994)	Bern, WBAm[RSPB], LBAP[CON, DEN, FLI, GWY, SNP]	1

Category 3 Species (LBAP Species not identified under Categories 1 & 2, Locally Important species as specified by local experts) within 1000m - 38 records										
Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Calopteryx splendens</i> (Banded Demoiselle/Morwyn Wych)	SJ358570	02/07/1986	L.A. Thickett	Present Adult		Rosset,R Alun nr		D0067/001/01 (636450)	LBAP[SNP]	3
<i>Calopteryx splendens</i> (Banded Demoiselle/Morwyn Wych)	SJ358570 (Estimated Centroid of Site))	02/07/1986	Thickett, L.A			River Alun, Rosset		D0158/003/01 (2506804)	LBAP[SNP]	4
<i>Buteo buteo</i> (Buzzard/Bwncath)	SJ36335785	29/09/2005	Eric Fletcher	Present None	None	Denbighshire		D0969/001/03 (3515135)	Bonn, CITES, LBAP[CON]	1
<i>Barbatula barbatula</i> (Stone Loach/Gwrachen Farfog)	SJ358569	01/08/1998	Anon - CCW			Burton; River Alyn (Km 5.3)		D1153/001/02 (4436982)	LBAP[CON]	3
<i>Cottus gobio</i> (Bullhead/Penlletwad)	SJ358569	01/08/1998	Anon - CCW			Burton; River Alyn (Km 5.3)		D1153/001/02 (4436981)	HDir, LBAP[CON, DEN, FLI]	3
<i>Cottus gobio</i> (Bullhead/Penlletwad)	SJ3577856925 (Approximate)	2 records, in 2001 and 29/09/2004	Unknown At E.A.W.	23, 14	Electrofishing	Alyn - Alyn	Semi-quantative Survey. Surveyors:Unknown.; Semi-quantative Survey. Surveyors:RW/SM.	D1230/001/01	HDir, LBAP[CON, DEN, FLI]	3
<i>Cottus gobio</i> (Bullhead/Penlletwad)	SJ357567	01/08/1998	Anon - CCW			Burton; River Alyn		D1153/001/02 (4436984)	HDir, LBAP[CON, DEN, FLI]	3
<i>Phoxinus phoxinus</i> (Minnow/Pilcodyn)	SJ357567	01/08/1998	Anon - CCW			Burton; River Alyn		D1153/001/02 (4436985)	LBAP[CON]	3
<i>Accipiter nisus</i> (Sparrowhawk/Gwalch Glas)	SJ3557	27/11/2010	Kenneth George Fletcher	1		Burton	Birdtrack:.	D1297/005/01 (4614290)	Bonn, CITES, LBAP[CON]	1
<i>Buteo buteo</i> (Buzzard/Bwncath)	SJ3557	28/11/2010	Kenneth George Fletcher	3		Burton	Birdtrack:.	D1297/005/01 (4613252)	Bonn, CITES, LBAP[CON]	1
<i>Carduelis carduelis</i> (Goldfinch/Nico)	SJ3557	27/11/2010	Kenneth George Fletcher	3		Burton	Birdtrack:.	D1297/005/01 (4614504)	Bern, LBAP[ANG, CON]	1
<i>Carduelis chloris</i> (Greenfinch/Llinos Werdd)	SJ3557	27/11/2010	Kenneth George Fletcher	2		Burton	Birdtrack:.	D1297/005/01 (4614592)	Bern, LBAP[CON]	1
<i>Carduelis spinus</i> (Siskin/Pila Gwyrdd)	SJ3557	16/03/2011	Kenneth George Fletcher	2		Burton	BirdTrack.	D1297/005/01 (4629294)	Bern, LBAP[CON]	1
<i>Certhia familiaris</i> (Treecreeper/Dringwr Bach)	SJ3557	01/09/2010	Kenneth George Fletcher	1		Burton	Birdtrack:.	D1297/005/01 (4614353)	Bern, LBAP[CON]	1
<i>Cyanistes caeruleus</i> (Blue Tit/Titw Tomos Las)	SJ3557	27/11/2010	Kenneth George Fletcher	6		Burton	Birdtrack:.	D1297/005/01 (4612515)	Bern, LBAP[CON]	1
<i>Dendrocopos major</i> (Great Spotted Woodpecker/Cnocell Fraith Fwyaf)	SJ3557	01/09/2010	Kenneth George Fletcher	1		Burton	Birdtrack:.	D1297/005/01 (4614971)	Bern, LBAP[CON]	1
<i>Parus major</i> (Great Tit/Titw Mawr)	SJ3557	27/11/2010	Kenneth George Fletcher	8		Burton	Birdtrack:.	D1297/005/01 (4615108)	Bern, LBAP[CON]	1
<i>Prunella modularis</i> (Dunnock/Llwyd y Gwrych)	SJ3557	27/11/2010	Kenneth George Fletcher	2		Burton	Birdtrack:.	D1297/005/01 (4615447)	Bern, LBAP[CON]	1
<i>Sitta europaea</i> (Wood Nuthatch/Delor y Cnau)	SJ3557	27/11/2010	Kenneth George Fletcher	1		Burton	Birdtrack:.	D1297/005/01 (4616409)	Bern, LBAP[CON]	1
<i>Bryum argenteum</i> (Silver-moss)	SJ3657	1950	Hill, M.O.			Rossett,nr		D1075/001/02 (1754190)	LBAP[CON]	3
<i>Buteo buteo</i> (Buzzard/Bwncath)	SJ3657	20/07/2010	Norman Hallas	1		Rossett	Birdtrack:.. Breeding code: H.	D1297/005/01 (4613224)	Bonn, CITES, LBAP[CON]	1
<i>Syntrichia papillosa</i> (Marble Screw-moss)	SJ3657	1865	Wilson, W.			Rossett		D1075/001/02 (1774029)	LBAP[CON, FLI]	3
<i>Cyanistes caeruleus</i> (Blue Tit/Titw Tomos Las)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4612520)	Bern, LBAP[CON]	1
<i>Egretta garzetta</i> (Little Egret/Creyr Bach)	SJ3558	08/12/2010	Steven Davies	5		Burton, N	Birdtrack:.	D1297/005/01 (4632065)	BDir, Bern, CITES, LBAP[CON, GWY]	1
<i>Prunella modularis</i> (Dunnock/Llwyd y Gwrych)	SJ3558	08/12/2010	Steven Davies	1+		Burton, N	Birdtrack:.	D1297/005/01 (4615450)	Bern, LBAP[CON]	1
<i>Blackstonia perfoliata</i> (Yellow-wort/Y Ganrhi Felen)	SJ3556	01/08/2010	Denbsgroup			Marford Quarrya		D1169/001/02 (4440391)	LBAP[GWY], LI[VC52]	3
<i>Carduus nutans</i> (Musk Thistle/Ysgallen Bendrom)	SJ3556	01/08/2010	Denbsgroup			Marford Quarrya		D1169/001/02 (4440454)	LI[VC52]	3
<i>Celastrina argiolus subsp. britanna</i> (Holly Blue)	SJ3556	1500 - 1990	Unknown		Field Observation	Marford Quarry		D0217/001/01 (1089076)	LBAP[CON]	3

Taxon Name	Grid Reference	Date	Recorder(s)	Abundance	Record Type	Site Name	Comments	Dataset ID	Lists	V
<i>Epipactis helleborine</i> (Broad-leaved Helleborine/Y Galdrist Lydanddail)	SJ3556	01/08/2010	Denbsgroup			Marford Quarrya		D1169/001/02 (4440883)	CITES, LBAP[GWY], LI[VC52]	3
<i>Hypericum perforatum</i> x <i>maculatum</i> = <i>H. x desetangii</i> (Des Etangs' St John's-wort/Eurinllys Des Etangs)	SJ3556	01/08/2010	Denbsgroup			Marford Quarrya		D1169/001/02 (4441251)	LI[VC52]	3
<i>Inula conyzae</i> (Ploughman's-spikenard/Meddyg y Bugail)	SJ3556	01/08/2010	Denbsgroup			Marford Quarrya		D1169/001/02 (4441256)	LBAP[GWY]	3
<i>Lysimachia nummularia</i> (Creeping-Jenny/Siani Lusk)	SJ3556	01/08/2010	Denbsgroup			Marford Quarrya		D1169/001/02 (4441426)	LBAP[GWY]	3
<i>Neozephyrus quercus</i> (Purple Hairstreak/Brithribin Porffor)	SJ3556	1500 - 1990	Unknown		Field Observation	Marford Quarry		D0217/001/01 (1089081)	LBAP[CON]	3
<i>Actebia praecox</i> (Portland Moth/Dart Llwydwyrdd)	SJ3658	1969	Mike Grice	1 Adult		Pulford	Substrate:Unknown.	D1285/001/01 (3081335)	LBAP[DEN]	3
<i>Celastrina argiolus</i> subsp. <i>britannica</i> (Holly Blue)	SJ3656	1900 - 1983	Mr M. Newstead		Field Observation	Marford Quarry		D0217/001/01 (1100177)	LBAP[CON]	3
<i>Buteo buteo</i> (Buzzard/Bwncath)	SJ3456	29/09/1998	Joel Miller & Amanda Davies			Ballswood Quarry and Cockpit Wood		D0229/002/01 (4437993)	Bonn, CITES, LBAP[CON]	1
<i>Hippodamia (Adonia) variegata</i> (Adonis' Ladybird)	SJ3456	24/08/1993	Adrian Fowles		Field Observation	Ballswood Sand Quarry, Gresford		D0217/001/01 (1020164)	LBAP[CON]	3

Statutory Sites intersecting 1000m buffer	None
Wildlife Sites within 1000m (C=Candidate)	None
NWWT Reserves within 1000m	None
RSPB Reserves within 1000m	None
RIGS within 1000m	None
Habitat type at application grid reference	Caravan Site
Habitat type(s) within 1000m	Amenity Grassland, Arable, Buildings, Caravan Site, Dense Scrub, Gardens, Improved Grassland, Not Accessed Land, Planted Broad-leaved Woodland, Planted Coniferous Woodland, Running Water, Semi-improved Neutral Grassland, Semi-natural Broad-leaved Woodland, Standing Water, Tall Ruderal Herb
Ancient Woodland within 1000m	None

Important Issues

1. Usage of the above information is governed by Cofnod's **Terms and Conditions of Data Release** (available from Cofnod on request).
2. Records shown in bold typeface are sensitive species records. In this public version of the original report, the resolution of sensitive species grid references have been reduced and site names and comments have been removed.
3. Past records of presence of a habitat or species do not guarantee continued occurrence; absence of records does not imply absence of a species, merely that no records are held at Cofnod; Cofnod cannot guarantee the accuracy of supplied data; copyright of records remains with the original recorder.

Notes

This report should be used in conjunction with any relevant maps, where these are supplied.

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Records with 4 figure grid references are displayed as 1km squares on any relevant maps. They are listed separately in reports and highlighted in grey *italic* script.

Please note that while we hold Wales Raptor Study Group data for North East Wales we are only permitted to release it to a limited number of trusted partners. We can provide contact details if you would like to contact the Raptor Study Group directly to request species information.

Sites - Designated Sites and non-designated Wildlife Sites within 50m of the grid reference are highlighted in red. Wildlife Sites which remain unconfirmed by the relevant Local Authority are given 'Candidate' status and are displayed with the (c) suffix. The following reasons for candidate status apply: 1. Anglesey and Flintshire Wildlife Sites were identified by survey but have not been formally confirmed. 2. Conwy and Gwynedd Wildlife Sites were identified by survey and air photos and remain candidate until evaluated using selection criteria.

Dataset ID - All species records within the reports include Dataset ID codes, which can be used to find the relevant Metadata, using the **Data We Hold** page on the Cofnod website (www.cofnod.org.uk/DataWeHold.aspx). The number below the Dataset ID is the individual record ID. Please quote this if you need more information on a specific record.

'V' column - Record Verification Level. The following abbreviations apply: **1**: Unassessed, **2**: Unconfirmed, **3**: Considered Correct by Cofnod, **4**: Considered Correct by Expert. Dataset Categories and Record Verification Levels are explained in more detail within Cofnod's policy on Data Quality, available from our website.

Maps - This report should be used in conjunction with any relevant maps, where these are supplied. Where Statutory protected sites (e.g. SSSI, SAC, SPA) are displayed on Cofnod maps, more details can be obtained from Countryside Council for Wales. (Visit their website at <http://www.ccw.gov.uk/interactive-maps/official-maps-search.aspx>) Where a Phase 1 Habitat map has been supplied, this illustrates habitats mapped by CCW as part of their Habitat Survey of Wales 1979 to 1997. A separate legend is also supplied.

Lists

BA - Protection of Badgers Act, **BDir** - EU Birds Directive, **Bern** - The Bern Convention on the Conservation of European Wildlife and Natural Habitats, **Bonn** - The Bonn Convention on the Conservation of Migratory Species of Wild Animals, **CCWP** - CCW Priority Species List, **CITES** - Convention on International Trade in Endangered Species, **EPS** - European Protected Species, **HDir** - EU Habitats Directive, **LI** - Locally Important Species, identified by the County Recorder as being of particular importance in the specified Vice-County (see below for a list of Vice-Counties) N.B: Only available for certain species groups and certain areas, **LBAP** - Local Biodiversity Action Plan, **RD1** - Red Data Book listing based on IUCN guidelines, **RD2** - Red Data Book listing not based on IUCN guidelines (Nationally Rare and Scarce), **S42** - Natural Environment and Rural Communities Act 2006 (Section 42), **UKBAP** - UK Biodiversity Action Plan Priority Species, **WBAm[RSPB]** - Birds of Conservation Concern 2002-07 - Welsh Amber listed birds (not based on IUCN criteria), **WBR[RSPB]** - Birds of Conservation Concern 2002-07 - Welsh Red listed birds (not based on IUCN criteria), **WCA1** - Wildlife & Countryside Act 1981 Schedule 1, **WCA5** - Wildlife & Countryside Act 1981 Schedule 5, **WCA8** - Wildlife & Countryside Act 1981 Schedule 8, **WVP** - IUCN Threat Listing of Welsh Vascular Plants

Abbreviations

ANG - Isle of Anglesey, **CON** - Conwy, **DEN** - Denbighshire, **FLI** - Flintshire, **GWY** - Gwynedd, **SNP** - Snowdonia National Park, **WRE** - Wrexham, **LBAP** - Local Biodiversity Action Plan, **NWWT** - North Wales Wildlife Trust, **RSPB** - Royal Society for the Protection of Birds, **RIGS** - Regionally Important Geodiversity Sites, **WS** - Wildlife Site

Vice-Counties

48 - Meirionethshire, **49** - Caernarfonshire, **50** - Denbighshire, **51** - Flintshire, **52** - Anglesey

Contact Us

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