Appendix A

RELEVANT LEGISLATION AND PLANNING POLICY





ENGLAND & WALES LEGISLATION AND POLICY CONTEXT

This report has been compiled with reference to relevant wildlife legislation, planning policy and the UK Biodiversity Framework. An overview and context of relevant legislation is provided, with the relevant protection each species groups or species receives summarised in Table A-1.

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

Protected birds, animals and plants are listed under Schedules 1, 5, 8 respectively of the WCA, while Schedule 9 lists non-native and/or invasive species the spread of which in the wild is prohibited by the WCA. A description of these Schedules and their meaning is provided below.

Under the WCA (England and Wales) all birds, their nests and eggs (with exception of species listed under Schedule 2) are protected by the WCA. It is an offence to:

- Intentionally kill, injure, or take any wild bird;
- Take or destroy an egg of any wild bird; and
- Damage or destroy the nest of any wild bird (whilst being built, or in use). Under the WCA the clearance of vegetation within the Site boundary, or immediately adjacent to the Site during the bird nesting season could result in an offence occurring by the disruption or destruction of nest sites. The bird breeding season can be taken to occur between March August inclusive, although is subject to variations based on species, geographical and seasonal factors.

Schedule 1

Birds listed under Schedule 1 of the WCA⁶ are afforded additional protection with regard to intentional or reckless disturbance whilst nest-building, or at a nest containing eggs or young, or disturb the dependent young of such a bird.

Schedule 5

Species listed in Schedule 5 can either be fully protected or be partially protected under Section 9, which makes it unlawful to intentionally:

- Part 1: kill, injure or take;
- Part 2: possess or control (live or dead animal, part or derivative);

To view the current list of Schedule 1 listed birds visit: http://www.legislation.gov.uk/ukpga/1981/69/schedule/1 [Accessed 30/09/22].



- Part 4 (a): damage or destruct any structure used for shelter or protection;
- Part 4 (b): disturb them in a place of shelter or protection;
- Part 4 (c): obstruct access to place of shelter or protection;
- Part 5 (a): sell, offer for sale, possess or transport for the purpose of sale (live or dead animal, part or derivative); and
- Part 5 (b): advertise for buying or selling.

Schedule 8

The Act makes it an offence (subject to exceptions) to pick, uproot, trade in, or possess (for the purposes of trade) any wild plant listed in Schedule 8, and prohibits the unauthorised intentional uprooting of such plants.

Schedule 9

Invasive species listed under Schedule 9 are prohibited from release into the wild and the Act prohibits planting or "causing to grow" in the wild of any plant species listed in Schedule 9. It should be noted that certain bird species listed on Schedule 1 of the WCA are also listed on Schedule 9 to prevent release of non-native and captive individuals, this includes barn owl, red kite, goshawk and corncrake.

Countryside Rights of Way Act 2000 (CRoW Act)

The CRoW Act has amended the WCA in England and Wales strengthening the protection afforded to Sites of Special Scientific Interest (SSSI) and the legal protection for threatened species. It adds the word 'reckless' to the wording of the offences listed under Section 9(4) of the WCA. This alteration makes it an offence to recklessly commit an offence, where previously an offence had to be intentional to result in a breach of legislation.

Natural Environment and Rural Communities (NERC) Act 2006

Species and Habitats of Principal Importance in England and Wales are listed under Section 41 and Section 42 respectively of the NERC Act. The Section 41 and 42 lists detail species that are of principal importance for the conservation of biodiversity in England and Wales, and should be used to guide decision-makers such as local and regional authorities when implementing their duty to have regard for the conservation of biodiversity in the exercise of their normal functions – as required under Section 40 of the NERC Act 2006.



The Environment (Wales) Act 2016

The Environment (Wales) Act 2016 (http://www.legislation.gov.uk/anaw/2016/3/contents/enacted) puts in place the legislation needed to plan and manage Wales' natural resources in a more proactive, sustainable and cohesive way. Section 7 replaces the duty in Section 42 of the NERC Act 2006 and it places a duty on the Welsh Ministers to publish, review and revise lists of living organisms and types of habitats which they consider are of key significance to sustain and improve biodiversity in Wales. The species and habitat lists are identical to those in Section 42 but it should be noted it is currently under review (23.03.2017).

The Protection of Badgers Act (1992)

It is an offence to wilfully take, kill, injure, possess or ill-treat a badger. Under the Act their setts are protected against intentional or reckless interference. Sett interference includes damaging or destroying a sett, obstructing access to any part of the sett, or disturbance of a badger whilst it is occupying a sett. The Act defines a badger sett as 'any structure or place, which displays signs indicating the current use by a badger' and Natural England (NE) takes this definition to include seasonally used setts that are not occupied but that show sign of recent use by badgers (Natural England, 2009⁷).

If impacts to badgers or their setts are unavoidable then authorised sett disturbance requires a licence.

The UK Post-2010 Biodiversity Framework (2011-2020) (JNCC and DEFRA, 2012)

This Framework lists the UK's most threatened species and habitats and sets out targets and objectives for their management and recovery. The UK Biodiversity Action Plan (BAP) process is delivered nationally, regionally and locally and should be used as a guide for decision-makers to have regards for the targets set by the framework and the goals they aim to achieve. The UK BAP has now been replaced by the UK Post-2010 Biodiversity Framework, however, it contains useful information on how to characterise important species assemblages and habitats which is still relevant (UK Post-2010 Biodiversity Framework, 2012⁸).

Natural England, June 2009, Protection of Badgers Act 1992 (as amended), Guidance on 'Current Use' in the definition of a Badger Sett WMLG17, Natural England, Peterborough.

JNCC and Defra (on behalf of the Four Countries' Biodiversity Group), July 2012, UK Post-2010 Biodiversity Framework, Available from: http://incc.defra.gov.uk/pdf/UK Post2010 Bio-Fwork.pdf [Accessed 29/09/22].



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

The Conservation of Habitats and Species Regulations 2017 (as amended) consolidate the Conservation of Habitats and Species Regulations 2010 with subsequent amendments. The Regulations transpose Council Directive 92/43/EEC, on the conservation of natural habitats and of wild fauna and flora (EC Habitats Directive), into national law. They also transpose elements of the EU Wild Birds Directive in England and Wales. The Regulations came into force on 30th November 2017, and extend to England and Wales (including the adjacent territorial sea) and to a limited extent in Scotland (reserved matters) and Northern Ireland (excepted matters). In Scotland, the Habitats Directive is transposed through a combination of the Habitats Regulations 2010 (in relation to reserved matters) and the Conservation (Natural Habitats &c.) Regulations 1994. The Conservation (Natural Habitats, &c) Regulations (Northern Ireland) 1995 (as amended) transpose the Habitats Directive in relation to Northern Ireland.

All species listed under Annex IV of the Habitats Directive require strict protection and are known as European Protected Species (EPS). Under Regulation 42 of the Habitats Regulations it is unlawful to:

- Deliberately kill, capture or disturb;
- Deliberately take or destroy the eggs of; and
- Damage or destroy the breeding site/resting place of any species protected under this legislation.

If the Ecologist determines that impacts to an EPS are unavoidable then the works may need to be carried out under a site specific mitigation licence from Natural England (NE) or Natural Resources Wales (NRW). Low Impact Class licences are also available in both England and Wales for bats and great crested newts. This enables Registered Low Impact Consultants to undertake certain low impact activities reducing the EPS application paperwork and process length.

Certain EPS are also listed under Annex II of the Habitats Directive and are afforded protection by the establishment of core areas of habitat known as Special Areas of Conservation. This means these species are a relevant consideration in a Habitats Regulations Assessment (HRA).

The Birds Directive seeks to maintain populations of all wild bird species across their natural range (Article 2). All bird species listed under Annex I⁹ of the Birds Directive are rare or vulnerable and afforded protection by the classification of Special Protection Areas (SPAs), these are also designated under all regularly occurring migratory species, with regard to the protection of wetlands of international importance (Article 4). This means these bird species and communities are a relevant consideration in HRA.

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To view birds listed under Annex I visit: http://ec.europa.eu/environment/nature/conservation/wildbirds/threatened/index_en.htm [Accessed 29/09/22]



Table A-1 - Key Species and National Wildlife Legislation, Policy and Biodiversity Framework Applicable in England & Wales

Species	Legislation	egislation, Planning Policy and UK Biodiversity Framework						
	Wildlife and Countryside Act 1981 (as amended), (WCA)				The Conservation of /Habitats and Species Regulations 2010 (as amended) (Habitats Regulations) - Regulation 41	Natural Environment and Rural Communities (NERC) Act 2006 / The Environment (Wales) Act (2016)	The Protection of Badgers Act 1992	The UK Post-2010 Biodiversity Framework 2011-2020 (JNCC and DEFRA, 2012)
	Schedule 1 Schedule 5 Schedule 9 8 Schedule 9		Schedule 9	European Protected Species (Annex IV of the EC Habitats Directive),				
Badger							✓	



Species	Legislation, Planning Policy and UK Biodiversity Framework						
Bats		✓ 10(part)			√ 11	√ 12	√ 13
Hazel Dormouse		✓ 5(part)			✓	√	✓
Otter		✓ 5(part)			✓	✓	✓
Water vole		✓¹⁴(full)				✓	✓
Birds	✓			√ 15		√ 16	√ 17

¹⁰ These species are partially protected under section 9(4)(b), (4)(c) and (5).

Only Barbastelle (Barbastella barbastellus), Bechstein's bat (Myotis bechsteinii), greater horseshoe bat (Rhinolophus ferrumequinum) and lesser horseshoe bat (Rhinolophus hipposideros) are listed on Annex II of the Habitats Directive.

Greater horseshoe bat, lesser horseshoe bat, Bechstein's bat, noctule (*Nyctalus noctula*), soprano pipistrelle (*Pipistrellus pygmaeus*), brown long-eared bat (*Plecotus auritus*) and barbastelle are listed as Species of Principal Importance in England with the addition of common pipistrelle (*Pipistrellus pipistrellus*) in Wales listed under Section 7 of the Environment (Wales) Act (2016) https://www.legislation.gov.uk/ukpga/2006/16/contents.

Barbastelle bat, Bechstein's bat, noctule, soprano pipistrelle, brown long-eared bat, greater horseshoe bat, lesser horseshoe bat are listed as UK BAP species of bat.

Class Licences are available to Registered Consultants to intentionally disturb, damage or destroy water vole burrows or to displace water voles from their burrows in relation to a development proposal where the licensed action provides a conservation benefit for water voles. Certain displacement operations may be carried out under a Class licence by a registered person in England, however in Wales all displacement operations must be carried out under a site specific licence.

To view plants and animals listed on Schedule 9 Part 1 visit http://www.legislation.gov.uk/ukpga/1981/69/schedule/9 [Accessed 29/09/22]

There are 49 species of birds listed as Species of Principal Importance in England in Section 41 of the NERC Act 2006 and 51 species in Wales under Section 7 of the Environment (Wales) Act (2016) http://www.legislation.gov.uk/ukpga/2006/16/contents.

To view the current list of UK BAP priority birds visit: http://jncc.defra.gov.uk/page-5163 [Accessed 29/09/22].



Species	Legislation	Legislation, Planning Policy and UK Biodiversity Framework						
Reptiles		√18(part)		√ 9	√ 19	√ 20		√21
Amphibians		√ ²² (part)		√23	√24 _, 25	√ 26		
White- clawed Crayfish		√ ²⁷ (partial)			√ 28	✓		✓

19 Smooth snake (*Coronella austriaca*) and Sand lizard (*Lacerta agilis*) are the only reptiles to be designated as European Protected Species.

To view the current list of UK BAP priority herptile species visit: http://jncc.defra.gov.uk/page-5166 [Accessed 29/09/22].

The four common reptile species, Adder (*Vipera berus*), Grass snake (*Natrix natrix*), Common lizard (*Zootoca vivipara*) and Slow worm (*Anguis fragilis*) are offered partial protection under section 9(5). The rarer UK reptile species (Smooth snake (*Coronella austriaca*) and Sand lizard (*Lacerta agilis*)) are partially protected under section 9(4)(b) and (c) and (5).

All 6 reptile species are listed as Species of Principal Importance in England listed under Section 41 of the NERC Act 2006 and 5 species, excluding smooth snake, listed under Section 7 of the Environment (Wales) Act (2016) https://www.legislation.gov.uk/ukpga/2006/16/contents.

The four common reptile species, Adder (*Vipera berus*), Grass snake (*Natrix natrix*), Common lizard (*Zootoca vivipara*) and Slow worm (*Anguis fragilis*) are offered partial protection under section 9(5). The rarer UK reptile species (Smooth snake (*Coronella austriaca*) and Sand lizard (*Lacerta agilis*)) are partially protected under section 9(4)(b) and (c) and (5).

²³ Common frog (*Rana temporaria*), Common toad (*Bufo bufo*), Smooth newt (*Lissotriton vulgaris*) and Palmate newt (*Lissotriton helveticus*) are offered partial protection under section 9(5). Great crested newt (*Triturus cristatus*) and Natterjack toad (*Epidalea calamita*) are offered partial protection under section 9(4)(b) and (c) and (5). Pool frog (*Pelophylax lessonae*) is offered partial protection under section 9(4)(b) and (c)(1) only and with respect to England only.

²⁴ Great crested newt, Natterjack toad and Pool frog are the only amphibians to be designated European Protected Species.

²⁵ Great crested newt is the only amphibian listed on Annex II of the Habitats Directive.

²⁶ Great crested newt, Natterjack toad and Common toad are listed as Species of Principal Importance in England in Section 41 of the NERC Act 2006 and under Section 7 of the Environment (Wales) Act (2016) http://www.legislation.gov.uk/ukpga/2006/16/contents.

Under the Wildlife and Countryside Act it is illegal to take or sell white clawed crayfish under the WCA. A licence is required to survey (hand net or trap) for the species. To undertake work within WCC inhabited rivers a Class Licence maybe issued by the relevant authority to move WCC away from harm prior to works. Although WCC are not protected from killing or injury Natural England state in their Class licence that due to declining numbers all efforts should be made to conserve the species.

White clawed crayfish are listed under Annex II and V of the Habitats Directive.



Species	Legislation	Legislation, Planning Policy and UK Biodiversity Framework						
Invertebrates		✓ ²⁹ (full/part) ✓ ✓ ³⁰ , ³¹ ✓ ³² ✓ ³³						
Fish		✓34(full/part)		√9	√35,36	√37		√38

²⁹ To view the current list of invertebrates that are protected under this Act either in part or full visit: http://www.legislation.gov.uk/ukpga/1981/69/schedule/5 [Accessed 29/09/22].

The Large blue butterfly (*Maculinea arion*), Fisher's estuarine moth (*Gortyna borelii lunata*) and Lesser whirlpool ram's-horn snail (*Anisus vorticulus*) are the only invertebrates to be designated European Protected Species.

There are currently twelve invertebrates listed in Annex II of the Habitats Directive; White-clawed crayfish (*Austropotamobius pallipes*), Southern damselfly (*Coenagrion mercuriale*), Marsh fritillary butterfly (*Eurodryas aurinia*), Violet click beetle (*Limoniscus violaceus*), Stag beetle (*Lucanus cervus*), Freshwater pearl mussel (*Margaritifera margaritifera*), Narrow-mouthed whorl snail (*Vertigo angustior*), Round-mouthed whorl snail (*Vertigo genesii*), Geyer's whorl snail (*Vertigo geyeri*), Desmoulin's whorl snail (*Vertigo moulinsiana*), Lesser whirlpool ram's-horn snail (*Anisus vorticulus*) and Fisher's estuarine moth (*Gortyna borelii lunata*).

There are currently 379 invertebrate species (not including marine species) listed as Species of Principal Importance in England <a href="http://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&ved=0ahUKEwivvu7J9trSAhXiCsAKHX4TBGcQFggvMAM&url=http%3A%2F%2Fpublications.naturalenglan d.org.uk%2Ffile%2F6518755878240256&usg=AFQjCNEpiUWYuOqhVcfSDvi_3iK2TJytfQ and 188 species in Wales http://www.eryri-npa.gov.uk/_data/assets/pdf_file/0003/486156/SpeciesList.pdf listed under Section 41 of the NERC Act 2006 and listed under Section 7 of the of the Environment (Wales) Act 2016. [Accessed 29/09/22]

To view the current list of UK BAP priority invertebrates visit: http://jncc.defra.gov.uk/page-5169 [Accessed 29/09/22].

To view the current list of fish either part or fully protected under the Act visit: http://www.legislation.gov.uk/ukpga/1981/69/schedule/5 [Accessed 29/09/22].

³⁵ Sturgeon (*Acipenser sturio*) is the only fish to be designated a European Protected Species.

There are eight fish species listed on Annex II of the Habitats Directive. To view the current list visit: http://jncc.defra.gov.uk/page-1523 [Accessed 29/09/22].

³⁷ There are 35 species of fish listed as Species of Principal Importance in England listed under Section 41 of the NERC Act 2006 and 10 species in Wales listed under Section 7 of the Environment (Wales) Act 2016.

To view the current list of UK BAP priority fish visit: http://jncc.defra.gov.uk/page-5164 [Accessed 29/09/22].



Species	Legislation, Planning Policy and UK Biodiversity Framework							
Plants			√ 39	√9	√40,41	√42		√ 43

To view the current list of Schedule 8 listed plants visit: http://www.legislation.gov.uk/ukpga/1981/69/schedule/8 [Accessed 29/09/22].

There are nine plant species designated as European Protected Species. To view the current list visit: http://www.legislation.gov.uk/ukpga/1981/69/schedule/8 [Accessed 29/09/22].

To view the current list of plant species on Annex II of the Habitats Directive visit: http://jncc.defra.gov.uk/page-1523 [Accessed 29/09/22].

There are currently 152 vascular plants listed as Species of Principal Importance in England listed under Section 41 of the NERC Act 2006 and 77 species in Wales listed under Section 7 of the Environment (Wales) Act 2016.31 To view the current list of UK BAP priority plants visit: http://jncc.defra.gov.uk/page-5171 and http://jncc.defra.gov.uk/page-5168 [Accessed 29/09/22].

To view the current list of UK BAP priority plants visit: http://jncc.defra.gov.uk/page-5171 and http://jncc.defra.gov.uk/page-5168 [Accessed 29/09/22].

Appendix B

SUMMARY OF ECOLOGICAL DESK STUDY DATA





Table B-1 - Protected and notable mammals (excluding bats) for which records have been identified within 2 km

Species common name	Species Latin name	No. of records	Distance and orientation from the Site	Legal / Conservation Status ⁴⁴
American mink	Neovison vison	6	657 m NW	INNS, WCA9
Eastern grey squirrel	Sciurus carolinensis	24	608 m W	INNS, WCA9
Eurasian badger	Meles meles	2	853 m SW	PBA
European otter	Lutra lutra	27	437 m S	EPS, WCA5, S7
Weasel	Mustela nivalis	1	1.61 km NE	
West European hedgehog	Erinaceus europaeus	73	126 m S	S7

Table B-2 - Protected and notable bat species for which records have been identified within 2 km

Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Bat species	Chiroptera	22	EPS, WCA5
Brown Long- eared bat	Plecotus auritus	2	EPS, WCA5, S7
Common pipistrelle	Pipistrellus pipistrellus	166	EPS, WCA5, S7
Daubenton's bat	Myotis daubentonii	4	EPS, WCA5
Leisler's bat	Nyctalus leisleri	1	EPS, WCA5
Lesser horseshoe bat	Rhinolophus hipposideros	7	EPS, WCA5, S7
Long-eared bat species	Plecotus sp.	1	EPS, WCA5

⁴⁴ INNS = Invasive Non-native Species, WCA = Wildlife and Countryside Act 1981 (as amended), PBA = Protection of Badgers Act 1992, EPS = European Protected Species; S7 = Environment (Wales) Act 2016 (Section 7) HabReg = The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019



Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Myotis species	<i>Myotis</i> sp.	3	EPS, WCA5
Nathusius's pipistrelle	Pipistrellus nathusii	5	EPS, WCA5
Noctule bat	Nyctalus noctula	14	EPS, WCA5, S7
Pipistrelle species	Pipistrellus sp.	36	EPS, WCA5
Serotine	Eptesicus serotinus	2	EPS, WCA5
Soprano pipistrelle	Pipistrellus pygmaeus	172	EPS, WCA5, S7

Table B-3 - Protected and notable bird species for which records have been identified with 2 km

Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Black redstart	Phoenicurus ochruros	1	WCA1.1
Black-headed gull	Chroicocephalus ridibundus	102	S7
Brambling	Fringilla montifringilla	6	WCA1.1
Canada goose	Branta canadensis	12	INNS, WCA9
Cetti's warbler	Cettia cetti	67	WCA1.1
Common firecrest	Regulus ignicapilla	22	WCA1.1
Common gull	Larus canus	2	
Common house martin	Delichon urbicum	67	
Common reed bunting	Emberiza schoeniclus	2	S7
Common sandpiper	Actitis hypoleucos	2	
Cormorant	Phalacrocorax carbo	77	
Crane	Grus grus	2	WCA9
Cuckoo	Cuculus canorus	1	S7
Curlew	Numenius arquata	1	S7
Dipper	Cinclus cinclus	30	



Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Dunlin	Calidris alpina	1	
Dunnock	Prunella modularis	40	S7
Eurasian bullfinch	Pyrrhula pyrrhula	15	S7
Eurasian coot	Fulica atra	19	
Eurasian skylark	Alauda arvensis	3	S7
European green woodpecker	Picus viridis	48	
European herring gull	Larus argentatus	129	S7
Fieldfare	Turdus pilaris	8	WCA1.1
Glaucous gull	Larus hyperboreus	2	
Goldcrest	Regulus regulus	72	
Goshawk	Accipiter gentilis	1	WCA1.1, WCA9
Great black- backed gull	Larus marinus	2	
Green sandpiper	Tringa ochropus	1	WCA1.1
Greenfinch	Chloris chloris	19	
Grey heron	Ardea cinerea	53	
Grey wagtail	Motacilla cinerea	40	
Hawfinch	Coccothraustes coccothraustes	3	S7
Hobby	Falco subbuteo	2	WCA1.1
House sparrow	Passer domesticus	25	S7
Iceland gull	Larus glaucoides	6	
Kestrel	Falco tinnunculus	5	S7
Kingfisher	Alcedo atthis	26	WCA1.1
Lesser black- backed gull	Larus fuscus	97	
Lesser whitethroat	Curruca curruca	8	



Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Linnet	Linaria cannabina	2	S7
Long-tailed tit	Aegithalos caudatus	97	
Mallard	Anas platyrhynchos	142	
Marsh tit	Poecile palustris	3	S7
Meadow pipit	Anthus pratensis	7	
Mediterranean gull	Ichthyaetus melanocephalus	6	WCA1.1
Mistle thrush	Turdus viscivorus	43	
Oystercatcher	Haematopus ostralegus	2	
Peregrine	Falco peregrinus	16	WCA1.1
Pochard	Aythya ferina	1	
Quail	Coturnix coturnix	1	WCA1.1
Red kite	Milvus milvus	4	WCA1.1, WCA9
Redshank	Tringa totanus	1	
Redstart	Phoenicurus phoenicurus	1	
Redwing	Turdus iliacus	84	WCA1.1
Ring-necked parakeet	Psittacula krameri	3	INNS, WCA9
Sand martin	Riparia riparia	22	
Shelduck	Tadorna tadorna	1	
Snipe	Gallinago gallinago	4	
Snow goose	Anser caerulescens	1	INNS, WCA9
Song thrush	Turdus philomelos	77	S7
Starling	Sturnus vulgaris	48	S7
Swallow	Hirundo rustica	84	
Swift	Apus apus	67	
Teal	Anas crecca	2	



Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Tufted duck	Aythya fuligula	1	
Wheatear	Oenanthe oenanthe	1	
Whitethroat	Curruca communis	5	
Wigeon	Mareca penelope	3	
Willow warbler	Phylloscopus trochilus	9	
Wryneck	Jynx torquilla	2	WCA1.1
Yellowhammer	Emberiza citrinella	1	S7
Yellow-legged gull	Larus michahellis	13	

Table B-4 - Protected and notable amphibian and reptile species for which records have been identified within 2 km

Species common name	Species Latin Name	No. of Records	Distance and Orientation From the Site	Legal / Conservation Status
Common lizard	Zootoca vivipara	2	196 m SW	WCA5, S7
Common toad	Bufo bufo	1	2.13 km NE	WCA5, S7
Grass snake	Natrix helvetica	2	304 m SE	WCA5, S7
Palmate newt	Lissotriton helveticus	3	1.21 km NE	WCA5
Slow worm	Anguis fragilis	70	257 m SE	WCA5, S7

Table B-5 - Protected and Notable Plant Species for Which Records Have Been Identified Within 2 km

Species Common Name	Species Latin Name	No. of records	Legal / Conservation Status
Alpine cinquefoil	Potentilla crantzii	1	
Annual mercury	Mercurialis annua	1	
Bee orchid	Ophrys apifera	5	



Species Common Name	Species Latin Name	No. of records	Legal / Conservation Status
Black horehound	Ballota nigra	1	
Black poplar	Populus nigra subsp. betulifolia	1	
Bluebell	Hyacinthoides non-scripta	6	WCA8
Bluebell	Hyacinthoides hispanica x non- scripta	1	INNS
Broad-leaved everlasting-pea	Lathyrus latifolius	1	INNS
Butterfly-bush	Buddleja davidii	12	INNS
Charlock	Sinapis arvensis	1	
Cherry laurel	Prunus laurocerasus	3	INNS
Common broomrape	Orobanche minor	1	
Common feather- moss	Kindbergia praelonga	33	
Cotoneaster species	Cotoneaster sp.	3	INNS, WCA9
Dwarf feather- moss	Oxyrrhynchium pumilum	4	
Early forget-me- not	Myosotis ramosissima	1	
Flowering-rush	Butomus umbellatus	1	
Fritillary	Fritillaria meleagris	1	
Glabrous whitlowgrass	Erophila glabrescens	1	
Goldilocks buttercup	Ranunculus auricomus	2	
Hairy St John's- wort	Hypericum hirsutum	2	
Hawkweed oxtongue	Picris hieracioides	2	
Heath star moss	Campylopus introflexus	1	
Herb-paris	Paris quadrifolia	1	



Species Common Name	Species Latin Name	No. of records	Legal / Conservation Status
Himalayan honeysuckle	Leycesteria formosa	2	INNS
Indian balsam	Impatiens glandulifera	19	INNS, WCA9
Japanese knotweed	Reynoutria japonica	20	INNS, WCA9
Japanese rose	Rosa rugosa	1	INNS, WCA9
Large-flowered hemp-nettle	Galeopsis speciosa	1	S7
Lesser celandine	Ficaria verna var. bulbifer	1	
Lesser squirrel- tail moss	Habrodon perpusillus	1	S7
Marble screw- moss	Syntrichia papillosa	5	
Meadow saxifrage	Saxifraga granulata	2	
Mistletoe	Viscum album	10	
Monbretia	Crocosmia x crocosmiiflora (C. aurea x pottsii)	1	INNS, WCA9
Nicholson's beard-moss	Didymodon nicholsonii	4	
Nuttall's water- weed	Elodea nuttallii	1	INNS
Reflexed meadow-grass	Puccinellia distans	1	
Rhododendron	Rhododendron ponticum	1	INNS, WCA9
Round-leaved crane's-bill	Geranium rotundifolium	2	
Sea-buckthorn	Hippophae rhamnoides	1	INNS
Slender sandwort	Arenaria serpyllifolia subsp. leptoclados	1	
Small-flowered crane's-bill	Geranium pusillum	1	
Spanish bluebell	Hyacinthoides hispanica	17	INNS



Species Common Name	Species Latin Name	No. of records	Legal / Conservation Status
Spotted medick	Medicago arabica	1	
Squirrel-tail moss	Leucodon sciuroides	2	
Stone parsley	Sison amomum	1	1
Thin-spiked wood-sedge	Carex strigosa	3	
Three-cornered garlic	Allium triquetrum	1	INNS, WCA9
Thyme-leaved sandwort	Arenaria serpyllifolia subsp. serpyllifolia	1	
Toothwort	Lathraea squamaria	4	
Viper's-bugloss	Echium vulgare	1	
Wayfaring-tree	Viburnum lantana	1	1
Welsh poppy	Meconopsis cambrica	1	
White stonecrop	Sedum album	1	INNS
Wilson's honeysuckle	Lonicera nitida	1	INNS
Wood vetch	Vicia sylvatica	1	
Yellow archangel	Lamiastrum galeobdolon ssp. montanum	2	INNS, WCA9
Yellow-wort	Blackstonia perfoliata	2	

Table B-6 - Protected and Notable Invertebrate Species for Which Records Have Been Identified Within 2 km

Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Agrion	Calopteryx	2	
August thorn	Ennomos quercinaria	30	S7
Autumnal rustic	Eugnorisma glareosa	4	S7
Banded agrion	Calopteryx splendens	2	
Barred sallow	Tiliacea aurago	7	



Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Beautiful agrion	Calopteryx virgo	16	
Big-headed mining bee	Andrena bucephala	1	
Black-headed cardinal beetle	Pyrochroa coccinea	3	
Blood-vein	Timandra comae	1	S7
Brindled beauty	Lycia hirtaria	20	S7
Buff ermine	Spilosoma lutea	46	S7
Buff-tailed bumblebee	Bombus terrestris	39	
Bulrush veneer	Calamotropha paludella	2	
Centre-barred sallow	Atethmia centrago	1	S7
Cinnabar	Tyria jacobaeae	17	S7
Common carder bee	Bombus pascuorum	20	
Coronet	Craniophora ligustri	38	
Crescent	Helotropha leucostigma	3	S7
Dark-barred twin- spot carpet	Xanthorhoe ferrugata	3	S7
Dot moth	Melanchra persicariae	19	S7
Double lobed	Lateroligia ophiogramma	2	
Dusky brocade	Apamea remissa	2	S7
Dusky thorn	Ennomos fuscantaria	17	S7
Early bumblebee	Bombus pratorum	13	
Field cuckoo bumblebee	Bombus campestris	1	
Garden bumblebee	Bombus hortorum	4	
Garden tiger	Arctia caja	7	S7



Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Ghost moth	Hepialus humuli	8	S7
Grass rivulet	Perizoma albulata	3	S7
Green immigrant leaf weevil	Polydrusus formosus	1	
Green-brindled crescent	Allophyes oxyacanthae	1	S7
Grey dagger	Acronicta psi	12	S7
Gypsy (bohemian) cuckoo bee	Bombus bohemicus	1	
Harlequin ladybird	Harmonia axyridis	60	INNS
Killer shrimp	Dikerogammarus villosus	4	INNS
Knot grass	Acronicta rumicis	27	S7
Lackey	Malacosoma neustria	10	S7
Large ranunculus	Polymixis flavicincta	19	
Large wainscot	Rhizedra lutosa	1	S7
Long soil centipede	Henia vesuviana	1	
Long-winged cone-head	Conocephalus fuscus	1	
Marsh fritillary	Euphydryas aurinia	1	WCA5, S7
Mottled rustic	Caradrina morpheus	2	S7
Powdered quaker	Orthosia gracilis	1	S7
Purple hairstreak	Favonius quercus	2	
Red-tailed bumblebee	Bombus lapidarius	23	
Rosy rustic	Hydraecia micacea	7	S7
Rustic	Hoplodrina blanda	23	S7
Sallow	Cirrhia icteritia	11	S7
September thorn	Ennomos erosaria	5	S7



Species Common Name	Species Latin Name	No. of Records	Legal / Conservation Status
Shaded broad-bar	Scotopteryx chenopodiata	1	S7
Shoulder-striped wainscot	Leucania comma	4	S7
Slender ground- hopper	Tetrix subulata	1	
Small emerald	Hemistola chrysoprasaria	3	S7
Small phoenix	Ecliptopera silaceata	24	S7
Small square-spot	Diarsia rubi	17	S7
Small waved umber	Horisme vitalbata	1	
Speckled bush- cricket	Leptophyes punctatissima	6	
Spindle knot-horn	Nephopterix angustella	2	
Stag beetle	Lucanus cervus	1	WCA5, S7
Vestal (southern) cuckoo bee	Bombus vestalis	3	
Western conifer seed bug	Leptoglossus occidentalis	2	INNS
White ermine	Spilosoma lubricipeda	8	S7
White-letter hairstreak	Satyrium w-album	1	WCA5, S7
White-tailed bumblebee	Bombus lucorum	9	
Yellow-shinned leaf licker	Xylota xanthocnema	1	
Yellow-spotted sapyga	Monosapyga clavicornis	1	

Appendix C

PLANT SPECIES RECORDED





Table C-1 - Plant Species Recorded

Common Name	Latin Name	Frequency (DAFOR)
A1.1.1 Broadleaved woodland – semi-natural		
Ash	Fraxinus excelsior	А
Birch	Betula sp.	А
Bramble	Rubus fruticosus agg.	0
lvy	Hedera helix	F
Pedunculate Oak	Quercus robur	А
Sycamore	Acer pseudoplatanus	А
A2.2 Scrub - scattered		
Bramble	Rubus fruticosus agg.	А
Butterfly-bush	Buddleja davidii	А
Field horsetail	Equisetum arvense	0
Hawthorn	Crataegus monogyna	F
Willow	Salix sp.	А
A3.1 Broadleaved parkland / scattered trees		
Ash	Fraxinus excelsior	F
Birch	Betula sp.	F
Pedunculate Oak	Quercus robur	F
Sycamore	Acer pseudoplatanus	F
B2.2 Neutral grassland – semi-improved		
Dandelion	Taraxacum officinale agg.	F
Japanese knotweed	Reynoutria japonica	0
Perennial rye-grass	Lolium perenne	D
Ribwort plantain	Plantago lanceolata	А
Rough hawkbit	Leontodon hispidus	F
White clover	Trifolium repens	D
Yorkshire fog	Holcus lanatus	F



Common Name	Latin Name	Frequency (DAFOR)
B4 Improved grassland		
Perennial rye-grass	Lolium perenne	D
J1.2 Amenity grassland		
Bird's-foot trefoil	Lotus corniculatus	0
Cinquefoil	Potentilla sp.	0
Creeping buttercup	Ranunculus repens	A
Daisy	Bellis perennis	А
Dandelion	Taraxacum officinale agg.	A
Dock	Rumex sp.	R
Field horsetail	Equisetum arvense	0
Greater plantain	Plantago major	F
lvy	Hedera helix	0
Ivy-leaved toadflax	Cymbalaria muralis	R
Lesser stitchwort	Stellaria graminea	0
Lesser trefoil	Trifolium dubium	0
Perennial rye-grass	Lolium perenne	D
Red clover	Trifolium pratense	F
Ribwort plantain	Plantago lanceolata	F
Rough hawkbit	Leontodon hispidus	А
Scarlet pimpernel	Lysimachia arvensis	R
Selfheal	Prunella vulgaris	А
Speedwell	Veronica sp.	0
Thistle	Cirsium sp.	R
White clover	Trifolium repens	А
Willow	Salix sp.	R
Yorkshire fog	Holcus lanatus	D

Appendix D

TARGET NOTES





TARGET NOTES

Table D-1 - Target Notes

Target Note Number	Target Note Description
TN1	Stand of INNS Japanese knotweed found on the Site during the Phase 1 habitat survey.
TN2	House sparrow nesting material found in lifted flashing of building 5 (B5) on the Site.

Appendix E

PHOTOGRAPHS





Table E-1 - Target Notes and Phase 1 Habitats on Site





Photo 1 – TN1 – Japanese knotweed

Photo 2 – A2.2 Scrub – scattered

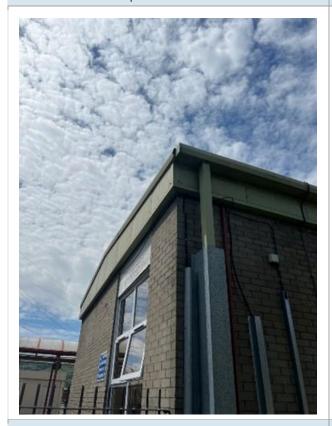


Photo 3 – TN2 – Building (B5) with house sparrow nest



Photo 4 – B2.2 Neutral grassland – semi-improved



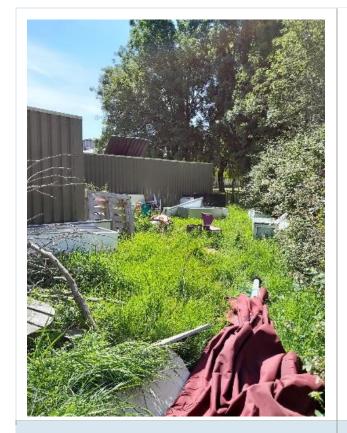


Photo 5 – B4 Improved grassland



Photo 6 – A3.1 Broadleaved Parkland/scattered trees

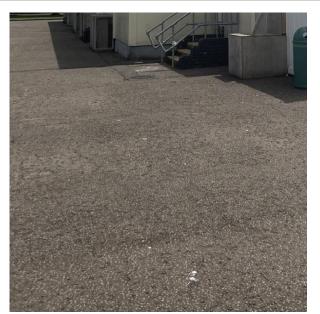


Photo 7 – J1.2 Amenity grassland

Photo 8 - Hardstanding



Table E-2 - Buildings and PRFs on Site

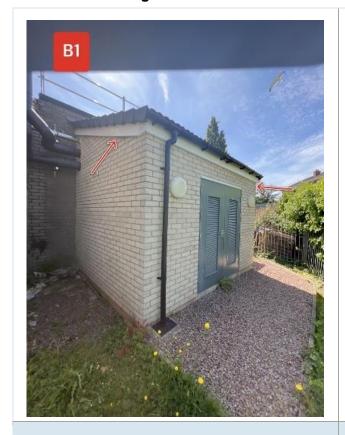




Photo 1 – PRFs on B1

B2

Photo 2 – Bat droppings found below lifted facia cover on B1 $\,$



Photo 3 – PRFs on B2

Photo 4 – PRFs on B2



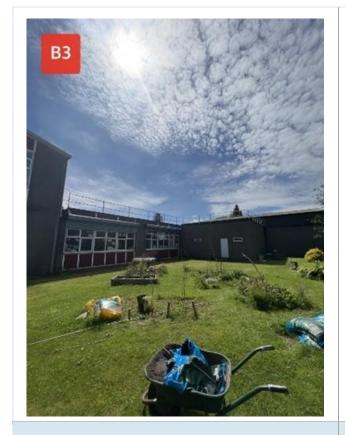




Photo 5 – B3

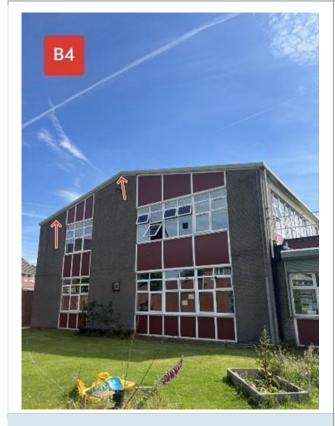


Photo 6 – PRFs on B4



Photo 7 – PRFs on B4

Photo 8 – PRFs on B6



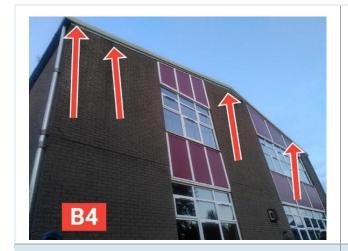
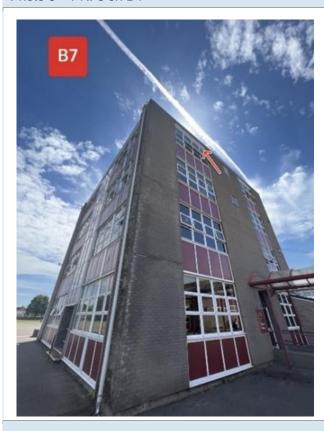




Photo 9 – PRFs on B4

Photo 10 – PRFs on B5



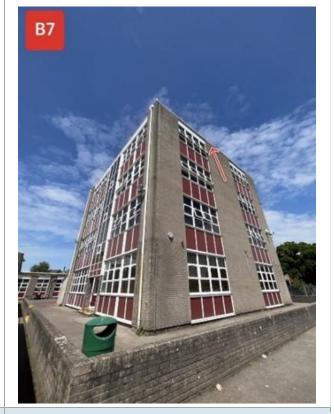
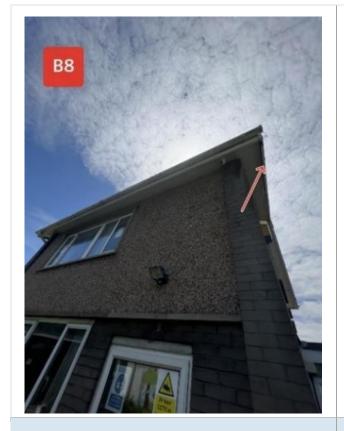


Photo 11 – PRF1 on B7

Photo 12 – PRF2 on B7





B8

Photo 13 - PRF1 on B8



Photo 14 – PRF2 on B8

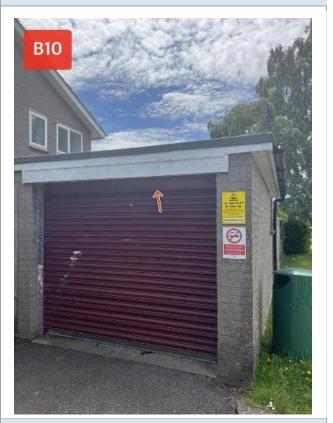


Photo 15 – B9

Photo 16 – PRF1 on B10





B15

Photo 17 – B11 – B14 prefrabicated buildings

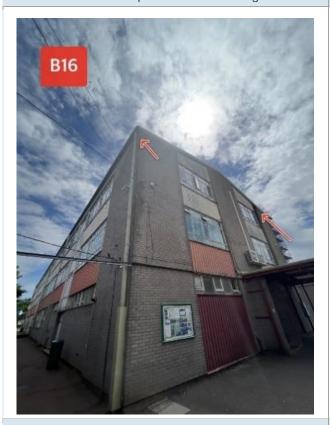


Photo 19 – PRF1 on B16





Photo 20 - PRF2 on B16







Photo 21 - PRF1 and PRF3 on B16



Photo 22 – B17

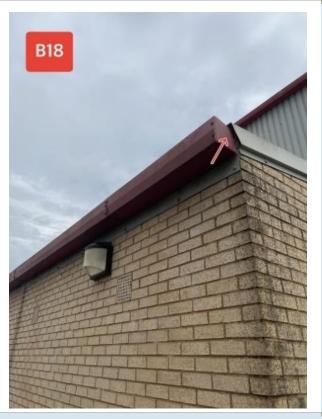


Photo 23 – PRFs on B18

Photo 24 – PRF on B18







Photo 25 - Ouside of B19

Photo 26 – Outside of B19

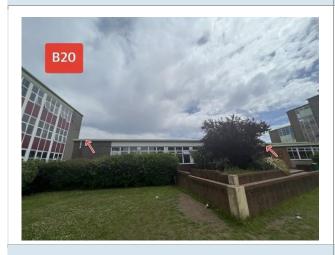
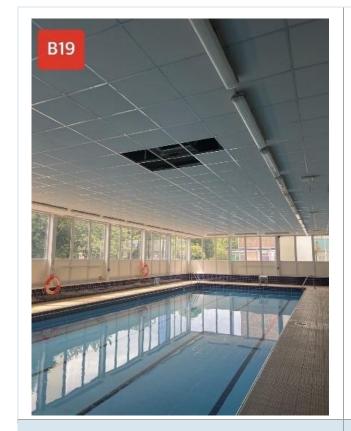




Photo 27 – PRFs on B20

Photo 28 - PRF1 on B23





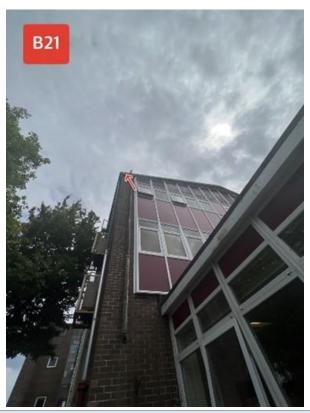


Photo 29 - Inside of B19

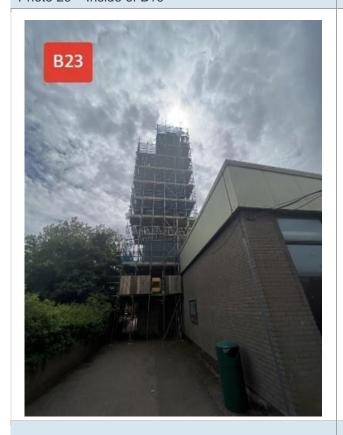


Photo 30 – PRF1 on B21

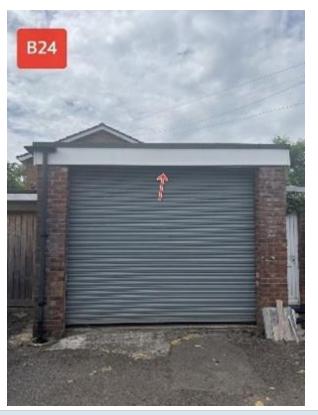


Photo 31 - B23

Photo 32 - PRF1 on B24



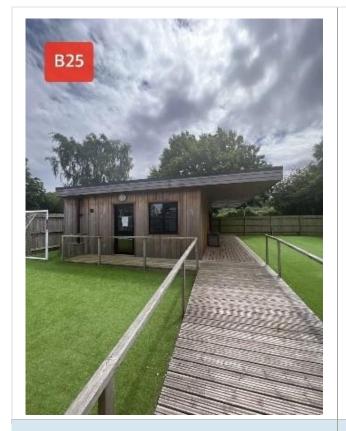




Photo 33 – PRF on B25

Photo 34 - B26



Photo 35 - PRF2 on B24



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