

BIODIVERSE CONSULTING

ABERYSTWYTH ROAD

PRELIMINARY ECOLOGICAL APPRAISAL

FOR: LIDL GB

REF: BIOC25-257 | V1.1



CLIENT	PROJECT		
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	Date:	November 19, 2025	

DOCUMENT CONTROL

VERSION	DATE	CHANGES	CONFIDENTIALITY	PREP	REV	AUTH
V1.0	07/11/25	Initial to client.	N/A	AB	JV	VM
V1.1	19/11/25	Update to Site boundary	N/A	BD		



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EXECUTIVE SUMMARY

Biodiverse Consulting Ltd was commissioned to undertake a Preliminary Ecological Appraisal (PEA) of land near Aberystwyth Road, Cardigan, Wales, SA43 1NA. The Site is proposed to be developed into a retail store with associated infrastructure. This report presents the key ecological constraints and opportunities in relation to the development, as summarised in the table below.

Five statutory designated sites and a single non-statutory designated site were identified within 2km of the Site.		
The majority of the Site consists of urban habitats of No Value. Grassland and Scrub habitat present is of Low value. Tree lines and hedgerows are of Local Value.		
No breeding ponds onsite but two ponds within 500m of the Site. Barriers to dispersal present with fragmented connectivity between the Site and offsite ponds. The Site is of No Value for GCN.		
Limited suitable habitat. The Site is of Low Value for reptiles.		
Structures and trees of negligible suitability to roosting bats. Foraging and commuting habitat onsite limited to small parcels. The Site is of Low Value for bats.		
Grassland, scrub and trees afford limited suitability for nesting and foraging. The Site is Low Value for birds.		
No activity or signs confirming badger presence were recorded. Limited suitable onsite habitat with connectivity to offsite. The Site is of Low Value for badger.		
The Site has the potential to support hedgehog with habitats providing some limited suitability for foraging and resting. The Site is of Low Value for hedgehog.		
Schedule 9 Invasive species small-leaved cotoneaster <i>Cotoneaster microphyllus</i> is present to the east of the Site and is required to removed and managed.		
 Production of Construction Ecological Management Plan (CEcMP). Gaps of at least 13cm x 13cm will be created within boundaries. Avoid Site clearance works during the nesting bird season (March to August inclusive) unless the Site is checked by a Suitably Qualified Ecologist (SQE) and active nests are confirmed to be absent no later than 48 hours before works commence. 		



ECOLOGICAL CONSIDERATIONS FOR ABERYSTWYTH ROAD

- Implementation of a wildlife sensitive lighting scheme and all
 construction activities will be programmed to daytime hours to reduce
 disturbance to sensitive nocturnal species, such as bats and roosting
 bird species.
- Implementation of bat and bird boxes within the development site.
- Landscape planting to compensate for any tree/shrub loss shall include species native to the local area and flora favourable to pollinator species.



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1 INTRODUCTION

1.1 SITE LOCATION & DESCRIPTION

The Site is located near Aberystwyth Road, Cardigan, Wales, SA43 1NA at an approximate central grid reference of SN 18791 46841 as illustrated in Figure 1. The 0.708ha Site currently comprises a retail store, car park and materials storage compound with scattered parcels of boundary scrub.

BIODIVERSE

Consulting

Representation

Basse

Rey

Site Boundary

Open Street Map

Figure Name: Site Location

Project Name: Lid
Aberseiff / Cardigan

Basse

St. Dogmass, Ray

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FIGURE 1: SITE LOCATION

1.2 REPORT OBJECTIVES

The aim of this report is to determine the potential ecological constraints and opportunities to development. The objectives of this report are to:

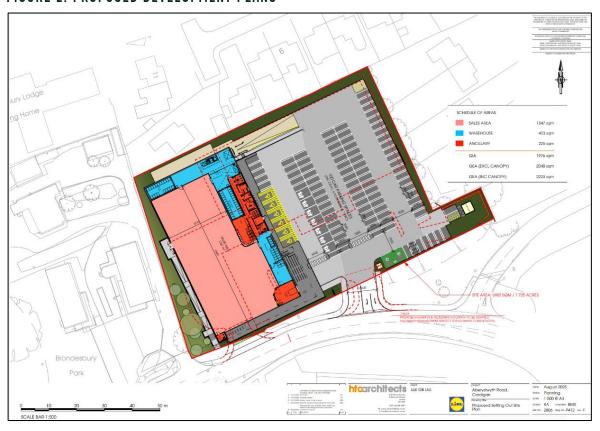
- Identify and describe ecological features/receptors that may be present on Site or within an identified Zone of Influence (ZoI).
- Outline potential mitigation, compensation or enhancement measures if required.
- Determine the need for and scope of further surveys.



1.3 DEVELOPMENT PROPOSALS

The development proposal comprises the demolition of the existing retail store, and the erection of a new retail store with carpark and associated infrastructure including landscaping, based on current Proposed Setting Out Plan Drawing Number P412 Rev B (see Figure 2).

FIGURE 2: PROPOSED DEVELOPMENT PLANS





2 METHODOLOGY

2.1 SURVEY AREA

The survey area comprised the 'Site' (Figure 3) and, where access was available, an appropriate buffer.

FIGURE 3: SURVEY AREA



2.2 DESK STUDY

A desk study was undertaken to obtain pre-existing ecological information relevant to the assessment. The desk study included:

- An assessment of aerial imagery and Ordnance Survey mapping.
- A search of the DataMapWales website¹ for all statutory designated sites within 2km and any additional sites outside of this buffer that have the potential to be impacted by the development.

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¹ DataMapWales available at: https://datamap.gov.wales/maps/new#/



 A request to the Local Record Centre (LRC) 'West Wales Biodiversity Information Centre' for records of non-statutory designated sites within 2km and protected and priority habitats and species within 2km.

2.3 FIELD SURVEY

Table 1 provides a summary of the field surveys undertaken. Full details of each survey are provided in the subsequent sections. All surveys were undertaken by suitably experienced ecologists; full details are available on request.

TABLE 1: SURVEY SUMMARY

SURVEY TYPE	DATE	TEMPERATURE	CLOUD	PRECIPITATION	WIND ²
Preliminary	24/09/2025	12°C	20%	None	2 BF
Ecological					
Appraisal					

2.3.1 Habitats/Protected Species

The Site was subjected to a Preliminary Ecological Appraisal (PEA) walkover survey during which habitats were assessed in line with the UK Habitat Classification (UKHab) methods³. As part of the survey, the Site was also checked for evidence of protected and priority species, and habitats were assessed for their potential to support them.

2.3.2 Bats

Survey methods and assessment are based on the Bat Conservation Trust (BCT) Good Practice Guidelines⁴. A Ground Level Tree Assessment (GLTA) determined the value of trees and a Preliminary Roost Assessment (PRA) determined the value of structures to roosting bats and the need for further survey and/or mitigation.

A Daytime Bat Walkover (DBW) assessed habitats for bats to roost, commute, and forage both on Site and in the surrounding area. The aim is to determine the suitability of the Site for bats, to assess whether further bat surveys will be needed and how those surveys should be safely carried out.

2.4 LIMITATIONS TO SURVEY

No internal access was available for the PRA survey, this is not considered to be a significant limitation given the design of the building and a precautionary approach will be adopted.

² Beaufort wind force scale available at: https://www.metoffice.gov.uk/weather/guides/coast-and-sea/beaufort-scale

³ UKHAB Ltd (2023) The UK Habitats Classification User Manual Version 2 at http://www.ukhab.org/

⁴ Collins, J. (ed) (2023) Bat Surveys for Professional Ecologists: Good Practice Guidelines (4th Edition). Bat Conservation Trust



Access to the north of the Site behind the building and west behind the fenceline had limited view, this was not considered a significant constraint as binoculars and satellite imagery was utilised to confirm habitat types and features.

While the UKHab survey was conducted within the optimal season, it was relatively late in the growing season. This is not considered a significant limitation as indicator species for habitats were able to be identified onsite.

2.5 ASSESSMENT

The PEA surveys may provide sufficient information to accurately determine the value of some features, whereas other features may require further study to allow this. Features for which sufficient information is available at this stage are assigned a value using a geographic frame of reference in line with guidance from the Chartered Institute of Ecology and Environmental Management (CIEEM) (Appendix G).



3 RESULTS

3.1 DESK STUDY

3.1.1 Designated Sites

Five statutory designated sites were identified within 2km of the Site. One non-statutory designated site was identified within 1km of the Site. A summary of statutory and non-statutory designated sites is provided in Table 2 and a map is presented in Appendix D.

The Special Area of Conservation (SAC) is considered to be of international value.

TABLE 2: DESIGNATED SITES

DESIGNATION	SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM Site		
Statutory Designat	Statutory Designated Sites				
Special Area of Conservation	Afon Teifi / River Teifi	 Qualifying feature annex I habitats: Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the Isoëto-Nanojuncetea Annex II species: River lamprey Lampetra fluviatilis Atlantic salmon Salmo salar Bullhead Cottus gobio Otter Lutra lutra Floating water-plantain Luronium natans Sea lamprey Petromyzon marinus 	903m SW		
Site of Special Scientific Interest	Afon Teifi	As above	903m SW		



DESIGNATION	SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM Site
Site of Special Scientific Interest	Coedydd a Corsydd Aber Teifi (Teifi Estuary Woodlands and Marshes)	Estuary, woodland and marsh habitats supporting an assemblage of flora and fauna.	1404m S
Site of Special Scientific Interest	Banc y Mwldan	Lowland unimproved pastures, supporting an assemblage of plants absent from elsewhere in south-west Wales. Also supports a variety of scarce insects.	1573m NE
Site of Special Scientific Interest	Banc-y- Warren	Embankment formed via complex fluvioglacial sediments, with associated features.	1618m E
Non-Statutory Des	ignated Sites		
Wildlife Trust Reserve	Teifi Marshes	Wetland Site, including habitats such as open pasture, Alder and Willow carr, freshwater marsh with open pools and reedbeds, tidal mudbanks. This Site supports a diverse assemblage of birds including overwintering birds.	903m S

3.1.2 Priority Habitats

No priority habitats are present within or bordering the Site.

Priority habitats within 2km of the Site include Lowland Wetland, Ancient Semi Natural Woodland, and Restored Ancient Woodland. Additionally, the Site falls within a B-Line. B-lines are part of a network of flower-rich pathways across the UK helping to connect populations of pollinator species. A map of these habitats is presented in Appendix E.

3.1.3 Protected and Priority Species

A summary of recent (2015–present) records of protected, priority or otherwise notable species was provided by the LRC (Appendix H) and relevant records are discussed in the results sections below. The full LRC search results are available on request.



3.2 FIELD SURVEY

3.2.1 Habitats

The 0.708ha Site predominantly contains Developed Land; Sealed Surface and Buildings, with areas of Modified Grassland, Mixed Scrub, Introduced Scrub, and Hedges and Lines of Trees. Detailed accounts of the UKHab habitats are provided below. A map of the UKHab habitats is provided in Appendix A with Target Notes in appendix B.

IMAGE 1 - MODIFIED GRASSLAND



IMAGE 2 - LINE OF TREES



IMAGE 3 - NATIVE HEDGEROW



IMAGE 4 - MIXED SCRUB



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IMAGE 5 - BUILDINGS



IMAGE 6 - DEVELOPED LAND; SEALED SURFACE



IMAGE 7 - INTRODUCED SHRUB



3.2.1.1 g4 — Modified Grassland

Modified Grassland to a combined area of 0.035ha in three parcels across the south of the Site (Image 1, Appendix A).

All grassland parcels indicated management and considered to be frequently mown to a sward height of 2-10cm and contained a similar structure and species composition. Dominated by perennial rye-grass *Lolium perenne*, with locally frequent cock's foot *Dactylis glomerata* and Yorkshire fog *Holcus lanatus*. Forbs comprise frequent ribwort plantain *Plantago lanceolata* and dandelion *taraxacum sp*. with occasional creeping cinquefoil *Potentilla reptans* and doves foot cranesbill *Geranium molle*. There are 4-5 species per m² with a grass to forb ratio of 70:30. Some physical damage is evident from public footfall on the path side of the parcel; bare ground is equivalent to 5%.

Modified Grassland is considered to be of Low value.

3.2.1.2 h3h Mixed Scrub

Mixed Scrub to an area of 0.004ha present on the eastern boundary of the Site (Image 4, Appendix A). Dominated by hawthorn and blackthorn, with hazel *Corylus avellana* and bramble and occasional young rowan trees present.

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Mixed Scrub is considered to be of Low value.

3.2.1.3 u1b & u1b5 Developed Land; Sealed Surface & Buildings

Buildings onsite to an area of 0.244ha comprise the current retail store (Image 5, Appendix A).

Developed Land; Sealed Surface in the form of a car park and outdoor commercial storage space to an area of 0.417ha onsite (Image 6, Appendix A).

Developed Land; Sealed Surface and Buildings are considered to be of No value.

3.2.1.4 847 — Introduced Shrub

Introduced Shrub in three parcels onsite to an area of 0.008ha (Image 7, Appendix A). S1 is located at the entranceway store signage (appendix A) and comprises daisy bush *Brachyglottis greyi* and blackthorn. S2 is located to the east of the Site and comprises additional species such as bramble, dogwood *Cornus sanguinea* and schedule 9 non-native invasive small-leaved cotoneaster *Cotoneaster microphyllus* (See section 3.22). S3 located to the west of the building comprises cotoneaster *Cotoneaster lacteus*, a large fuchsia bush *Fuchsia sp.* and a dead rowan tree *Sorbus aucuparia* incorporated into the centre of the shrub parcel.

Introduced Shrub is considered to be of Low Value

3.2.1.5 w1 33 Line of Trees

A semi-mature Line of Trees to a length of 0.055km on the western boundary of the Site (Image 2, Appendix A) comprises *beech Fagus sylvatica*, Lawson's cypress *Chamaecyparis lawsoniana*, wild cherry *Prunus avium*, ash *Fraxinus excelsior* and hawthorn *Crataegus monogyna*, to a maximum height of 7.5m. Metal fencing is situated between the current retail storage yard and the Line of Trees, restricting canopy spread to the west, however no other evidence of damage or disease were present.

This habitat is considered to be of Local Value.

3.2.1.6 h2a6 — Other Native Hedgerow

A Native Hedgerow to a length of 0.014km to the southwest of the Site (Image 3, Appendix A). With a height of 4m and width of 2m, the hedgerow is dominated by hawthorn with occasional blackthorn *Prunus spinosa* and bramble *Rubus fruticosus* agg. to an average of two woody species per 30m. The ground layer at the base of the hedgerow comprised locally dominant common ivy *Hedera helix* with occasional ribwort plantain and dandelion. There was no evidence of nutrient enrichment.

Other Native Hedgerow is considered to be of Low Value



3.2.2 Invasive Non-Native Species

Schedule 9 invasive small-leaved cotoneaster (Appendix B.1 & B.2), within Introduced Shrub on the eastern boundary of the Site.

3.2.3 Protected Species

Protected species are afforded a level of legal protection which means that their presence may pose a constraint to development. A summary of relevant legislation and associated species is provided in Appendix C.

The following sections describe the results of the field surveys and an appraisal of desk study data. Species not addressed below are considered extremely unlikely to be present and/or affected by the development and so are scoped out of further assessment.

3.2.3.1 Great Crested Newt (GCN) (Triturus cristatus)

No GCN records from the LRC were returned within 2km of the Site.

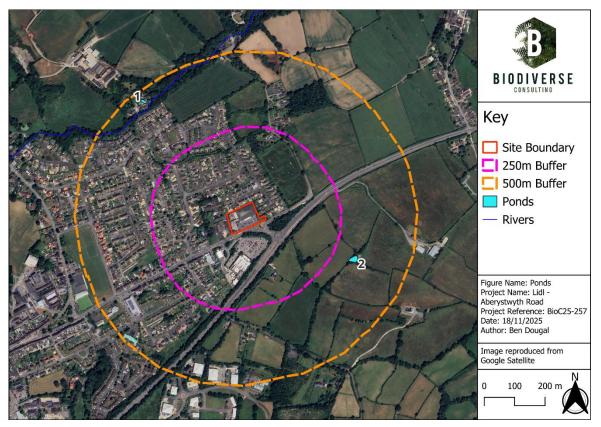
No waterbodies suitable for breeding GCN were identified on Site or within 250m. Two ponds were identified within 500m of the Site (Figure 4). Connectivity from these ponds to the Site is considered very poor due to a lack of suitable commuting habitat. The River Mwldan to the north and the A487 in the south act as barriers to dispersal from the waterbodies.

The Modified Grassland, Mixed Scrub, afford limited terrestrial habitat for GCN, however connectivity to other suitable habitat in the surrounding landscape attributable is restricted by urban areas and roads.

The Site is of No Value to GCN and thus scoped out of further assessment.



FIGURE 4: POND MAP



3.2.3.2 Reptiles

The desk study returned records for slow worm *Anguis fragilis* (12 total, closest 259m south), grass snake *Natrix Helvetica* (eight total, closest 1373m south) and common lizard *Zootoca vivipara* (seven total, closest 1300m south). Record locations are considered to have poor connectivity to the Site (Appendix H) due to dense urban development to the north and the A487 acting as a barrier to the south and east.

The Site is considered to provide low suitability habitat for reptile species due to poor foraging resources and basking space, high levels of disturbance from commercial deliveries and public footfall, and the Site predominantly comprising sealed hardstanding. The Scrub in the east of the Site may provide suitable habitat due to its structural variation, however this is limited due to the small size and isolated nature of the habitat parcel.

The Site is of Low Value to reptiles and thus scoped out of further assessment.

3.2.3.3 Bats

The local records centre returned 57 records comprising following bat species in the search area: common pipistrelle *Pipistrellus pipistrellus*, soprano pipistrelle *Pipistrellus pygmaeus*, greater horseshoe bat *Rhinolophus ferrumequinum*, lesser horseshoe bat *Rhinolophus hipposideros*, brown long-eared *Plecotus auratus*, Leisler's bat *Nyctalus leisler* and noctule *Nyctalus noctule*.

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The structures onsite presented no Potential Roost Features (PRFs) (Table 3). Trees on Site or on the boundaries also contained no PRFs. Therefore, no roosting opportunities are present on Site and suitability for roosting bats is considered negligible.

The Scrub and Line of Trees provide limited foraging and commuting opportunities, with connectivity to residential gardens in the north and grassland in the wider area to the east and south. These parcels are limited in size and the Site and immediate surrounding area are well lit at night and thus a deterrent to light sensitive species.

The Site is considered to be of Low Value to bats and are scoped out of further assessment.

TABLE 3: PRELIMINARY ROOST ASSESSMENT

BUILDING REFERENCE: 1	
Description:	Active commercial store building (Image 5), made of a brick base with parallel metal cladding from 2m to roof level. Flat metal roof with additional lower-level metal and glass canopy over store entranceway. Windows and doors are glass with metal trim. Drainpipes are made of metal.
Potential Roosting Features:	The building is well sealed and presents no suitable potential roosting features.
Suitability for Roosting Bats:	Negligible

3.2.3.4 Birds

Multiple bird records were returned from within 2km of the Site (Appendix H) including Schedule 1 and Red/Amber-Listed⁵ bird species such as Kingfisher *Alcedo atthis* associated with the River Mwalden 450m to the north, and Osprey *Pandion haliaetus* associated with the River Teifi and Teifi Marshes approximately 1km to the south. Appendix B details the three common bird species identified onsite during the survey.

The Scrub and Line of Trees within the Site afford limited nesting and foraging opportunities for a range of locally common bird species. It is considered unlikely for the Site to support Schedule 1 species associated with the nearby watercourse. The short sward of the grassland and its limited size makes it unsuitable for ground nesting birds.

With a distinct lack of open areas and smaller habitat parcels with fruit bearing species the Site is considered unsuitable for overwintering species like Redwing *Turdus iliacus* and Fieldfare *Turdus pilaris*.

Overall, the Site is considered to be of Low Value for birds and further surveys are not recommended. A precautionary approach to safeguard birds during construction, together with post development enhancement measures, is recommended.

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⁵ Birds of Conservation Concern 5 (Dec 2021) Summary – <u>bocc-5-a5-4pp-single-pages.pdf</u> (<u>bto.org</u>)



3.2.3.5 Badger (Meles meles)

The desk study returned four recent records from within 2km of the Site, with the closest being 655m to the south of the Site.

The Site provides limited potential for foraging and sett creation due to the small area of vegetation on Site. Connectivity to areas of suitable habitat within the wider landscape is limited by dense urban development to the north and A487 to the south. No activity or signs confirming badger presence, such as setts, latrines, footprints or hairs were recorded.

The Site is of Low Value to badger and thus scoped out of further assessment.

3.2.3.6 Hazel Dormouse (Muscardinus avellanarius)

The desk study returned no records within 2km of the Site.

Although the Mixed scrub contains Hazel it is considered that this habitat has limited potential for foraging and nesting due to small areas of vegetation. Connectivity to areas of suitable habitat is very poor due to a lack of significant woodland and hedgerows within the wider landscape.

The Site is of No Value to hazel dormouse and thus scoped out of further assessment.

3.2.3.7 Priority Species

The LRC returned seven records of hedgehog *Erinaceus europaeus*, the closest of which was 101m northwest of the Site within a residential garden. The Site has the potential to support hedgehog, within boundary scrub and hedgerow which provide suitable foraging and shelter habitat. No evidence of this species was found at the time of survey. The Site is of Low Value to hedgehog and measures will be implemented to safeguard this species during construction and enhancements provided post-development.

No records or evidence onsite for brown hare *Lepus europaeus* or common toad *Bufo bufo* was identified during the walkover. Habitats onsite are not suitable for these species. The Site is of No Value to brown hare and common toad.

Local records identified a range of priority invertebrates within 2km of the Site, the closest of which was a brown hairstreak butterfly *Thecla betulae* 668m south of the Site. No priority invertebrate species were observed onsite. The larval foodplant of brown hairstreak (blackthorn Prunus spinosa) was observed onsite within the Native Hedgerow, Mixed Scrub and Introduced Shrub. Given the distance to the nearest brown hairstreak record and the limited amounts of larval host plant, the Site is assessed as Low Value for brown hairstreak and is scoped out of further assessment.



4 RECOMMENDATIONS

4.1 POTENTIAL IMPACTS

The development has the potential to adversely impact valuable ecological features and some of these impacts may also constitute legal offences. The broad impacts include:

- Direct harm of animal species
- Disturbance of animal species
- Loss and degradation of valuable habitats
- Loss and degradation of habitats that support protected/priority species.

Impacts can be adequately addressed at this stage and therefore a range of good practice avoidance, mitigation and compensation measures are recommended below.

4.2 FURTHER SURVEY AND ASSESSMENT

No further surveys are necessary to inform the assessment of the potential ecological impacts of the development. A range of good practice avoidance, mitigation and compensation measures are recommended to address ecological impacts and reduce the likelihood of legal offences.

4.3 AVOIDANCE

The following measures should be incorporated into the design of the development, including the construction phase, to avoid and reduce impacts on wildlife:

- Construction Ecological Management Plan (CEcMP) to be produced, to avoid harm to ecological features and species during Site clearance and construction, with a focus on hedgehog.
- Avoid site clearance works during the nesting bird season (March to August inclusive) unless
 the Site is checked by a Suitably Qualified Ecologist (SQE) and active nests are confirmed to be
 absent no later than 48 hours before works commence.
- All construction activities will be programmed to daytime hours to reduce disturbance to sensitive nocturnal species, such as bats and roosting bird species.
- The cotoneaster will be removed by a suitably licenced contractor to ensure legal compliance.

4.4 MITIGATION

Mitigation is proposed to reduce the impacts on wildlife that cannot be avoided through design:



- Internal and external lighting will be designed in line with BCT guidance⁶ to reduce impacts on bats and a range of other wildlife.
- Gaps of at least 13cm x 13cm will be created within boundaries to facilitate movement of hedgehogs and other small animals through the Site.

4.5 COMPENSATION/ENHANCEMENT

Compensation is proposed to address the impacts on habitats which cannot be avoided or mitigated:

- The incorporation of opportunities for roosting bats and nesting birds within the development (Appendix I), pole mounted.
- Landscape planting to compensate for any tree/shrub loss shall include species native to the
 local area and pollinator species. Where possible, any planting should include blackthorn
 Prunus spinosa, to provide greater breeding and foraging resource to brown hairstreak
 butterfly.

⁶ Bat Conservation Trust (2023) Guidance Note 08/23: Bats and artificial lighting in the UK



APPENDICES

APPENDIX A - UKHAB MAP



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APPENDIX B. 1 - TARGET NOTES MAP



Image reproduced from Google Satellite

16 m



APPENDIX B.2 - TARGET NOTES

TARGET NOTE	DESCRIPTION	РНОТО
1	Blackbird <i>Turdus</i> merula calling and commuting through scrub	
2	4x red admiral butterflies Vanessa atalanta feeding within hedgerow	
3	Red admiral butterfly commute across carpark	
4	Magpie <i>Pica pica</i> forage and commute across Site	
5	Late cotoneaster (Invasive but not schedule 9) within Introduced Shrub	

TARGET NOTE	DESCRIPTION	РНОТО
6	Late cotoneaster and small leaved cotoneaster (Schedule 9)	
7	Carrion crow Corvus corone within storage area calling and foraging	

APPENDIX C - SPECIES LISTS FOR HABITATS

MODIFIED GRASSLAND

COMMON NAME	SCIENTIFIC NAME
Ribwort Plantain	Plantago lanceolata
Perennial Rye-grass	Lolium perenne
Dove's-foot Crane's-bill	Geranium molle
Dandelion	Taraxacum sp.
Creeping Buttercup	Ranunculus repens
Creeping Cinquefoil	Potentilla reptans
White Clover	Trifolium repens
Daisy	Bellis perennis
Cat's-ear	Hypochaeris radicata
Cock's-foot	Dactylis glomerata
Fox glove	Digitalis purpurea
Yorkshire Fog	Holcus lanatus

LINE OF TREES

COMMON NAME	SCIENTIFIC NAME
Beech	Fagus sylvatica
Wild Cherry	Prunus avium
Lawson cypress	Chamaecyparis lawsoniana
Ash	Fraxinus excelsior
Hawthorn	Crataegus monogyna

NATIVE HEDEGROW

COMMON NAME	SCIENTIFIC NAME
Hawthorn	Crataegus monogyna

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19 NOVEMBER 2025 | FOR: LIDL GB

COMMON NAME	SCIENTIFIC NAME
Blackthorn	Prunus spinosa
Ribwort Plantain	Plantago lanceolata
Bramble	Rubus fruticosus agg.
Dandelion sp.	Taraxacum sp.
Common Ivy	Hedera helix

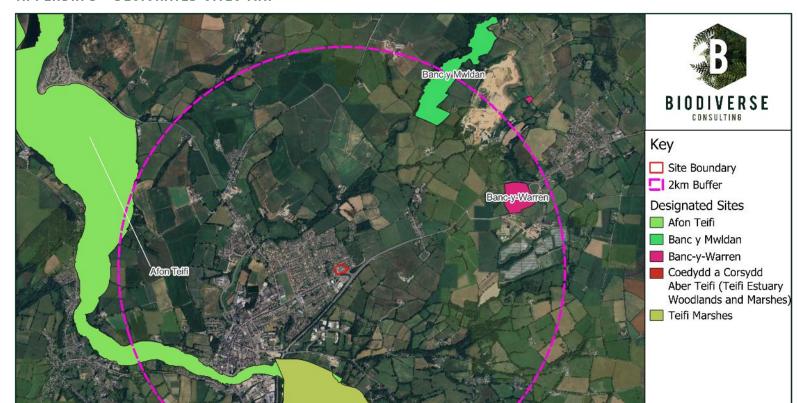
MIXED SCRUB

COMMON NAME	SCIENTIFIC NAME
Hawthorn	Crataegus monogyna
Blackthorn	Prunus spinosa
Hazel	Corylus avellana
Bramble	Rubus fruticosus agg.
Late cotoneaster	Cotoneaster lacteus

INTRODUCED SHRUB

COMMON NAME	SCIENTIFIC NAME
Daisy bush	Brachyglottis greyi
Dog wood	Cornus sanguinea
Blackthorn	Prunus spinosa
Late cotoneaster	Cotoneaster lacteus
Small-leaved cotoneaster	Cotoneaster microphyllus
Bramble	Rubus fruticosus agg.
Fushia	Fuchsia Sp.
Hawthorn	Crataegus monogyna
Rowan	Sorbus aucuparia

APPENDIX D -DESIGNATED SITES MAP



dd a Corsydd Aber Teifi (Teifi Estuany Woodlands and Marshes

Teifi Marshes



Figure Name: Designated Sites Project Name: Lidl - Aberystwyth

Project Reference: BioC25-257

Date: 10/11/2025 Author: Zak Mitchell Image reproduced from Google

0 300 600 m

Satellite

APPENDIX E - PRIORITY HABITATS MAP

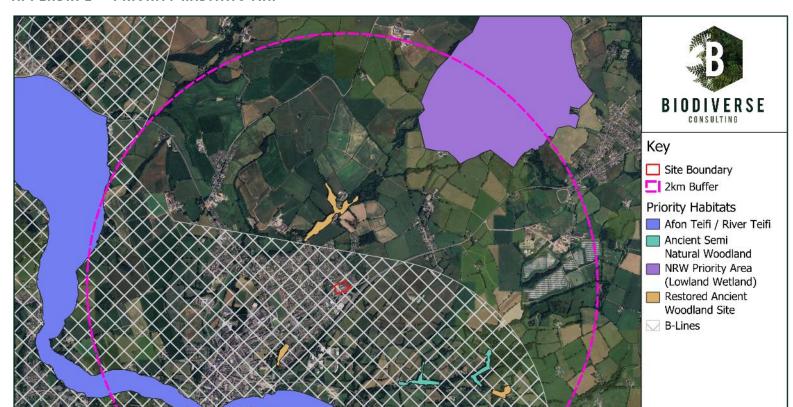




Figure Name: Priority Habitats Project Name: Lidl - Aberystwyth

Project Reference: BioC25-257 Date: 10/11/2025

300 600 m

Author: Zak Mitchell
Image reproduced from Google

Satellite

APPENDIX F - POLICY AND LEGISLATION

The Wildlife and Countryside Act 1981

The Wildlife and Countryside Act 19817, as amended by the Countryside and Rights of Way Act (CRoW) 2000⁸ and the Natural Environment and Rural Communities Act (NERC) 2006⁹, is the main legislation that protects wildlife in Great Britain and is the mechanism for defining and protecting nationally important Sites of Special Scientific Interest (SSSI). The legislation makes it offence to:

- Intentionally kill, injure or take any wild bird or their eggs or nests (with certain exceptions) and disturb any bird species listed under Schedule 1 to the Act, or its dependent young while it is nesting;
- Intentionally kill, injure or take any wild animal listed under Schedule 5 to the Act; intentionally or recklessly damage, destroy or obstruct any place used for shelter or protection by any wild animal listed under Schedule 5 to the Act; intentionally or recklessly disturb certain Schedule 5 animal species while they occupy a place used for shelter or protection; and
- Pick or uproot any wild plant listed under Schedule 8 of the Act. Schedule 9, Part II of the Act also lists many species for which it is an offence to plant, or otherwise cause to grow, in the wild. Any material containing Japanese knotweed is also identified as controlled waste under the Environmental Protection Act 1990¹⁰ and must be disposed of properly at licenced landfill according to the Environmental Protection Act (Duty of Care) Regulations 1991¹¹.

The Conservation of Habitats and Species Regulations 2017

The Conservation of Habitats and Species a Regulations 2017¹² (the 'Habitat Regulations'), as amended by The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019¹³, establish the requirements for protecting sites that are internationally important for threatened habitats and species – the National Site Network – and thus the requirement for a 'Habitat Regulations Assessment' of plans or developments with potential to affect them.

https://www.legislation.gov.uk/ukpga/2000/37/contents

https://www.legislation.gov.uk/ukpga/2006/16/contents

https://www.legislation.gov.uk/ukpga/1990/43/contents

⁷ Wildlife and Countryside Act 1981. Available from: https://www.legislation.gov.uk/ukpga/1981/69

⁸ The Countryside and Rights of Way Act 2000. Available from:

⁹ Natural Environment and Rural Communities Act 2006. Available from:

¹⁰ The Environmental Protection Act 1990. Available from:

¹¹ The Environmental Protection Act (Duty of Care) Regulations 1991. Available from: https://www.legislation.gov.uk/uksi/1991/2839/made

¹² The Conservation of Habitats and Species Regulations 2017. Available from: https://www.legislation.gov.uk/uksi/2017/1012/contents/made

¹³ The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019 Available from: https://www.legislation.gov.uk/ukdsi/2019/9780111179512/contents

The Habitat Regulations also establish the strict protection of some species — European Protected Species — and make it an offence to deliberately capture, kill or disturb certain wild animals, and to damage or destroy a breeding site or resting place of such an animal even if the animal is not present at the time.

Natural Environment & Rural Communities (NERC) Act 2006

The NERC Act 2006⁹ places a duty on local planning authorities to have due regard for biodiversity and nature conservation during their operations, and thus ensures that biodiversity is a key consideration in the planning process. The Act also establishes a list of species and habitats of principal importance ('Priority' Species and Habitats) for the conservation of biodiversity.

The Environment (Wales) Act 2021¹⁴

The Environment Act 2021 provides a framework for environmental protection in the UK. It is a wide-ranging piece of legislation affecting many aspects of the natural environment, including biodiversity. The act sets clear targets to halt the decline in wildlife populations through a legally binding target for species abundance by 2030 and a requirement to increase species populations by 10% by 2042.

Ramsar Convention

The Convention on Wetlands of International Importance especially as Waterfowl Habitat (the 'Ramsar Convention'¹⁵) provides the only international mechanism for protecting internationally important wetlands; such sites are designated as Ramsar sites. It is government policy that Ramsar sites are afforded the same level of protection as sites in the National Site Network and so they are also subject to HRA.

Protection of Badgers Act 1992

Badgers receive strict protection under the Protection of Badgers Act 1992¹⁶, which prohibits the taking, injuring, selling, possessing or killing of badgers and makes it an offence to ill-treat any badger, damage, destroy, disturb or cause a dog to enter a badger sett.

The Hedgerow Regulations 1997

The Hedgerow Regulations 1997¹⁷ establishes the legal protection of important countryside hedgerows, principally ancient and species-rich hedgerows. The Hedgerow Regulations also

¹⁴ The Environment Act 2021. Available from: https://www.legislation.gov.uk/ukpga/2021/30/contents/enacted

¹⁵ The Ramsar Convention https://www.ramsar.org/

¹⁶ Protection of Badgers Act 1992. Available from: https://www.legislation.gov.uk/ukpga/1992/51/contents

¹⁷ The Hedgerow Regulations 1997. Available from:

provide arrangements for planning authorities to protect important hedgerows in the countryside by controlling their removal through a system of notification.

Planning Policy Wales

Planning Policy Wales¹⁸ sets out the Welsh Government's requirement for the planning system in Wales and in doing so establishes the framework within which local planning authorities can develop their own planning policies.

Biodiversity Action Plans

The UK Biodiversity Action Plan (UK BAP) was developed to fulfil the Rio Convention on Biological Diversity in 1992, to which the UK is a signatory. The UK Post-2010 Biodiversity Framework'¹⁹ succeeded the UKBAP and expired in 2019, but the UKBAP priority species and habitats are retained through the NERC Act 2006. Regional and local BAPs have also been developed for species/habitats of nature conservation importance at regional and local levels.

¹⁸ Planning Policy Wales 2021 (edition 11). Available from:

 $[\]frac{\text{https://www.gov.wales/sites/default/files/publications/2021-02/planning-policy-wales-edition-11_0.pdf}{\text{19 UK Post-2010 Biodiversity Framework. Available from: } \frac{\text{https://hub.jncc.gov.uk/assets/587024ff-864f-4d1d-a669-f38cb448abdc}}{\text{https://hub.jncc.gov.uk/assets/587024ff-864f-4d1d-a669-f38cb448abdc}}}$

APPENDIX G - VALUE OF ECOLOGICAL FEATURES

VALUE	EXAMPLES
International	 An internationally designated site or candidate site (SPA, pSPA, SAC, cSAC, pSAC, Ramsar site) or an area which meets the designation criteria for such sites. Internationally significant and viable areas of a habitat type listed in Annexe 1 of the Habitats Directive, or smaller areas of such habitat, which are essential to maintain the viability of a larger whole. Any regularly occurring, globally threatened species. A regularly occurring population of an internationally important species, which is threatened or rare in the UK, of uncertain conservation status A regularly occurring, nationally significant population/number of any internationally important species.
National	 A nationally designated site (e.g. SSSI, NNR) or a discrete area which meets the published selection criteria for national designation (e.g. SSSI selection guidelines) irrespective of whether or not it has yet been notified. A viable area of a UK BAP priority habitat, or smaller areas of such habitat which are essential to maintain the viability of a larger whole. A regularly occurring significant number/population of a nationally important species e.g. listed on the Wildlife and Countryside Act 1981 (as amended). A regularly occurring population of a nationally important species that is threatened or rare in the county or region. A feature identified as being of critical importance in the UK BAP.
Regional / County	 Viable areas of key habitat identified in the Regional or County BAP or smaller areas of such a habitat, which are essential to maintain the viability of the larger whole. Regional/county significant and viable areas of key habitat identified as being of regional value. A regularly occurring significant population/number of any important species important at a regional/county level. Any regularly occurring, locally significant population of a species which is listed in a Regional/County Red Data Book or BAP on account of its regional rarity or localisation. Sites of conservation importance that exceed the district selection criteria but that fall short of SSSI selection guidelines.
City/District/ Borough	 Areas of habitat identified in a District/City/Borough BAP or in the relevant Natural Area profile. Sites that the designating authority has determined meet the published ecological selection criteria for designation, including Local Nature Reserves selected on District/City/Borough ecological criteria. Sites/features that are scarce within the District/City/Borough or which appreciably enrich the District/City/Borough habitat resource. A diverse and/or ecologically valuable hedgerow network.

VALUE	EXAMPLES
	 A population of a species that is listed in a District/City/Borough BAP because of its rarity in the locality or in the relevant Natural Area profile because of its regional rarity or localisation. A regularly occurring, locally significant number of a District/City/Borough important species during key phases of its life cycle.
Parish	• A feature considered scarce within a Parish or which appreciably enriches the Parish resource.
Local	 Areas identified in a Local BAP or the relevant natural area profile. Sites/features which area scarce in the locality or which are considered to appreciably enrich the habitat resource within the local context, e.g. species-rich hedgerows. Local Nature Reserves selected on Parish/Local ecological criteria. Significant numbers/population of a locally important species <u>e.g.</u> one which is listed on the Local BAP. Any species, populations or habitats of local importance.
Low	 Habitats of moderate to low diversity which support a range of locally and nationally common species, the loss of which can be easily mitigated.

APPENDIX H - LOCAL RECORDS SEARCH

COMMON NAME	SCIENTIFIC NAME	NO. RECORDS	CLOSEST RECORD (M)	DATE OF MOST Recent record
BIRDS				
Red Kite	Milvus milvus	23	264	26/06/2024
Skylark	Alauda arvensis	7	450	01/01/2024
Kingfisher	Alcedo atthis	32	450	09/11/2024
Teal	Anas crecca	28	450	09/11/2024
Meadow Pipit	Anthus pratensis	8	450	01/01/2024
Sooty Shearwater	Ardenna grisea	1	450	21/08/2016
Canada Goose	Branta canadensis	27	450	20/10/2024
Black-headed Gull	Chroicocephalus ridibundus	27	450	20/10/2024
Puffin	Fratercula arctica	1	450	21/08/2016
Fulmar	Fulmarus glacialis	2	450	18/08/2017
Snipe	Gallinago gallinago	14	450	09/11/2024
Mediterranean Gull	Ichthyaetus melanocephalus	9	450	26/03/2024
Herring Gull	Larus argentatus	30	450	28/12/2024
Lesser Black-backed Gull	Larus fuscus	23	450	20/10/2024
Gannet	Morus bassanus	3	450	02/07/2022
Grey Wagtail	Motacilla cinerea	16	450	01/01/2024
Cormorant	Phalacrocorax carbo	23	450	28/12/2024
Golden Plover	Pluvialis apricaria	6	450	01/01/2023
Manx Shearwater	Puffinus puffinus	2	450	01/01/2017
Whinchat	Saxicola rubetra	4	450	04/09/2024
Arctic Skua	Stercorarius parasiticus	2	450	01/01/2019
Pomarine Skua	Stercorarius pomarinus	2	450	01/01/2018
Redshank	Tringa totanus	15	639	21/03/2024
House Sparrow	Passer domesticus	26	661	19/04/2024
Mallard	Anas platyrhynchos	38	785	20/10/2024

Limosa limosa	19	785	09/11/2024
Numenius arquata	32	785	29/12/2024
Pyrrhula pyrrhula	22	785	26/12/2024
Sturnus vulgaris	12	785	01/01/2024
Turdus iliacus	10	785	01/01/2024
Turdus philomelos	22	785	08/05/2024
Turdus pilaris	8	785	16/01/2024
Turdus viscivorus	12	785	08/05/2024
Chloris chloris	5	787	01/01/2024
Hirundo rustica	24	787	17/06/2024
Phylloscopus trochilus	10	787	21/03/2024
Prunella modularis	25	787	03/11/2024
Regulus regulus	15	787	26/06/2024
Bucephala clangula	14	1021	09/11/2024
Curruca communis	11	1068	08/05/2024
Riparia riparia	13	1068	17/06/2024
Ardea purpurea	4	1109	21/04/2024
Arenaria interpres	5	1109	17/06/2024
Calidris maritima	2	1109	17/06/2024
Larus cachinnans	2	1109	26/03/2024
Larus michahellis	5	1109	26/03/2024
Motacilla flava	3	1109	20/04/2024
Plectrophenax nivalis	1	1109	26/03/2024
Actitis hypoleucos	16	1144	28/12/2024
Circus aeruginosus	7	1156	09/11/2024
Cettia cetti	10	1164	30/05/2024
Larus marinus	16	1164	20/10/2024
Anas platyrhynchos platyrhynchos	1	1295	09/11/2024
Lymnocryptes minimus	4	1299	07/01/2024
Podiceps grisegena	3	1314	11/09/2018
	Numenius arquata Pyrrhula pyrrhula Sturnus vulgaris Turdus iliacus Turdus philomelos Turdus pilaris Turdus viscivorus Chloris chloris Hirundo rustica Phylloscopus trochilus Prunella modularis Regulus regulus Bucephala clangula Curruca communis Riparia riparia Ardea purpurea Arenaria interpres Calidris maritima Larus cachinnans Larus michahellis Motacilla flava Plectrophenax nivalis Actitis hypoleucos Circus aeruginosus Cettia cetti Larus marinus Anas platyrhynchos	Numenius arquata 32 Pyrrhula pyrrhula 22 Sturnus vulgaris 12 Turdus iliacus 10 Turdus philomelos 22 Turdus pilaris 8 Turdus viscivorus 12 Chloris chloris 5 Hirundo rustica 24 Phylloscopus trochilus 10 Prunella modularis 25 Regulus regulus 15 Bucephala clangula 14 Curruca communis 11 Riparia riparia 13 Ardea purpurea 4 Arenaria interpres 5 Calidris maritima 2 Larus cachinnans 2 Larus michahellis 5 Motacilla flava 3 Plectrophenax nivalis 1 Actitis hypoleucos 16 Circus aeruginosus 7 Cettia cetti 10 Larus marinus 16 Anas platyrhynchos platyrhynchos platyrhynchos lymnocryptes minimus 4	Numenius arquata 32 785 Pyrrhula pyrrhula 22 785 Sturnus vulgaris 12 785 Turdus iliacus 10 785 Turdus philomelos 22 785 Turdus pilaris 8 785 Turdus viscivorus 12 785 Chloris chloris 5 787 Hirundo rustica 24 787 Phylloscopus trochilus 10 787 Prunella modularis 25 787 Regulus regulus 15 787 Bucephala clangula 14 1021 Curruca communis 11 1068 Riparia riparia 13 1068 Ardea purpurea 4 1109 Arenaria interpres 5 1109 Calidris maritima 2 1109 Larus cachinnans 2 1109 Larus michahellis 5 1109 Motacilla flava 3 1109 Actitis hypoleucos 16

Long-tailed Tit	Aegithalos caudatus	18	1331	30/05/2024
Swift	Apus apus	14	1331	06/05/2024
Red-breasted Merganser	Mergus serrator	6	1331	01/01/2024
Whimbrel	Numenius phaeopus	11	1331	01/01/2024
Shelduck	Tadorna tadorna	19	1331	11/06/2024
Pintail	Anas acuta	7	1336	08/01/2024
Barnacle Goose	Branta leucopsis	6	1336	01/01/2024
Dipper	Cinclus cinclus	4	1336	03/03/2023
Shag	Gulosus aristotelis	3	1336	01/01/2024
Oystercatcher	Haematopus ostralegus	11	1336	01/01/2024
Common Gull	Larus canus	11	1336	01/01/2024
Wigeon	Mareca penelope	12	1336	01/01/2024
Lapwing	Vanellus vanellus	13	1336	01/01/2024
Grey Heron	Ardea cinerea	25	1345	26/06/2024
Reed Bunting	Emberiza schoeniclus	14	1345	08/05/2024
Coot	Fulica atra	8	1345	01/01/2024
Grasshopper Warbler	Locustella naevia	7	1345	19/04/2024
Red-crested Pochard	Netta rufina	1	1345	20/05/2019
Shoveler	Spatula clypeata	8	1345	20/03/2024
Common Tern	Sterna hirundo	6	1345	01/01/2023
Greenshank	Tringa nebularia	9	1345	01/01/2024
Mandarin Duck	Aix galericulata	4	1369	27/10/2024
Pochard	Aythya ferina	3	1369	19/03/2024
Tufted Duck	Aythya fuligula	6	1369	01/01/2024
Dunlin	Calidris alpina	10	1369	11/01/2024
Knot	Calidris canutus	5	1369	01/01/2024
Ringed Plover	Charadrius hiaticula	7	1369	08/08/2024
Whooper Swan	Cygnus cygnus	7	1369	21/10/2024
Merlin	Falco columbarius	4	1369	15/01/2024
Peregrine	Falco peregrinus	7	1369	17/06/2024

Hobby	Falco subbuteo	2	1369	01/01/2022
Kestrel	Falco tinnunculus	5	1369	01/01/2024
Pied Flycatcher	Ficedula hypoleuca	3	1369	04/04/2017
Great Northern Diver	Gavia immer	3	1369	09/12/2024
Bar-tailed Godwit	Limosa lapponica	7	1369	01/01/2024
Linnet	Linaria cannabina	8	1369	01/01/2024
Bluethroat	Luscinia svecica	2	1369	31/08/2017
Osprey	Pandion haliaetus	7	1369	01/01/2024
Redstart	Phoenicurus phoenicurus	2	1369	01/01/2024
Willow Tit	Poecile montanus	5	1369	01/01/2023
Marsh Tit	Poecile palustris	5	1369	01/01/2024
Firecrest	Regulus ignicapilla	4	1369	01/01/2024
Woodcock	Scolopax rusticola	6	1369	01/01/2023
Green Sandpiper	Tringa ochropus	5	1369	01/01/2024
Lesser Redpoll	Acanthis cabaret	4	1373	01/01/2024
Goshawk	Accipiter gentilis	3	1373	01/10/2022
Bar-headed Goose	Anser indicus	4	1373	29/08/2020
Scaup	Aythya marila	3	1373	16/12/2018
Bittern	Botaurus stellaris	1	1373	01/01/2020
Sanderling	Calidris alba	5	1373	01/01/2024
a bird	Cettia cetti cetti	1	1373	29/12/2023
Little Ringed Plover	Charadrius dubius	2	1373	01/01/2023
Hen Harrier	Circus cyaneus	1	1373	01/01/2023
Cuckoo	Cuculus canorus	3	1373	01/01/2022
Black Swan	Cygnus atratus	4	1373	07/11/2019
Brambling	Fringilla montifringilla	4	1373	01/01/2021
Wryneck	Jynx torquilla	1	1373	01/01/2023
a bird	Larus argentatus argentatus	8	1373	01/01/2024
Common Scoter	Melanitta nigra	2	1373	01/01/2019
Smew	Mergellus albellus	2	1373	02/03/2021

Spotted Flycatcher	Muscicapa striata	2	1373	01/01/2022
Wheatear	Oenanthe oenanthe	4	1373	01/01/2023
Bearded Tit	Panurus biarmicus	1	1373	01/01/2023
Red-necked Phalarope	Phalaropus lobatus	1	1373	08/06/2019
Green Woodpecker	Picus viridis	1	1373	31/01/2016
Spoonbill	Platalea leucorodia	2	1373	01/01/2019
Slavonian Grebe	Podiceps auritus	2	1373	01/01/2016
Spotted Crake	Porzana porzana	3	1373	01/01/2019
Garganey	Spatula querquedula	4	1373	10/04/2023
Arctic Tern	Sterna paradisaea	3	1373	01/01/2021
Turtle Dove	Streptopelia turtur	1	1373	01/01/2019
Sandwich Tern	Thalasseus sandvicensis	6	1373	01/01/2024
Wood Sandpiper	Tringa glareola	1	1373	01/01/2021
Barn Owl	Tyto alba	4	1373	01/01/2023
Ноорое	Upupa epops	1	1373	01/01/2020
Greenland White- fronted Goose	Anser albifrons flavirostris	1	1450	01/01/2019
Curlew Sandpiper	Calidris ferruginea	3	1450	01/01/2023
Ruff	Calidris pugnax	2	1450	01/01/2018
Black-throated Diver	Gavia arctica	1	1450	01/01/2018
Red-throated Diver	Gavia stellata	2	1450	01/01/2023
Leach's Petrel	Hydrobates leucorhous	1	1450	01/01/2019
Little Gull	Hydrocoloeus minutus	2	1450	01/01/2018
Black Redstart	Phoenicurus ochruros	1	1450	01/01/2018
Grey Plover	Pluvialis squatarola	6	1450	01/01/2023
Eider	Somateria mollissima	1	1450	01/01/2019
Little Tern	Sternula albifrons	1	1450	01/01/2017
REPTILES AND AMPHI	BIANS			
Slow-worm	Anguis fragilis	12	259	20/04/2024
Common Toad	Bufo bufo	4	442	27/03/2024
Wall Lizard	Podarcis muralis	1	1269	18/08/2024
Common Lizard	Zootoca vivipara	7	1300	01/01/2021

Grass Snake	Natrix helvetica	8	1373	23/03/2025
Palmate Newt	Lissotriton helveticus	1	1662	29/06/2016
INVETEBRATES				
Brown hairstreak butterfly	Thecla betulae	306	668	28/11/2024
Small square-spot moth	Diarsia rubi	1	786	18/08/2016
White-letter hairstreak buterfly	Satyrium w-album	1	885	01/01/2023
Harlequin Ladybird	Harmonia axyridis	4	1020	02/09/2023
Black Oil beetle	Meloe proscarabaeus	4	1100	01/04/2024
Garden tiger moth	Arctia caja	6	1118	17/07/2023
Lackey moth	Malacosoma neustria	6	1118	01/01/2019
Shaded broad-bar moth	Scotopteryx chenopodiata	5	1216	20/07/2023
Cinnabar moth	Tyria jacobaeae	11	1216	18/08/2024
Small phoenix moth	Ecliptopera silaceata	3	1574	17/07/2023
August thorn moth	Ennomos quercinaria	2	1574	17/07/2023
Blood-vein moth	Timandra comae	3	1574	01/01/2021
Oak hook-tip moth	Watsonalla binaria	1	1574	01/01/2021
Knot grass moth	Acronicta rumicis	1	1600	19/06/2015
Pied grey moth	Eudonia delunella	1	1600	19/06/2015
Dot moth	Melanchra persicariae	1	1600	19/06/2015
White ermine moth	Spilosoma lubricipeda	3	1600	01/01/2018

Buff ermine moth	Spilosoma lutea	3	1600	20/06/2018			
Wall butterfly	Lasiommata megera	1	1798	17/08/2021			
Dusky brocade moth	Apamea remissa	1	1809	19/06/2015			
MAMMALS							
Hedgehog	Erinaceus europaeus	7	101	22/10/2023			
Noctule	Nyctalus noctula	6	629	01/01/2024			
Common Pipistrelle	Pipistrellus pipistrellus	17	629	28/08/2024			
Soprano Pipistrelle	Pipistrellus pygmaeus	14	629	28/08/2024			
Badger	Meles meles	4	655	04/09/2023			
Myotis Bat species	Myotis sp.	3	1033	28/06/2021			
Brown Long-eared Bat	Plecotus auritus	5	1033	28/08/2024			
Otter	Lutra lutra	14	1133	18/12/2024			
Pipistrelle Bat species	Pipistrelle	1	1225	28/08/2018			
Greater Horseshoe Bat	Rhinolophus ferrumequinum	4	1336	14/02/2024			
Grey Squirrel	Sciurus carolinensis	4	1610	27/09/2022			
Sika Deer	Cervus nippon	1	1628	07/01/2024			
Daubenton's Bat	Myotis daubentonii	1	1641	10/09/2021			
Pipistrelle Bat species	Pipistrellus	2	1698	07/12/2019			

Leisler's Bat	Nyctalus leisleri	1	1833	28/06/2021
Long-eared Bat species	Plecotus	1	1833	28/06/2021

APPENDIX I - BAT AND BIRD BOX SPECIFICATIONS

BIRD BOX SPECIFICATION

Woodcrete Schwegler 32mm or similar



Dimensions:

Height: 26 cmWidth: 17 cmDepth: 18 cmWeight: 3.6 kg

Description: Simple to install, inspect and clean. Schwegler nestboxes are famous for their durability. They will last 20-25 years. Made from patented wood-concrete material consisting of 75% wood, which provides insultation and aids ventilation. The 32mm entry hole nest box may attract tits, sparrows, redstarts, and nuthatches.

Placement will consider the following:

- The nesting features will be positioned at a north-eastern aspect.
- The nesting features will be positioned over 4m from the ground.
- Nesting features will be sheltered from strong winds and heavy rain.
- It is advised that nest boxes are cleaned annually with existing materials emptied if they have been used. This maintenance should take place outside of the breeding bird season to avoid disturbing an active nest.

BAT BOX SPECIFICATION

Schwegler 2F-DFP or similar

Dimensions



Height: 33 cmWidth: 16 cmWeight: 4.1 kg

Description: An excellent general-purpose bat box, the Schwegler 2F-DFP Bat Box is suitable for summer use by a wide variety of species (and particularly liked by pipistrelles). Being made of woodcrete the box will last for years and provide a stable environment inside.

Placement will consider the following:

- Attach to a tree using the aluminium nail (included) or hung from a branch.
- The bat boxes should be positioned 4 m from the ground.
- South-easterly to south-westerly direction.
- Can be grouped together at different orientations to provide multiple options.
- Branches should be cleared under the boxes for access.
- Sheltered from wind and rain.



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