

Appendix 7

Species Recovery Assessment for the Derbyshire Local Nature Recovery Strategy

Species Recovery Assessment for the Derbyshire Local Nature Recovery Strategy – the species Long List and Priority Species

To assess species for inclusion in the Derbyshire LNRS species were identified in accordance with the guidance and advice set out by Natural England (*reference Species Recovery within Local Nature Recovery Strategies, Advice for Responsible Authorities, Version 1: August 2023*). Our goal was to try and identify threatened and other locally significant species relevant to the strategy area and determine which of these species should be prioritised for recovery action. A group of species experts was convened to assist with the process (see Appendix 1 for full list) and species data was gathered from local individuals, natural history groups, Derbyshire Biological Records Centre and on-line data platforms including National Biodiversity Network, Botanical Society of Britain and Ireland and species recording schemes.

We initially identified 757 species, but subsequently excluded 279 of these from the Long List for one or more of the following reasons: -

- i. they failed to meet Natural England's guidance advice for inclusion
- ii. there was insufficient information to confirm their status in the County and / or record/s were erroneous or unconfirmed
- iii. conservation measures in Derbyshire not needed or unlikely to make a difference

The Long List

After excluding these species, we were left with a Long List of 477 species (a full species list is provided in Appendix 2: Table 6). These species were then refined to create a more manageable list of species priorities that the LNRS can best support. To assist with this process species on the Long List were assigned to categories as advised by Natural England (see Table 1).

Table 1: Species Recovery Categories

Category	Description	Benefit from LNRS?	Suitable LNRS species priorities?	No. of species assigned to this category
A: Needs more / bigger / better-connected habitat	<p>Species likely to markedly benefit from general creation, expansion, and improved connectivity of good quality habitats in the strategy area</p> <p>Species with high recovery potential that do not require specific or targeted recovery measures</p>	Yes	Probably not – species are likely to benefit from LNRS measures generally and do not need to be singled out for specific LNRS measures	188
B: Needs targeted habitat management	<p>Species with specific requirements for habitat quality, structure, conditions, or processes above and beyond category A</p> <p>Species may require specific configurations or complexes of connected or nearby habitat/s, either at site level or across large areas / multiple sites. This may include habitat connectivity measures for</p>	Yes	Yes	146

	<p>species needing support to track climate change.</p> <p>Causes of decline can be addressed with new or improved management practices</p>			
C: Needs improvements in environmental quality	<p>Species primarily limited by one or more pressures beyond site level that can be mitigated at LNRS scale or wider scales through collaboration with neighbouring RAs</p> <p>For example, better catchment water quality, improved spatial planning of air pollution sources, mitigation of recreational disturbance</p>	Yes	Yes	9
D: Needs bespoke conservation action/s	<p>Species requiring additional, tailored measures which can be spatially indicated on the local habitat map</p> <p>Species may need multiple coordinated actions to bring about recovery, including combinations of local actions and national actions, where LNRS could address the former</p>	Yes	Yes	42

	Examples of bespoke, spatially targetable local actions include conservation translocations (such as assisted colonisation for climate change adaptation), control of invasive species, and localised surveys.			
E: Needs better evidence base / on-the-ground action is not a priority	Species for which there is insufficient evidence or understanding regarding drivers of decline, required recovery actions, and range / population levels Species for which the current priority is other than on-the-ground action, for example research or ex-situ conservation	Unknown	No	63
F: Needs action outside England	Species with low (or very low) recovery potential due to factors constraining recovery beyond English borders Evidence shows that action in England is highly unlikely to improve species' prospects This category is likely to apply only to migratory species (e.g., Afro-	No	No	0

	Palearctic migratory birds affected by hunting)			
G: Vagrants / occasional visitors	Species currently outside their normal breeding or wintering range or normal migration route, without an extant population in the strategy area, and which are not suitable for conservation translocation	No	No	31

A total of 199 species (41.7%) were assessed as most closely meeting the requirements for either categories B, C or D and these were taken forward as the species priorities list. These species are the ones that the strategy can potentially benefit the most. Species assigned to categories E, F or G require actions for recovery that are beyond the scope of the LNRS. Species assigned to category A have also been scoped out of the final priorities list as these species are likely to benefit from general actions and measures set out in the LNRS.

A breakdown of how species from different taxonomic groups were treated as part of this process is shown in Table 2.

Table 2: No. of species within different taxonomic groups included in the Long List and within each category.				
Group	No of species on Long List	Category A	Category B, C, D	Category E, F, G
Higher Plants	125	49	36	40
Lower Plants	8	0	7	1
Lichens	8	2	6	0
Fungi	34	3	25	6
Invertebrates	190	97	58	36
Fish	7	0	6	1
Herptiles	6	1	3	2

Birds	82	31	49	2
Mammals	17	3	9	5
Total no. of species	477	186	199	93

Assemblages

The ecology and habitat requirements of the 199 species assigned to categories B, C or D were considered in relation to the identification of species habitat assemblages. Initially 20 broad assemblages were identified, and these were subsequently refined further after consideration of existing generic measures for habitats that will be included in the LNRS. This resulted in 7 species assemblages as listed below in Table 3. 128 of the 199 species on the priorities list are present within one or more of the 7 final assemblages.

Proposed assemblage	No. of species included in each assemblage	Description
Deadwood species assemblage	18	This assemblage is dominated by insects including 8 beetles and 6 flies. There is also 1 fungus and 3 lichens included. The assemblage occurs to varying extents in old parklands and ancient woodland. There are several exceptional sites including Calke Park, Haddon Hall and Chatsworth. Many less threatened taxa are also associated with these sites and the deadwood habitats present.
Grassland fungi	20	This assemblage is dominated by waxcaps with club and coral fungi, pinkgills and earthtongues. It is usually associated with nutrient poor acid grasslands, heaths and commons.

Threatened grassland flora and fauna	34	This assemblage includes threatened plants and animals that are dependent on grassland habitats for their survival. Many of these species are rare or in steep decline. The assemblage occurs to varying extents in locations cross the County.
Farmland wader assemblage	4	This assemblage is focussed on a small number of wading birds that breed on farmland in the Peak District especially close to the moorland fringe.
Threatened wetland flora and fauna	24	This assemblage includes threatened plants and animals that are dependent on wetland habitats for their survival. Many of these species are rare or in steep decline. The assemblage occurs to varying extents in locations across the County.
Mixed farming bird and plant assemblage	26	These species are dependent on sympathetic management of farmland including extensive and traditional management as well as measures designed as part of agri-environment agreements. The assemblage is commonest in the south, east and north-east of the County.
Landscape mosaic assemblage	22	This assemblage includes a range of invertebrates, birds, mammals and reptiles and will benefit from management, enhancement and expansion of areas of land that already form landscape habitat mosaics e.g. Abney Clough, Netherthorpe and Norbriggs Flash or number of brownfiled sites like Glapwell Void in Bolsover. It

		also opens the door to the creation of habitat mosaics through changes in land management and opportunities offered through Biodiversity Net Gain and Nutrient Neutrality.
Total number of species included in an assemblage	128 (c.64% of the priority species listed)	

The evolution of the thinking on assemblages is described in Table 4.

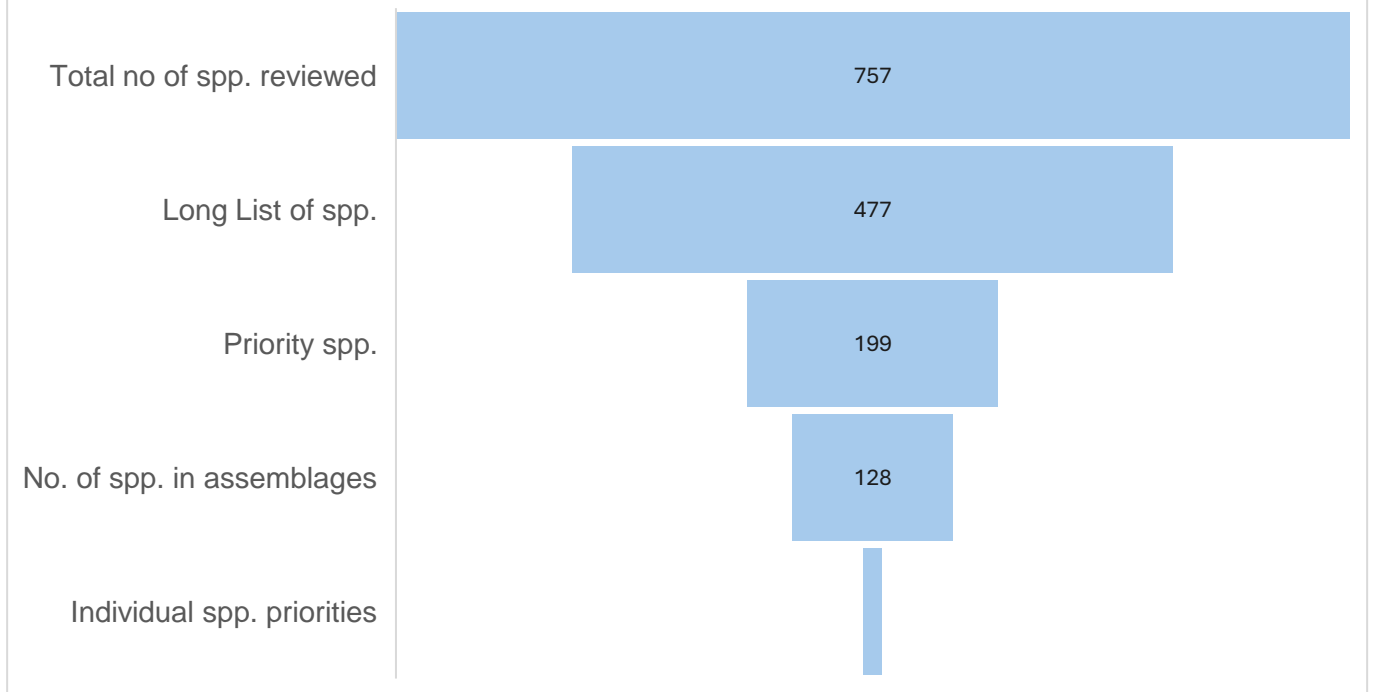
Table 4: Species assemblages and recommendations		
Provisional assemblage	Assessment / notes	Recommendation and proposed final assemblage
Woodland / scrub - upland	Measures already identified as core part of the LNRS	No specific assemblage taken forward.
Woodland / scrub - lowland	Measures already identified as core part of the LNRS	No specific assemblage taken forward.
Wet woodland / floodplain woods	Measures already identified as core part of the LNRS	No specific assemblage taken forward.
Wood-pasture and parks	Some measures already identified as core part of the LNRS. Specialist deadwood species require a separate assemblage.	Deadwood species assemblage proposed
Hedgerows and walls (linear habitats)	Measures already identified as core part of the LNRS	Partially covered under Mixed farming bird and plant assemblage
Upland mosaic habitats (moorland, blanket bog, fen, mire, acid grassland, scrub and woodlands)	Some measures already identified as core part of the LNRS. Measures for threatened grassland species and for waders required separately.	Threatened grassland flora and fauna assemblage, farmland wader assemblage and the Landscape mosaic assemblage all capture elements of this initial assemblage.
Limestone rock / scree substrate (lichens and mosses and higher plants)	A detailed understanding of what measures would be needed and the level of threat the species in the habitat are under requires further work.	Assemblage should be the focus of further survey and assessment and reviewed accordingly.

Gritstone rock / substrate (lichens, mosses and some higher plants)	A detailed understanding of what measures would be needed and the level of threat the species in the habitat are under requires further work.	Assemblage should be the focus of further survey and assessment and reviewed accordingly.
Heathland - scrub - woodland mosaics (rare habitat in lowland Derbyshire)	Some measures already identified as core part of the LNRS. Overlap with other assemblages.	Landscape mosaics assemblage addresses the need of a similar mix of species.
Flower rich calcareous grasslands, rock outcrops, scree, boulder and lead workings	Some measures already identified as core part of the LNRS. But rare and threatened flora and fauna are still considered to require additional action.	Threatened grassland flora and fauna.
Hay meadows and pastures	Measures already identified as core part of the LNRS. A small number of species (flora and fauna) may require additional measures.	Threatened grassland flora and fauna.
Grassland fungi	Assemblage reviewed and considered to require additional measures.	Grassland fungi assemblage.
Ponds, ditches, seepages and canals	Most measures are already identified in the core part of the LNRS. Overlaps with other wetland assemblages. Some additional measures needed for specific taxa.	Threatened wetland flora and fauna assemblage to address additional measures as required.
Reedbed, swamps, fens and mires (Marshland)	Most measures are already identified in the core part of the LNRS. Overlaps with other wetland assemblages. Some additional measures needed for specific taxa.	Threatened wetland flora and fauna assemblage to address additional measures as required.
Rivers and streams	Most measures are already identified in the core part of the LNRS. Overlaps with other wetland assemblages. Some additional measures needed for specific taxa.	Threatened wetland flora and fauna assemblage to address additional measures as required.

Reservoirs and lakes	Most measures are already identified in the core part of the LNRS. Overlaps with other wetland assemblages. Some additional measures needed for specific taxa.	Threatened wetland flora and fauna assemblage to address additional measures as required.
Farmland	Some measures are already identified in the core part of the LNRS. Overlaps with annuals and pioneers of disturbed ground. Some additional measures are needed to address all species needs.	Mixed farming bird and plant assemblage. Farmland wader assemblage.
Annuals and pioneers of disturbed ground	Some measures are already identified in the core part of the LNRS. Overlaps with Farmland assemblage. Some additional measures needed for specific taxa.	Mixed farming bird and plant assemblage.
Brownfield and former quarries, sandpits, collieries, ironworks, sidings, waste ground.	Some measures are included in the core part of the LNRS. There is an overlap with several other assemblages.	Landscape mosaic assemblage and Threatened grassland flora and fauna assemblage include some of the same species.
Man-made environments including buildings, parks and gardens.	Measures already identified as core part of the LNRS	No specific assemblage proposed.

A summary of the stages described above is provided in Figure 1. The number of species that the LNRS will aim to target for recovery measures is 128 in assemblages and 15 as individual species. However, species assigned to Category E (where there is currently insufficient understanding of distribution or habitat requirements) should also be subject where possible to further assessments and surveys to try and address these gaps.

Figure 1: LNRS Species Assessment Stages and Categories



Appendix 1: LNRS Species Recovery Consultation Group

Table 5: LNRS Species Recovery Consultation Group	
Name	Organisation / expertise
Alan Wragg	Derbyshire Bat Group
Beverley Rhodes	Fungi Recorder
Carole Boon	Derbyshire Biological Records Centre
Chris Monk	Derbyshire Amphibian and Reptile Group
Danielle Greaves	Natural England
Dave Mallon	Mammal and Butterfly expert
Dave Richardson	Derbyshire Ornithological Society
Derek Whitely	Sorby Natural History Society
Dr Alan Willmot	Derbyshire County Plant Recorder
Kelvin Lawrence	Derbyshire Amphibian and Reptile Group
Ken Orpe	East Midlands Butterfly Conservation
Kieron Huston	Derbyshire Wildlife Trust
Nick Brown	Local Bird Expert

Phil Gilbert	Derbyshire and Nottinghamshire Entomological Society
Rachel Bennett	Derbyshire Wildlife Trust
Rob Foster	Sorby Natural History Society
Sarah Bird	Peak District National Park
Steve Price	Sorby Natural History Society
Steve Thorpe	Derbyshire Ornithological Society
Tom French	Derbyshire County Council
Trevor Taylor	Fungi Recorder

Appendix 2: LNRS Species Long List Assessment Outcomes

The table below lists the species qualifying for selection for the LNRS Long List and the outcomes of the assessments in terms of categories, species priority lists and whether it was included in one of the 7 selected habitat assemblages or prioritised for individual action.

Table 6: LNRS Species Long List and the results of the assessment for each species in terms of categories, assemblages and individual priorities.					
Scientific name	Common name	Category each species was assigned to in the species Recovery Assessment	Included in priority species list (i.e. categories B,C,D)	Included in one or more of the proposed species assemblages	Individual Species Priorities (N.B these species are not included in assemblages)
Invertebrates					
Araneae (Spiders)					
<i>Agyneta mollis</i>	Thin Weblet	E	No	n/a	No
<i>Diplocephalus protuberans</i>	a spider	A	No	n/a	No
<i>Enoplognatha oelandica</i>	a spider	A	No	n/a	No
<i>Erigone welchi</i>	a spider	D	Yes	No	No
Coleoptera (beetles)					
<i>Ancistronycha abdominalis</i>	Blue Soldier Beetle	B	Yes	Yes	No

<i>Aromia moschata</i>	Musk Beetle	B	Yes	Yes	No
<i>Athous subfuscus</i>	a click beetle	E	No	n/a	No
<i>Bembidion fluviatile</i>	a ground beetle	E	No	n/a	No
<i>Bembidion nigricorne</i>	a ground beetle	E	No	n/a	No
<i>Carabus monilis</i>	Necklace Ground Beetle	E	No	n/a	No
<i>Carabus nitens</i>	a ground beetle	A	No	n/a	No
<i>Coccinella magnifica</i>	Scarce Seven-spot Ladybird	E	No	n/a	No
<i>Corticeus unicolor</i>	a darkling beetle	B	Yes	Yes	No
<i>Cryptocephalus bipunctatus</i>	a leaf beetle	A	Yes	Yes	No
<i>Cryptocephalus hypochaeridis</i>	a leaf beetle	A	No	n/a	No
<i>Dasytes virens</i>	a soft-winged flower beetle	B	Yes	Yes	No
<i>Hydnobius spinipes</i>	a rove beetle	E	No	n/a	No
<i>Hydraena palustris</i>	a water beetle (moss beetle)	E	No	n/a	No
<i>Hydrochus elongatus</i>	a water beetle	B	Yes	Yes	No
<i>Hydroporus longicornis</i>	a water beetle	E	No	n/a	No
<i>Ischnomera cyanea</i>	A flower beetle	A	No	n/a	No
<i>Lampyris noctiluca</i>	Glow-worm	B	Yes	Yes	No
<i>Longitarsus nigrofasciatus</i>	a leaf beetle	A	No	n/a	No
<i>Meloe violaceus</i>	Violet Oil-beetle	B	Yes	Yes	No
<i>Mycetochara humeralis</i>	a darkling beetle	B	Yes	yes	No
<i>Mycetophagus populi</i>	A darkling beetle	B	Yes	Yes	No
<i>Oreodytes davisii</i>	a water beetle	E	No	n/a	No
<i>Plateumaris braccata</i>	a leaf beetle	A	No	n/a	No
<i>Polydrusus marginatus</i>	a weevil	A	No	n/a	No
<i>Pyropterus nigroruber</i>	a net-winged beetle	E	No	n/a	No
<i>Quedius balticus</i>	a rove beetle	E	No	n/a	No
<i>Rhizophagus aeneus</i>	Rhizophagidae	B	Yes	Yes	No
<i>Saperda scalaris</i>	Ladder-marked longhorn beetle	B	Yes	Yes	No

<i>Stictonectes lepidus</i>	a water beetle	A	No	n/a	No
<i>Timarcha goettingensis</i>	Lesser Bloody-nosed beetle	B	Yes	Yes	No
<i>Trachys minutus</i>	a jewel beetle	A	No	n/a	No
Decapoda (Crustacea)					
<i>Austropotamobius pallipes</i>	White-clawed Crayfish	D	Yes	No	Yes
Diptera (flies)					
<i>Calliphora loewi</i>	Long-horned Bluebottle	B	Yes	Yes	No
<i>Cistogaster globosa</i>	Bishop's-mitre Parasite Fly	A	No	n/a	No
<i>Cteniphora pectinicornis</i>	Tipulidae (Craneflies)	B	Yes	Yes	No
<i>Dactylolabis sexmaculata</i>	Tipulidae (Craneflies)	B	Yes	Yes	No
<i>Dactylolabis transversa</i>	Tipulidae (Craneflies)	A	No	n/a	No
<i>Dicranomyia (Limonia) ornata</i>	Tipulidae (Craneflies)	B	Yes	Yes	No
<i>Dicranomyia aperta</i>	a crane fly	E	No	n/a	No
<i>Dicranomyia pallida (Limonia mitis-tufa sp., sensu Stubbs)</i>	Tipulidae (Craneflies)	E	No	n/a	No
<i>Erioptera verralli</i>	Tipulidae (Craneflies)	E	No	n/a	No
<i>Idioptera linnei</i>	a crane fly	E	No	n/a	No
<i>Leptarthrus brevisrostris</i>	Slender-footed Robberfly, Asilidae (Robberflies)	B	Yes	Yes	No
<i>Limonia nigropunctata</i>	Tipulidae (Craneflies)	A	No	n/a	No
<i>Mallota cimbiciformis</i>	a hoverfly	B	Yes	Yes	No
<i>Melangyna barbifrons</i>	a hoverfly	A	No	n/a	No
<i>Molophilus czizeki</i>	Tipulidae (Craneflies)	E	No	n/a	No
<i>Nemozoma elongatum</i>	Trogossitidae	B	Yes	Yes	No
<i>Opomyza punctella</i>	A fly	A	No	n/a	No
<i>Orimarga virgo</i>	Reddish Narrow-wing Crane	C	Yes	yes	No
<i>Parallelomma paridis</i>	A housefly	E	No	n/a	No
<i>Parasyrphus nigritarsis</i>	a hoverfly	A	No	n/a	No

<i>Platyparea discoidea</i>	Banded Bellflower Fly	E	No	n/a	No
<i>Pocota personata</i>	a hoverfly	D	Yes	Yes	No
<i>Prionocera pubescens</i>	a crane fly	E	No	n/a	No
<i>Psilota anthracina</i>	a hoverfly	D	Yes	Yes	No
<i>Rhipidia (Limonia) uniseriata</i>	Tipulidae (Craneflies)	B	Yes	Yes	No
<i>Solva marginata</i>	Drab Wood-soldierfly	B	Yes	Yes	No
<i>Spilogona litorea</i>	A housefly	A	No	n/a	No
<i>Syntormon macula</i>	A long-legged fly	A	No	n/a	No
<i>Tanyptera nigricornis</i>	Tipulidae (Craneflies)	B	Yes	Yes	No
<i>Tipula alpina</i>	Tipulidae (Craneflies) - Limestone Long-palp	E	No	n/a	No
<i>Tipula cheethami</i>	Tipulidae (Craneflies)	B	Yes	Yes	No
<i>Tipula griseescens</i>	Tipulidae (Craneflies)	A	No	n/a	No
<i>Tipula holoptera</i>	Tipulidae (Craneflies)	B	Yes	Yes	No
<i>Trypeta zoe</i>	a fruit fly	A	No	n/a	No
Ephemeroptera (Mayflies)					
<i>Ephemera lineata</i>	A mayfly	E	No	n/a	No
<i>Siphonurus armatus</i>	A mayfly	C	Yes	Yes	No
Heteroptera (true bugs)					
<i>Elasmucha ferrugata</i>	Bilberry Shieldbug	G	No	n/a	No
Hymenoptera (bees, wasps and ants)					
<i>Andrena tarsata</i>	Tormentil Mining Bee	E	No	n/a	No
<i>Bombus humilis</i>	Brown-banded Carder Bee	G	No	n/a	No
<i>Bombus monticola</i>	Bilberry Bumblebee	B	Yes	No	No
<i>Carria paradoxa</i>	An ichneumon wasp	E	No	n/a	No
<i>Epeolus cruciger</i>	Red-thighed Epeolus	B	Yes	No	No
<i>Formica lugubris</i>	Hairy Wood Ant	A	No	n/a	No
<i>Formicoxenus nitidulus</i>	Shining Guest Ant	A	No	n/a	No
<i>Lasius flavus</i>	Yellow Meadow Ant	B	Yes	Yes	No

<i>Philanthus triangulum</i>	Bee Wolf	A	No	n/a	No
Isopoda (Crustacea)					
<i>Armadillidium pictum</i>	Picture Pill Woodlouse	E	No	n/a	No
Lepidoptera (butterflies and moths)					
<i>Acronicta psi</i>	Grey Dagger	A	No	n/a	No
<i>Acronicta rumicis</i>	Knot Grass	A	No	n/a	No
<i>Adscita geryon</i>	Cistus Forester	B	Yes	Yes	No
<i>Adscita statices</i>	Forester	B	Yes	Yes	No
<i>Agrochola lychnidis</i>	Beaded Chestnut	A	No	n/a	No
<i>Allophyes oxyacanthae</i>	Green-brindled Crescent	A	No	n/a	No
<i>Amphipoea oculea</i>	Ear Moth	A	No	n/a	No
<i>Amphipyra tragopoginis</i>	Mouse Moth	E	No	n/a	No
<i>Anchoscelis helvola</i>	Flounced Chestnut	A	No	n/a	No
<i>Anchoscelis litura</i>	Brown-spot Pinion	A	No	n/a	No
<i>Apamea anceps</i>	Large Nutmeg	A	No	n/a	No
<i>Apamea remissa</i>	Dusky Brocade	A	No	n/a	No
<i>Apatura iris</i>	Purple Emperor	A	No	n/a	No
<i>Aplasta ononaria</i>	Rest Harrow	G	No	n/a	No
<i>Aporophyla lutulenta</i>	Deep-brown Dart	A	No	n/a	No
<i>Arctia caja</i>	Garden Tiger	A	No	n/a	No
<i>Aricia agestis</i>	Brown Argus (Peak District race)	D	Yes	Yes	No
<i>Asteroscopus sphinx</i>	Sprawler	A	No	n/a	No
<i>Atethmia centrigo</i>	Centre-barred Sallow	D	Yes	No	No
<i>Brachylomia viminalis</i>	Minor Shoulder-knot	A	No	n/a	No
<i>Callophrys rubi</i>	Green Hairstreak	B	Yes	Yes	No
<i>Caradrina morpheus</i>	Mottled Rustic	A	No	n/a	No
<i>Celaena haworthii</i>	Haworth's Minor	A	No	n/a	No
<i>Ceramica pisi</i>	Broom Moth	A	No	n/a	No
<i>Chesias legatella</i>	The Streak	A	No	n/a	No
<i>Chiasmia clathrata</i>	Latticed Heath	B	Yes	Yes	No
<i>Cirrhia gilvago</i>	Dusky-lemon Sallow	E	No	n/a	No

<i>Cirrhia icteritia</i>	The Sallow	A	No	n/a	No
<i>Coenonympha pamphilus</i>	Small Heath	B	Yes	Yes	No
<i>Cosmia diffinis</i>	White-spotted Pinion	B	Yes	N	No
<i>Cossus cossus</i>	Goat Moth	A	No	n/a	No
<i>Cupido minimus</i>	Small Blue	E	No	n/a	No
<i>Cymatophorina diluta</i>	Oak Lutestring	A	No	n/a	No
<i>Dasypolia templi</i>	Brindled Ochre	A	No	n/a	No
<i>Diarsia rubi</i>	Small Square-spot	A	No	n/a	No
<i>Diloba caeruleocephala</i>	Figure of Eight	A	No	n/a	No
<i>Ecliptopera silaceata</i>	Small Phoenix	A	No	n/a	No
<i>Ennomos erosaria</i>	September Thorn	A	No	n/a	No
<i>Ennomos fuscantaria</i>	Dusky Thorn	A	No	n/a	No
<i>Ennomos quercinaria</i>	August Thorn	A	No	n/a	No
<i>Entephria caesiata</i>	Grey Mountain Carpet	A	No	n/a	No
<i>Epirrhoe galiata</i>	Galium Carpet	A	No	n/a	No
<i>Erynnis tages</i>	Dingy Skipper	B	Yes	Yes	No
<i>Ethmia quadrillella</i>	Comfrey Ermel (a micro moth)	A	No	n/a	No
<i>Eugnorisma glareosa</i>	Autumnal Rustic	A	No	n/a	No
<i>Eulithis mellinata</i>	Spinach	B	Yes	No	No
<i>Eupithecia egenaria</i>	Pauper Pug	B	Yes	No	No
<i>Eupithecia lariciata</i>	Larch Pug	A	No	n/a	No
<i>Eupithecia linariata</i>	Toadflax Pug	A	No	n/a	No
<i>Euxoa nigricans</i>	Garden Dart	A	No	n/a	No
<i>Graphiphora augur</i>	Double Dart	A	No	n/a	No
<i>Helotropha leucostigma</i>	Crescent	A	No	n/a	No
<i>Hemistola chrysoprasaria</i>	Small Emerald	A	No	n/a	No
<i>Hepialus humuli</i>	Ghost Moth	A	No	n/a	No
<i>Hoplodrina blanda</i>	Rustic	A	No	n/a	No
<i>Hydraecia micacea</i>	Rosy Rustic	A	No	n/a	No
<i>Lasiommata megera</i>	Wall	A	No	n/a	No
<i>Leucania comma</i>	Shoulder-striped Wainscot	A	No	n/a	No
<i>Limenitis camilla</i>	White Admiral	E	No	n/a	No
<i>Litoligia literosa</i>	Rosy Minor	A	No	n/a	No
<i>Lycia hirtaria</i>	Brindled Beauty	A	No	n/a	No

<i>Lygephila pastinum</i>	Blackneck	A	No	n/a	No
<i>Macaria wauaria</i>	The V-moth	B	Yes	No	No
<i>Malacosoma neustria</i>	Lackey	A	No	n/a	No
<i>Martania taeniata</i>	Barred Carpet	B	Yes	No	No
<i>Melanchra persicariae</i>	Dot Moth	A	No	n/a	No
<i>Melanthia procellata</i>	Pretty Chalk Carpet	E	No	n/a	No
<i>Mniotype adusta</i>	Dark Brocade	A	No	n/a	No
<i>Mompha jurassicella</i>	A micro moth	E	No	n/a	No
<i>Orthonama vittata</i>	Oblique Carpet	A	No	n/a	No
<i>Orthosia gracilis</i>	Powdered Quaker	A	No	n/a	No
<i>Pelurga comitata</i>	Dark Spinach	B	Yes	No	No
<i>Perizoma albulata albulata</i>	Grass Rivulet	B	Yes	Yes	No
<i>Polychrysis moneta</i>	Golden Plusia	B	Yes	No	No
<i>Pyrausta cingulata</i>	Siver-barred Sable	B	Yes	Yes	No
<i>Pyrgus malvae</i>	Grizzled Skipper	D	Yes	Yes	No
<i>Rheumaptera hastata</i>	Argent & Sable	B	Yes	Yes	No
<i>Rhizedra lutosa</i>	Large Wainscot	A	No	n/a	No
<i>Satyrrium w-album</i>	White-letter Hairstreak	D	Yes	No	Yes
<i>Scopula marginepunctata</i>	Mullein Wave	A	No	n/a	No
<i>Scotopteryx bipunctaria cretata</i>	Chalk Carpet	B	Yes	Yes	No
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	A	No	n/a	No
<i>Speyeria aglaja</i>	Dark Green Fritillary	B	Yes	Yes	No
<i>Spilosoma lubricipeda</i>	White Ermine	A	No	n/a	No
<i>Spilosoma lutea</i>	Buff Ermine	A	No	n/a	No
<i>Stilbia anomala</i>	Anomalous	A	No	n/a	No
<i>Synanthedon culiciformis</i>	Large Red-belted Clearwing	A	No	n/a	No
<i>Syngrapha interrogationis</i>	Scarce Silver Y	A	No	n/a	No
<i>Tholera cespitis</i>	Hedge Rustic	A	No	n/a	No
<i>Tholera decimalis</i>	Feathered Gothic	A	No	n/a	No
<i>Timandra comae</i>	Blood-vein	A	No	n/a	No
<i>Trichiura crataegi</i>	Pale Eggar	A	No	n/a	No

<i>Tyria jacobaeae</i>	Cinnabar	A	No	n/a	No
<i>Watsonalla binaria</i>	Oak Hook-tip	A	No	n/a	No
<i>Xanthorhoe decoloraria</i>	Red Carpet	A	No	n/a	No
<i>Xanthorhoe ferrugata</i>	Dark-barred Twin-spot Carpet	A	No	n/a	No
<i>Xestia agathina</i>	Heath Rustic	A	No	n/a	No
<i>Xestia castanea</i>	Neglected Rustic	A	No	n/a	No
Odonata (dragonflies and damselfies)					
<i>Coenagrion mercuriale</i>	Southern Damselfly	A	No	n/a	No
<i>Coenagrion pulchellum</i>	Variable Damselfly	A	No	n/a	No
<i>Ischnura pumilio</i>	Scarce Blue- tailed Damselfly	A	No	n/a	No
Plecoptera (Stoneflies)					
<i>Protonemura montana</i>	a stonefly	C	Yes	Yes	No
<i>Rhabdiopteryx acuminata</i>	a stonefly	A	No	n/a	No
Pulmonata (Mollusca)					
<i>Malacolimax tenellus</i>	Lemon slug	E	No	n/a	No
Trichoptera (Caddisflies)					
<i>Glossosoma intermedium</i>	Small Grey Sedge	A	No	n/a	No
<i>Zelothereses unitana</i>	Northern Grey Twist	E	No	n/a	No
Higher Plants					
<i>Allium oleraceum</i>	Field Garlic	A	No	n/a	No
<i>Anacamptis morio</i>	Green-winged Orchid	B	Yes	Yes	No
<i>Antennaria dioica</i>	Mountain Everlasting	B	Yes	Yes	No
<i>Anthemis cotula</i>	Stinking Chamomile	G	No	n/a	No
<i>Apium inundatum</i>	Lesser Marshwort	B	Yes	Yes	No
<i>Arctostaphylos uva-ursi</i>	Bearberry	B	Yes	No	No
<i>Baldellia ranunculoides</i>	Lesser Water- plantain	G	No	n/a	No
<i>Blysmus compressus</i>	Flat-sedge	A	No	n/a	No

<i>Bromopsis benekenii</i>	Lesser Hairy-brome	E	No	n/a	No
<i>Buglossoides arvensis</i>	Field Gromwell	D	Yes	Yes	No
<i>Callitriche truncata</i>	Short-leaved Water-starwort	A	No	n/a	No
<i>Campanula patula</i>	Spreading Bellflower	G	No	n/a	No
<i>Cardamine impatiens</i>	Narrow-leaved Bitter-cress	A	No	n/a	No
<i>Carex digitata</i>	Fingered Sedge	A	No	n/a	No
<i>Carex elata</i>	Tufted-sedge	G	No	n/a	No
<i>Carex ericetorum</i>	Rare Spring-sedge	B	Yes	Yes	No
<i>Carex montana</i>	Soft-leaved Sedge	B	Yes	Yes	No
<i>Carex ornithopoda</i>	Bird's-foot Sedge	A	No	n/a	No
<i>Carex vesicaria</i>	Bladder-sedge	A	No	n/a	No
<i>Catabrosa aquatica</i>	Whorl-grass	A	No	n/a	No
<i>Chenopodium bonus-henricus</i>	Good King Henry	B	Yes	Yes	No
<i>Clinopodium acinos</i>	Basil Thyme	B	Yes	Yes	No
<i>Comarum palustris</i>	Marsh Cinquefoil	B	Yes	Yes	No
<i>Cynoglossum officinale</i>	Hound's-tongue	B	Yes	Yes	No
<i>Dactylorhiza incarnata</i>	Early Marsh-orchid	A	No	n/a	No
<i>Dactylorhiza viridis</i>	Frog Orchid	B	Yes	Yes	No
<i>Daphne mezereum</i>	Mezereon	A	No	n/a	No
<i>Dianthus deltoides</i>	Maiden Pink	D	Yes	Yes	No
<i>Draba muralis</i>	Wall Whitlowgrass	A	No	n/a	No
<i>Dryopteris submontana</i>	Rigid Buckler-fern	E	No	n/a	No
<i>Eleocharis acicularis</i>	Needle Spike-rush	A	No	n/a	No
<i>Epipactis atrorubens</i>	Dark-red Helleborine	B	Yes	Yes	No
<i>Epipactis dunensis</i>	Dune Helleborine	E	No	n/a	No
<i>Epipactis palustris</i>	Marsh Helleborine	B	Yes	No	No
<i>Epipactis phyllanthes</i>	Green-flowered Helleborine	A	No	n/a	No
<i>Euphorbia exigua</i>	Dwarf Spurge	B	Yes	Yes	No

<i>Euphrasia officinalis</i>	Euphrasia officinalis	A	No	n/a	No
<i>Euphrasia officinalis</i> subsp. <i>anglica</i>	English Sticky Eyebright	A	No	n/a	No
<i>Euphrasia officinalis</i> subsp. <i>pratensis</i>	Rostkov's Eyebright	A	No	n/a	No
<i>Filago germanica</i>	Common Cudweed	A	No	n/a	No
<i>Galeopsis angustifolia</i>	Red Hemp-nettle	B	Yes	Yes	No
<i>Galeopsis speciosa</i>	Large-flowered Hemp-nettle	A	No	n/a	No
<i>Genista anglica</i>	Petty Whin	B	Yes	Yes	No
<i>Genista tinctoria</i>	Dyer's Greenweed	B	Yes	Yes	No
<i>Gentianella campestris</i>	Field Gentian	D	Yes	No	No
<i>Geranium sylvaticum</i>	Wood Crane's-bill	G	No	n/a	No
<i>Glebionis segetum</i>	Corn Marigold	G	No	n/a	No
<i>Groenlandia densa</i>	Opposite-leaved Pondweed	E	No	n/a	No
<i>Gymnocarpium robertianum</i>	Limestone Fern	B	Yes	Yes	No
<i>Helleborus foetidus</i>	Stinking Hellebore	A	No	n/a	No
<i>Hieracium brittanicum</i>	British Hawkweed	E	No	n/a	No
<i>Hieracium dalense</i> P.D.Sell	Dales Hawkweed	E	No	n/a	No
<i>Hieracium naviense</i>	Derby Hawkweed	E	No	n/a	No
<i>Hordelymus europaeus</i>	Wood Barley	A	No	n/a	No
<i>Hornungia petraea</i>	Hutchinsia	A	No	n/a	No
<i>Hottonia palustris</i>	Water-violet	B	Yes	Yes	No
<i>Hyoscyamus niger</i>	Henbane	B	Yes	No	No
<i>Hypericum montanum</i>	Pale St John's-wort	A	No	n/a	No
<i>Hypopitys monotropa</i>	Yellow Bird's-nest	A	No	n/a	No
<i>Jasione montana</i>	Sheep's-bit	A	No	n/a	No
<i>Juncus compressus</i>	Round-fruited Rush	A	No	n/a	No
<i>Lepidium latifolium</i>	Dittander	G	No	n/a	No
<i>Limosella aquatica</i>	Mudwort	A	No	n/a	No
<i>Linum perenne</i>	Perennial Flax	G	No	n/a	No

<i>Logfia minima</i>	Small Cudweed	E	No	n/a	No
<i>Luronium natans</i>	Floating Water-plantain	G	No	n/a	No
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	A	No	n/a	No
<i>Mentha pulegium</i>	Pennyroyal	G	No	n/a	No
<i>Myriophyllum verticillatum</i>	Whorled Water-milfoil	G	No	n/a	No
<i>Neotinea ustulata</i>	Burnt Orchid	B	Yes	Yes	No
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	A	No	n/a	No
<i>Nepeta cataria</i>	Cat-mint	G	No	n/a	No
<i>Noccaea caerulescens</i>	Alpine Penny-cress	B	Yes	Yes	No
<i>Oenanthe fistulosa</i>	Tubular Water-dropwort	A	No	n/a	No
<i>Omalotheca sylvatica</i>	Heath Cudweed	G	No	n/a	No
<i>Ononis spinosa</i>	Spiny Restharrow	A	No	n/a	No
<i>Ophrys insectifera</i>	Fly Orchid	B	Yes	Yes	No
<i>Parnassia palustris</i>	Grass-of-Parnassus	A	No	n/a	No
<i>Pedicularis palustris</i>	Marsh Lousewort	B	Yes	No	No
<i>Persicaria minor</i>	Small Water-pepper	G	No	n/a	No
<i>Pinguicula vulgaris</i>	Common Butterwort	A	No	n/a	No
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	B	Yes	Yes	No
<i>Polemonium caeruleum</i>	Jacob's-ladder	A	No	n/a	No
<i>Polygonatum odoratum</i>	Angular Solomon's-seal	A	No	n/a	No
<i>Populus nigra ssp. betulifolia</i>	Black Poplar	D	Yes	No	Yes
<i>Potamogeton alpinus</i>	Red Pondweed	E	No	n/a	No
<i>Potamogeton compressus</i>	Grass-wrack Pondweed	B	Yes	Yes	No
<i>Potamogeton friesii</i>	Flat-stalked Pondweed	G	No	n/a	No
<i>Potamogeton praelongus</i>	Long-stalked Pondweed	G	No	n/a	No

<i>Potentilla argentea</i>	Hoary Cinquefoil	B	Yes	Yes	No
<i>Potentilla crantzii</i>	Alpine Cinquefoil	A	No	n/a	No
<i>Potentilla verna</i>	Spring Cinquefoil	A	No	n/a	No
<i>Pyrola rotundifolia subsp. rotundifolia</i>	Round-leaved Wintergreen	G	No	n/a	No
<i>Ranunculus arvensis</i>	Corn Buttercup	G	No	n/a	No
<i>Ribes alpinum</i>	Mountain Currant	A	No	n/a	No
<i>Roemeria argemone</i>	Prickly Poppy	G	No	n/a	No
<i>Rubus durescens</i>	Rubus durescens	E	No	n/a	No
<i>Sabulina tenuifolia</i>	Fine-leaved Sandwort	E	No	n/a	No
<i>Sabulina verna</i>	Spring Sandwort	A	No	n/a	No
<i>Salix repens</i>	Creeping Willow	A	No	n/a	No
<i>Saxifraga hypnoides</i>	Mossy Saxifrage	A	No	n/a	No
<i>Scandix pecten-veneris</i>	Shepherd's-needle	G	No	n/a	No
<i>Scleranthus annuus</i>	Annual Knawel	G	No	n/a	No
<i>Sesleria caerulea</i>	Blue Moor-grass	A	No	n/a	No
<i>Silene nutans</i>	Nottingham Catchfly	A	No	n/a	No
<i>Sorbus rupicola</i>	Rock Whitebeam	B	Yes	No	No
<i>Sorbus torminalis</i>	Wild Service-tree	E	No	n/a	No
<i>Spergula arvensis</i>	Corn Spurrey	B	Yes	Yes	No
<i>Stachys arvensis</i>	Field Woundwort	B	Yes	Yes	No
<i>Stellaria palustris</i>	Marsh Stitchwort	G	No	n/a	No
<i>Teesdalia nudicaulis</i>	Shepherd's Cress	G	No	n/a	No
<i>Thelypteris palustris</i>	Marsh Fern	A	No	n/a	No
<i>Tilia platyphyllos</i>	Large-leaved Lime	A	No	n/a	No
<i>Trichomanes speciosum</i>	Killarney Fern	E	No	n/a	No
<i>Trifolium fragiferum</i>	Strawberry Clover	E	No	n/a	No

<i>Triglochin palustre</i>	Marsh Arrowgrass	A	No	n/a	No
<i>Trollius europaeus</i>	Globeflower	B	Yes	Yes	No
<i>Turritis glabra</i>	Tower Mustard	G	No	n/a	No
<i>Valeriana dioica</i>	Marsh Valerian	A	No	n/a	No
<i>Valerianella dentata</i>	Narrow-fruited Cornsalad	G	No	n/a	No
<i>Veronica scutellata</i>	Marsh Speedwell	A	No	n/a	No
<i>Vicia lutea</i>	Yellow Vetch	G	No	n/a	No
<i>Viola canina subsp. canina</i>	Heath Dog-violet	A	No	n/a	No
<i>Viola tricolor subsp. tricolor</i>	Wild Pansy	B	Yes	Yes	No
<i>Wahlenbergia hederacea</i>	Ivy-leaved Bellflower	A	No	n/a	No
Lower Plants - Bryophytes					
<i>Anomodon longifolius</i>	Long-leaved Tail-moss	B	Yes	No	No
<i>Conardia compacta</i>	Compact Feather-moss	B	Yes	No	No
<i>Didymodon tomaculosus</i>	Sausage Beard-moss	B	Yes	No	No
<i>Endogemma caespiticia</i>	Delicate Flapwort	B	Yes	No	No
<i>Seligeria brevifolia</i>	Dwarf Rock-Bristle	B	Yes	No	No
<i>Syntrichia princeps</i>	Brown Screw-moss	B	Yes	No	No
<i>Targionia hypophylla</i>	Orobus-seed Liverwort	B	Yes	No	No
<i>Tortula cernua</i>	Flamingo Moss	G	No	n/a	No
Fungi					
<i>Boletus aereus</i>	Bronze Bolete	E	No	n/a	No
<i>Boletus pinophilus</i>	Pine Bolete	E	No	n/a	No
<i>Clavaria zollingeri</i>	Violet Coral	B	Yes	Yes	No
<i>Cuphophyllus colemannianus</i>	Toasted Waxcap	B	Yes	Yes	No
<i>Cuphophyllus lacmus</i>	Grey Waxcap	B	Yes	Yes	No
<i>Cuphophyllus lepidopus</i>	Scalyfoot Waxcap	B	Yes	Yes	No
<i>Entoloma bloxamii (s.l.)</i>	Big Blue Pinkgill	B	Yes	Yes	No

<i>Entoloma griseocyaneum</i>	Felted Pinkgill	B	Yes	Yes	No
<i>Entoloma porphyrophaeum</i>	Lilac Pinkgill	A	No	n/a	No
<i>Entoloma prunuloides</i>	Mealy Pinkgill	B	Yes	Yes	No
<i>Gliophorus europerplexus</i>	Butterscotch Waxcap	B	Yes	Yes	No
<i>Gliophorus reginae</i>	Jubilee Waxcap	B	Yes	Yes	No
<i>Gloioxanthomyces vitellinus</i>	Glistening Waxcap	B	Yes	Yes	No
<i>Hygrocybe citrinovirens</i>	Citrine Waxcap	B	Yes	Yes	No
<i>Hygrocybe ingrata</i>	Dingy Waxcap	B	Yes	Yes	No
<i>Hygrocybe ovina</i>	Blushing Waxcap	B	Yes	Yes	No
<i>Hygrocybe punicea</i>	Crimson Waxcap	B	Yes	Yes	No
<i>Hygrocybe spadicea</i>	Date Waxcap	B	Yes	Yes	No
<i>Hygrocybe splendidissima</i>	Splendid Waxcap	B	Yes	Yes	No
<i>Lanmaoa fragrans</i>	Fragrant Bolete	A	No	n/a	No
<i>Leccinum duriusculum</i>	Slate Bolete	E	No	n/a	No
<i>Microglossum atropurpureum</i>	Dark Purple Earthtongue	B	Yes	Yes	No
<i>Microglossum olivaceum s.l.</i>	Olive Earthtongue	B	Yes	Yes	No
<i>Neohygrocybe nitrata</i>	Nitrous Waxcap	B	Yes	Yes	No
<i>Phylloporus pelletieri</i>	Golden-gilled bolete	A	No	n/a	No
<i>Piptoporus quercinus</i> (syn. <i>Buglossoporus quercinus</i> ; <i>B. pulvinus</i>)	Oak Polypore	B	Yes	No	No
<i>Podoscypha multizonata</i>	Zoned Rosette	B	Yes	No	No
<i>Porphyrellus porphyrosporus</i>	Dusky Bolete	E	No	n/a	No
<i>Porpolomopsis calyptriformis</i>	Pink Waxcap	B	Yes	No	No
<i>Pseudotracheloma metapodium</i>	Mealy Meadowcap	B	Yes	No	No
<i>Rhodotus palmatus</i>	Wrinkled Peach	B	Yes	No	No

<i>Strobilomyces strobilaceus</i>	Old Man of the Woods	E	No	n/a	No
<i>Tremellodendropsis tuberosa</i>	Ashen Coral	B	Yes	No	No
<i>Trichoglossum walteri</i>	Short-spored Earthtongue	E	Yes	Yes	No
Lichens					
<i>Anaptychia ciliaris</i>	Eagle's Claws	D	Yes	No	No
<i>Cladonia luteoalba</i>		A	No	n/a	No
<i>Fuscidea austera</i>		B	Yes	No	No
<i>Hertelidea botryosa</i>		B	Yes	Yes	No
<i>Lecanora campestris subsp. dolomitica</i>		A	No	n/a	No
<i>Lecanora impudens</i>		B	Yes	Yes	No
<i>Lecanora sublivescens</i>		B	Yes	Yes	No
<i>Thalloidima sedifolium (Toninia sedifolia)</i>		B	No	n/a	No
Birds					
<i>Acanthis cabaret</i>	Lesser Redpoll	A	No	n/a	No
<i>Accipiter gentilis</i>	Goshawk	A	No	n/a	No
<i>Accipiter nisus</i>	Eurasian Sparrowhawk	A	No	n/a	No
<i>Actitis hypoleucos</i>	Common Sandpiper	A	No	n/a	No
<i>Alauda arvensis</i>	Skylark	B	Yes	Yes	No
<i>Alcedo atthis</i>	Kingfisher	C	Yes	Yes	No
<i>Anthus trivialis</i>	Tree Pipit	B	Yes	Yes	No
<i>Apus apus</i>	Swift	D	Yes	no	No
<i>Asio flammeus</i>	Short-eared Owl	B	Yes	Yes	No
<i>Asio otus</i>	Long-eared Owl	A	No	n/a	No
<i>Aythya ferina</i>	Pochard	A	No	n/a	No
<i>Aythya marila</i>	Scaup	A	No	n/a	No
<i>Botaurus stellaris</i>	Bittern	B	Yes	Yes	No
<i>Bucephala clangula</i>	Goldeneye	A	No	n/a	No
<i>Calidris alpina</i>	Dunlin	B	Yes	no	No
<i>Caprimulgus europaeus</i>	Nightjar	B	Yes	Yes	No
<i>Charadrius dubius</i>	Little Ringed Plover	B	Yes	Yes	No
<i>Charadrius hiaticula</i>	Ringed Plover	A	No	n/a	No
<i>Chloris chloris</i>	Greenfinch	D	Yes	Yes	No
<i>Cinclus cinclus</i>	Dipper	C	Yes	no	No

<i>Circus aeruginosus</i>	Marsh Harrier	A	No	n/a	No
<i>Circus cyaneus</i>	Hen Harrier	D	Yes	No	Yes
<i>Coccothraustes coccothraustes</i>	Hawfinch	A	No	n/a	No
<i>Corvus frugilegus</i>	Rook	A	No	n/a	No
<i>Coturnix coturnix</i>	Quail	B	Yes	Yes	No
<i>Crex crex</i>	Corncrake	D	Yes	No	No
<i>Cuculus canorus</i>	Cuckoo	A	No	n/a	No
<i>Delichon urbicum</i>	House Martin	D	Yes	No	No
<i>Dryobates minor</i>	Lesser Spotted Woodpecker	D	Yes	No	No
<i>Emberiza calandra</i>	Corn Bunting	D	Yes	Yes	No
<i>Emberiza citrinella</i>	Yellowhammer	B	Yes	Yes	No
<i>Emberiza schoeniclus</i>	Reed Bunting	A	No	n/a	No
<i>Falco columbarius</i>	Merlin	D	Yes	No	No
<i>Falco peregrinus</i>	Peregrine	D	No	No	No
<i>Falco subbuteo</i>	Hobby	A	Yes	No	No
<i>Ficedula hypoleuca</i>	Pied Flycatcher	B	Yes	No	No
<i>Gallinago gallinago</i>	Snipe	B	Yes	Yes	No
<i>Gallinula chloropus</i>	Moorhen	A	No	n/a	No
<i>Grus grus</i>	Crane	D	Yes	Yes	No
<i>Lanius collurio</i>	Red-backed Shrike	D	No	No	Yes
<i>Larus argentatus</i>	Herring Gull	A	No	n/a	No
<i>Linaria cannabina</i>	Linnet	B	Yes	Yes	No
<i>Linaria flavirostris</i>	Twite	D	Yes	Yes	No
<i>Locustella naevia</i>	Grasshopper Warbler	A	No	n/a	No
<i>Lullula arborea</i>	Woodlark	A	No	n/a	No
<i>Luscinia megarhynchos</i>	Nightingale	D	Yes	Yes	No
<i>Lyrurus tetrix</i>	Black Grouse	D	Yes	No	Yes
<i>Mergellus albellus</i>	Smew	A	No	n/a	No
<i>Mergus serrator</i>	Red-breasted Merganser	A	No	n/a	No
<i>Motacilla cinerea</i>	Grey Wagtail	A	No	n/a	No
<i>Motacilla flava</i>	Yellow Wagtail	B	Yes	Yes	No
<i>Muscicapa striata</i>	Spotted Flycatcher	B	Yes	Yes	No
<i>Numenius arquata</i>	Curlew	D	Yes	Yes	No
<i>Pandion haliaetus</i>	Osprey	D	Yes	No	No
<i>Passer domesticus</i>	House Sparrow	B	Yes	Yes	No
<i>Passer montanus</i>	Tree Sparrow	B	Yes	Yes	No
<i>Perdix perdix</i>	Grey Partridge	B	Yes	Yes	No

<i>Pernis apivorus</i>	Honey-buzzard	A	No	n/a	No
<i>Phoenicurus ochruros</i>	Black Redstart	A	No	n/a	No
<i>Phoenicurus phoenicurus</i>	Redstart	B	Yes	No	No
<i>Phylloscopus sibilatrix</i>	Wood Warbler	B	Yes	No	No
<i>Podiceps grisegena</i>	Red-necked Grebe	B	Yes	No	No
<i>Podiceps nigricollis</i>	Black-necked Grebe	B	Yes	No	No
<i>Poecile montanus</i>	Willow Tit	D	Yes	No	Yes
<i>Poecile palustris</i>	Marsh Tit	B	Yes	Yes	No
<i>Prunella modularis</i>	Dunnock	A	No	n/a	No
<i>Pyrrhula pyrrhula</i>	Bullfinch	A	No	n/a	No
<i>Saxicola rubetra</i>	Whinchat	B	Yes	No	No
<i>Scolopax rusticola</i>	Woodcock	B	Yes	Yes	No
<i>Spatula querquedula</i>	Garganey	A	No	n/a	No
<i>Sterna hirundo</i>	Common Tern	A	No	n/a	No
<i>Streptopelia turtur</i>	Turtle Dove	D	Yes	Yes	No
<i>Strix aluco</i>	Tawny Owl	A	No	n/a	No
<i>Sturnus vulgaris</i>	Starling	B	Yes	Yes	No
<i>Tadorna tadorna</i>	Shelduck	A	No	n/a	No
<i>Tringa ochropus</i>	Green Sandpiper	A	No	n/a	No
<i>Tringa totanus</i>	Redshank	B	Yes	Yes	No
<i>Turdus philomelos</i>	Song Thrush	A	No	n/a	No
<i>Turdus torquatus</i>	Ring Ouzel	D	Yes	No	Yes
<i>Turdus viscivorus</i>	Mistle Thrush	A	No	n/a	No
<i>Tyto alba</i>	Barn Owl	B	Yes	Yes	No
<i>Vanellus vanellus</i>	Lapwing	B	Yes	Yes	No
Mammals					
<i>Arvicola amphibius</i>	Water Vole	D	Yes	No	Yes
<i>Barbastella barbastellus</i>	Western Barbastelle	E	No	n/a	No
<i>Castor fiber</i>	Beaver	D	Yes	No	Yes
<i>Eptesicus serotinus</i>	Serotine	A	No	n/a	No
<i>Erinaceus europaeus</i>	Hedgehog	D	Yes	No	Yes
<i>Lepus europaeus</i>	Hare	B	Yes	Yes	No
<i>Lepus timidus</i>	Mountain Hare	B	Yes	No	No
<i>Lutra lutra</i>	Otter	C	Yes	Yes	No
<i>Martes martes</i>	Pine Marten	D	Yes	Yes	Yes
<i>Micromys minutus</i>	Harvest Mouse	E	No	n/a	No
<i>Muscardinus avellanarius</i>	Hazel Dormouse	D	Yes	Yes	No

<i>Nyctalus leisleri</i>	Leisler's Bat	B	Yes	Yes	Yes
<i>Nyctalus noctula</i>	Noctule Bat	A	No	n/a	No
<i>Pipistrellus nathusii</i>	Nathusius's Pipistrelle	E	No	n/a	No
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	E	No	n/a	No
<i>Plecotus auritus</i>	Brown Long-eared Bat	A	No	n/a	No
<i>Rhinolophus hipposideros</i>	Lesser Horseshoe Bat	E	No	n/a	No
Fish					
<i>Acipenser sturio</i>	Sturgeon	E	No	n/a	No
<i>Anguilla anguilla</i>	European Eel	D	Yes	No	No
<i>Cobitis taenia</i>	Spined Loach	C	Yes	No	No
<i>Lota lota</i>	Burbot	D	Yes	No	No
<i>Salmo salar</i>	Atlantic Salmon	D	Yes	No	No
<i>Salmo trutta</i>	Brown/Sea Trout	C	Yes	No	No
<i>Salmo trutta subsp. fario</i>	Brown Trout	C	Yes	No	No
Amphibians and Reptiles					
<i>Anguis fragilis</i>	Slow-worm	E	No	n/a	No
<i>Bufo bufo</i>	Common Toad	D	Yes	No	Yes
<i>Natrix helvetica</i>	Grass Snake	B	Yes	Yes	No
<i>Triturus cristatus</i>	Great Crested Newt	A	No	No	No
<i>Vipera berus</i>	Adder	D	Yes	No	Yes
<i>Zootoca vivipara</i>	Common Lizard	E	No	n/a	No

Appendix 3: LNRS Species and Assemblage Measures

Priority	Practical Measures
<p>Black Poplar</p> <p>Increase the population of black poplar through regeneration within Trent Valley. Where possible expand the range of Black Poplar into the Dove, Derwent and Erewash Valleys.</p>	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Identify, safeguard and monitor existing trees, bringing them into positive management, including control of pests and diseases • Map opportunities to expand and connect wet wooded habitat, including floodplain trees, and increase planting of black poplar in the mapped locations, using locally appropriate source stock, whilst seeking to improve the genetic variability in newly planted trees. • Register black poplar stands on Forest Reproductive Materials (FRM) register • Establish tree nurseries for the provision of local provenance trees taken from registered FRM sites
<p>White-clawed Crayfish</p> <p>Protect WCC by creating a network of ARK sites in Derbyshire</p>	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Survey watercourses to identify extant populations of White Clawed Crayfish and assess threats and options • Manage and monitor ARK sites to ensure translocated populations are maintained • Protect in-situ populations and prioritise their habitat needs by achieving consistent, steady flows of good or very good quality water. • Manage riverbanks to offer numerous natural or artificial 'refuges' which offer opportunities to hide from predators. • Take suitable effective actions to exclude American Signal Crayfish if effective techniques emerge <p>Identify new ARK sites and translocate WCC to new ARK sites</p>
<p>White-letter Hairstreak</p> <p>Increase the resilience and number of breeding populations of WLH</p>	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Identify suitable locations for the planting of disease resistant elm trees suited to the needs of WLH. • Establish nursery for disease resistant elm trees • Monitor the use of disease resistant elm trees by the butterflies to ensure colonies can be sustained throughout the lifecycle. • Retain existing elm trees and do not fell where possible • Allow Elm suckers to grow where they appear. • In areas where scrub or woods show evidence of Dutch Elm disease, coppice elms on a 7 – 14-year cycle.

	<ul style="list-style-type: none"> • Manage hedgerow shelterbelts that contain elm and avoid cutting edges where new elm suckers appear. • Connect habitats with hedgerows containing Wych Elm (<i>Ulmus glabra</i>) as a hedging plant and disease resistant elms as hedgerow trees. •
Willow Tit	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Restore and create wet woodlands with young birch, elder, willow and alder. • Retain and create a supply of deadwood, such as tall snags, stumps, fallen trees, within and around wet woodland and scrub • Create structural diversity and promote dense scrub growth near Willow Tit nesting sites through selective felling or the reintroduction of coppicing within damp woodlands. • To improve the stability of Willow Tit populations, link up suitable habitats by creating or retaining scrub lined river corridors and mature hedgerows.
Water Vole	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Identification, monitoring and safeguarding of key remaining population strongholds and breeding areas. • Reduce and where possible eradicate pressure from introduced predators (Mink) • Manage riverside banks, canals, ditches, and watercourses to create areas of sunny shallow water margins with bankside vegetation but avoid overshadowing of the water from scrub or trees. • Restore more natural riverbanks, in appropriate locations, and reduce invasive species. • Improve water quality by reducing point source and diffuse pollution. • Avoid trampling and intensive grazing along the watercourse edge.
Adder	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Ensure core sites are sympathetically managed for adder. • Safeguard key basking sites, maternal birthing sites and summer foraging areas¹ • Identify areas where adder could expand or disperse to and manage and enhance key habitat corridors. See attached restoration of range map

¹ **Migrations and Seasonal Patterns of Habitat Use in the Adder (*Vipera berus*): Implications for the Conservation and Management of Local Populations, Bauens D & Claus Katja.**
 Herpetological Conservation and Biology 2024 19(2):325–335.

	<ul style="list-style-type: none"> • Use controlled reintroduction from healthy populations to establish adders in previously occupied sites as necessary • Raise awareness about threats to adders. • Reduce disturbance to adder from recreation, grazing and other damaging management activities. • Identify measures to reduce the threat of fire.
Common Toad	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Identify and map breeding ponds and toad road crossing points • Improve signage for toad crossings • Ensure new development include measures such as dropped kerbs, amphibian ladders, toad tunnels and fencing for mitigating impacts on toads • Ensure new ponds are created to meet the needs of toads • Enhance habitat and connectivity around key ponds • Biosecurity to minimise and address risks of disease
Leisler's Bat	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Retain and conserve roost sites in buildings and mature trees wherever possible. • Install and monitor specified bat boxes in known locations to mitigate and encourage roost sites in across strategic areas. • Avoid felling mature trees, especially parkland trees where roosting opportunities are present. • Map distribution and roosts
Hedgehog	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Create hedgehog highways that connect green space and gardens within urban areas including gaps between new gardens in residential development • Restore and plant new hedgerows, scrub and grasslands in rural areas • Leave field margins and headlands • Encourage installation of hibernacula in gardens
Hen Harrier	<p>Bespoke measures: moorland measures cover habitat requirements, should be included but not deliverable as persecution out of scope of LNRS. But predator control is in scope and if this is the case persecution should also be in scope.</p>

Ring Ouzel	Bespoke measures: Reducing disturbance and recreational pressure Increasing scrub and small tree cover on moorland edge to create mosaics of moorland edge

Reintroductions	
The following species are included in the LNRS as they have been identified as potential reintroductions	
Beaver	Bespoke actions: <ul style="list-style-type: none"> • Undertake feasibility studies into the reintroduction of beaver to Trent/Derwent and other catchments • Raise awareness about the benefits of beaver reintroduction • Develop a plan for addressing concerns and negative impacts from beaver • Reintroduce beaver to the wild once Government approved.
Pine Marten	Bespoke actions: <ul style="list-style-type: none"> • Undertake a feasibility study into the reintroduction of pine marten in Derbyshire • Establish a network of partners and landowner supporters and stakeholders • Develop a reintroduction program for pine marten • Raise awareness about the benefits of pine marten reintroduction • Reintroduce pine marten to suitable areas within 5 years
Black Grouse	Bespoke actions: <ul style="list-style-type: none"> • Undertake a feasibility study into the reintroduction of black grouse in Derbyshire • Establish a network of partners and landowner supporters and stakeholders • Develop a reintroduction program for black grouse • Reintroduce black grouse to suitable areas within 5 years
Red-backed shrike	Bespoke actions: <ul style="list-style-type: none"> • Undertake a feasibility study into the reintroduction of red-backed shrike in Derbyshire • Establish a network of partners and landowner supporters and stakeholders • Develop a reintroduction program for red-backed shrike

	<ul style="list-style-type: none"> • Reintroduce red-backed shrike to suitable areas within 5 years if feasible
--	--

Species Habitat Assemblages	
1) Deadwood species assemblage (18 species)	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Survey key sites to establish an up-to-date baseline of species occurrence and range • Identify key features for deadwood invertebrates, fungi and lichens at key sites/landscapes • Retain mature and over-mature trees, standing and fallen deadwood within the key sites and in the surrounding countryside. • Create artificial rot holes to increase breeding opportunities for insects • Increase floristic diversity within parks and wood-pastures • Ensure supply of deadwood through tree regeneration, ring-barking younger trees where suitable.
2) Grassland fungi (20 species)	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Identification, safeguarding and monitoring of important remaining sites. • Landowner and land manager engagement and support. • Enhance and appropriately manage remaining semi-natural grasslands with fungi assemblages • Avoid use of pesticides, herbicides and fertilisers • Graze sites extensively but ensure short thatch free swards by autumn. • Showcase successful grassland management and encourage awareness of the value of grassland fungi
3) Threatened grassland flora and fauna (34 species)	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Identify and map extant locations for all threatened plants and insects • Ensure sympathetic habitat management at these locations • Identify threats • Seek opportunities to expand and increase abundance and range of species along corridors, stepping stone sites and newly created/enhanced sites • Reintroduce plant species where appropriate e.g. Maiden Pink. • Monitor species assemblage

<p>4) Threatened wetland flora and fauna (24 species)</p>	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Confirm current distribution and abundance for wetland species • Ensure monitoring is in place for key species • Create new wetlands in strategic locations to benefit these species • Improve/protect water quality and habitat to benefit key species (stonefly, mayfly, crane fly) • Ensure rivers are navigable for migratory fish species
<p>5) Farmland wader assemblage (curlew, snipe, lapwing, redshank)</p>	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Encourage extensive grazing and avoid cutting and grazing during nesting periods • Encourage habitat heterogeneity for moorland edge and grassland and restore ditches and wet features including scrapes within fields • Discourage intensification and drainage
<p>6) Mixed farming bird and plant assemblage (26 species)</p>	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Ensure late autumn, winter and early spring seed sources are available • Avoid mowing or crop harvesting during periods where nests will be impacted. • Grow and maintain multi-species cover crops, and cut later in the year, to provide food and cover over the winter. • Avoid / minimise use of insecticides on grassland and crops. • Set aside dedicated patches of unmanaged or uncropped areas with tall grasses, along field boundaries and margins, field corners or less productive areas, particularly where they will connect. • Leave arable margins • Encourage organic and regenerative farming methods. • Install nestboxes for target species • Restore / create native hedgerow / scrub habitat • Supplementary feeding stations over the winter (targeted). • Create or restore farm ponds
<p>7) Landscape mosaic assemblage (22 species)</p>	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Create large areas of scrub, open grassland and wetlands and manage through naturalistic grazing and natural processes to benefit existing species and encourage colonisation from outside the County.

Assemblages and species lists

1) Deadwood specialists

Deadwood species assemblage (18 species)	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Survey key sites to establish an up-to-date baseline of species occurrence and range • Identify key features for deadwood invertebrates, fungi and lichens at key sites/landscapes • Retain mature and over-mature trees, standing and fallen deadwood within the key sites and in the surrounding countryside. • Create artificial rot holes to increase breeding opportunities for insects • Increase floristic diversity within parks and wood-pastures • Ensure supply of deadwood through tree regeneration, ring-barking younger trees where suitable.
--	---

Taxa	Common name	Organism description	Conservation status	Notes
<i>Aromia moschata</i>	Musk Beetle	Coleoptera (beetle)	Nationally Scarce	Associated with veteran and pollarded willows in Trent Valley.
<i>Cteniphora pectinicornis</i>	Tipulidae (Craneflies)	Diptera (flies)	Nationally Notable / Scarce	Miller's Dale, Broadoak Wood (nr Alport Heights). Larvae in decaying wood in broad-leaved woodland
<i>Corticeus unicolor</i>	a darkling beetle	Coleoptera (Beetles)	Nationally Scarce	Underneath young bracket fungus and behind bark. Calke Park, Derbyshire. Potentially benefit from measures to promote, create and protected deadwood habitats. Derbyshire also Walton Woods probably more widespread.

Dasytes virens	a soft-winged flower beetle	Coleoptera (Beetles)	Near Threatened	9 records but outside of normal range. Records need checking (none on the NBN). Larvae predate larvae of other saproxylic insects and pupate under bark. In the UK it is very local and generally scarce in south east and Central England and South Wales.
Mallota cimbiciformis	Rot-hole dronefly (a hoverfly)	Diptera (flies)	Nationally Scarce	This is a woodland and parkland species associated with over-mature trees with water-filled rot-holes. The larva develops in water-filled rot-holes in trees such as Beech and Horse Chestnut. Only recorded from Calke Park in Derbyshire.
Mycetochara humeralis	a darkling beetle	Coleoptera (beetle)	Nationally Scarce	Calke Park, Derbyshire 1986 - 1 record (DaNES). Also recorded from Kedleston on NBN.
Mycetophagus populi	Tenebrionoidea	Coleoptera (Beetles)	GB RL - VU, Nationally Rare	Calke Park, Derbyshire. Invertebrate Site Register. They usually occur under loose bark and among decaying damp wood in hollows on stumps, standing and fallen trunks and fallen branches and they sometimes appear at sap in the spring. They have been recorded from a wide range of trees including elm (Ulmus L.), poplars (Populus L. including P. tremula L.), willows (Salix L.), alder (Alnus glutinosa (L.) and

				A. incana L.), sycamore (Acer pseudoplatinus L.), oak (Quercus L.) and various cultivated fruit trees,
Nemozoma elongatum	Trogossitidae	Coleoptera (Beetles)	GB RL - VU, RDB3	Calke Park, Derbyshire. Invertebrate Site Register.
Pocota personata	A hoverfly	Diptera (flies)	Nationally Scarce	The larva is found in rot-holes in various trees, but most frequently Beech Fagus sylvatica and Poplar Populus sp. Larval development probably takes a number of years and larvae of different size classes can be found together in the same rot-hole. Adults are good bumblebee mimics and are seldom found, but can sometimes be seen visiting flowers, especially Hawthorn Crataegus sp. blossom, near larval habitat. They have also been observed hovering about the entrances to rot-holes. Ancient trees, rot holes, Haddon Estate. Project running. Project at Haddon Hall and records from 2004 at Kedleston and Calke.
Psilota anthracina	a hoverfly	Diptera (flies)	Nationally Scarce	Ancient trees, Calke Park, Derbyshire. Larve probably associated with rotting wood, root holes etc.

Rhipidia (Limonia) uniseriata	Tipulidae (Craneflies)	Diptera (flies)	RDB3 (awaiting further assessment)	Scattered records through central and southern Derbyshire. Associated with rot holes and large rotting logs.
Rhizophagus aeneus	Rhizophagidae	Coleoptera (Beetles)	Nationally Rare	Possibly just one site in Derbyshire - Calke Park. Lives under bark and feed on bark beetles.
Saperda scalaris	Ladder-marked longhorn beetle	Coleoptera (Beetles)	Nationally Notable A	Deadwood species
Tanyptera nigricornis	Tipulidae (Craneflies)	Diptera (flies)	Status unclear. But rare in Derbyshire.	Very rare in Derbyshire with just a handful of sites. Deadwood specialist. Reported as widespread by Stubbs (2021).
Piptoporus quercinus (syn. Buglossoporus quercinus; B. pulvinus)	Oak Polypore	Fungi	RL - VU	Very Rare in Derbyshire, known from three parkland sites (Chatsworth, Kedleston and Calke Park). Declining.
Hertelidea botryosa		Lichen	RL - NT	Occurs on lying oak 'hulks'. Only non-Scottish records from Chatsworth and Sherwood Forest. Vulnerable to shading by re-planting around the hulks and to development of vigorous herbs and shrubs.
Lecanora impudens		Lichen	Nationally Rare	Occurs on the trunks of basic barked trees. The UK records, except 2, are from Derbyshire (1 in Notts and 1 in Hampshire). Vulnerable to shading by herbs and shrubs and ivy growth on wayside and woodland-edge trees.

Lecanora sublivescens		Lichen	RL - NT	Occurs on bark of basic barked parkland / wood pasture veteran trees. Haddon Park holds the most significant concentration of this lichen away from its more southerly distribution.
-----------------------	--	--------	---------	--

2) Grassland fungi assemblage

Grassland fungi (20 species)	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Identification, safeguarding and monitoring of important remaining sites. • Landowner and land manager engagement and support. • Enhance and appropriately manage remaining semi-natural grasslands with fungi assemblages • Avoid use of pesticides, herbicides and fertilisers • Graze sites extensively but ensure short thatch free swards by autumn. • Showcase successful grassland management and encourage awareness of the value of grassland fungi
------------------------------	---

Taxa	Common name	Conservation Status	Comments
Clavaria zollingeri	Violet Coral	VU (European)	Very Rare and decreasing. Edale Vallley, Alport Dale (NT), Longclough (DWT). Low nutrient grassland.
Cuphophyllus colemannianus	Toasted Waxcap	VU (European)	Decreasing and rare with only two sites in Derbyshire. Longshaw (NT) Harpur Hill. Low nutrient grassland.
Cuphophyllus lacmus	Grey Waxcap	VU (European)	Uncommon and decreasing. Alport Dale (NT). Low nutrient grassland.

Cuphophyllus lepidopus	Scalyfoot Waxcap	VU (European)	Very Rare and declining. Alport Dle (NT). Low nutrient grassland.
Entoloma bloxamii (s.l.)	Big Blue Pinkgill	Annexe	Very rare only two sites known in Derbyshire Longshaw Estate and Crich Chase Meadows. As complex E bloxamii s.l. -Alport Dale (NT), Derwent Village (NT), Dove Dale(NT), Bradwell Dale. Low nutrient grassland.
Entoloma griseocyaneum	Felted Pinkgill	VU (European)	Rare. In Derbyshire only two recent records (Longshaw Estate and Mam Tor Castleton). Declining. Low nutrient grassland.
Entoloma prunuloides	Mealy Pinkgill	VU (European)	Rare. In Derbyshire only three recent records (Longshaw, Alport Valley and Forbes Hole). Declining. Low nutrient grassland.
Gliophorus euoperplexus	Butterscotch Waxcap	VU (European)	Very rare and declining. Ashop Valley (NT), Longclough (DWT). Low nutrient grassland.
Gliophorus reginae	Jubilee Waxcap	VU (European)	Very rare and declining. Alport Dale (NT), Ashop Valley, Longclough (DWT). Low nutrient grassland.
Gloioxanthomyces vitellinus	Glistening Waxcap	EN (European)	Very Rare and declining. In Derbyshire only a few recent records (Longshaw, Hurst Clough, Bamford). Edale Valley, Ashop Valley(NT), Ladybower Reservoir. Low nutrient grassland.
Hygrocybe citrinovirens	Citrine Waxcap	VU (European)	Rare / Declining. In Derbyshire known from a handful of sites Longshaw, Alport Valley, Ashop Valley,, Edale Valley, Baslow,

			Chatsworth and Shipley Country Park). Low nutrient grassland.
<i>Hygrocybe ingrata</i>	Dingy Waxcap	VU (European)	Very Rare. In Derbyshire, occurs at Edale, Alport Dale (NT), Derwent Reservoir (NT). Declining. Low nutrient grassland.
<i>Hygrocybe ovina</i>	Blushing Waxcap	VU (European)	Very rare / declining. Ladybower Reservoir (NT), Longclough (DWT), Harpur Hill. Low nutrient grassland.
<i>Hygrocybe punicea</i>	Crimson Waxcap	VU (European)	Uncommon/Local. Declining. Several sites in Peak District. Low nutrient grassland.
<i>Hygrocybe spadicea</i>	Date Waxcap	VU (European)	Very rare. Declining. Ashop Valley (NT), Derwent Reservoir (NT), Bradwell Dale, Wetton Mill (NT). Low nutrient grassland.
<i>Hygrocybe splendidissima</i>	Splendid Waxcap	VU (European)	Rare. In Derbyshire, only known from Alport Dale (NT), Ashop Valley (NT), Ladybower Reservoir, Longshaw and Crich Chase. Declining. Low nutrient grassland.
<i>Microglossum atropurpureum</i>	Dark Purple Earthtongue	VU (European)	Very Rare. Declining. Alport Dale (NT), Ashop Valley (NT), Longclough DWT. Low nutrient grassland.
<i>Neohygrocybe nitrata</i>	Nitrous Waxcap	VU (European)	Rare. Declining. Alport Dale (NT), Longshaw (NT). Low nutrient grassland.
<i>Porpolomopsis calyptriformis</i>	Pink Waxcap	VU (European)	Uncommon/Local. Declining. Alport Dale (NT) Longshaw (NT) Ladybower Reservoir etc. Low nutrient grassland.

Pseudotricholoma metapodium	Mealy Meadowcap	EN (European)	Very rare. Declining. Alport Dale (NT), Edale Valley. Low nutrient grassland.
-----------------------------	-----------------	---------------	---

3) Threatened grassland flowers and insects

Threatened grassland flora and fauna (34 species)	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Identify and map extant locations for all threatened plants and insects • Ensure sympathetic habitat management at these locations • Identify threats • Seek opportunities to expand and increase abundance and range of species along corridors, stepping stone sites and newly created/enhanced sites • Reintroduce plant species where appropriate e.g. Maiden Pink. • Monitor species assemblage
---	--

Taxa	Common name	Conservation status	Organism description	Notes
Adscita geryon	Cistus Forester	Nationally Scarce	Lepidoptera - moth	White Peak supports nationally significant populations.
Adscita statices	Forester	BAP, S41	Lepidoptera - moth	Significant decline nationally and in Derbyshire. Tends to be on lowland sites that are extensively managed with good grassland diversity and structure.
Chiasmia clathrata	Latticed Heath	BAP, S41, RL - NT	Lepidoptera - moth	Localised in White Peak grasslands, quarries, and brownfield sites in lowland Derbyshire as well as some grasslands.

Coenonympha pamphilus	Small Heath	BAP, RL-VU, S41	Lepidoptera - butterfly	43% decline in distribution since 1976. Loss of suitable grasslands and habitat fragmentation. Stable in last 10 years. Large fluctuations. In abundance from year to year. Parts of Derbyshire are a stronghold for the species.
Erynnis tages	Dingy Skipper	BAP, RL-NT, S41	Lepidoptera - butterfly	Quite widespread in White Peak and more scattered in lowlands usually associated with brownfield sites. Stable in Peak District but still threatened in lowland Derbyshire. Needs active management of brownfield sites if key populations are to persist.
Lampyris noctiluca	Glow-worm	NT in Europe, Local, Iconic	Coleoptera (Beetles)	Decreasing across range. Some work has been undertaken in Derbyshire to expand the range through targeted introductions.
Lasius flavus	Yellow Meadow Ant	Iconic	Hymenoptera (Bees, Wasps and Ants)	Yellow meadow ants can form significant landscape features ('antscapes'). These features deserve protection. They are susceptible to levelling in the interests of grassland management and to undergrazing. They are best managed by extensive grazing.
Leptarthrus brevirostris	Slender-footed Robberfly, Asilidae (Robberflies)	Iconic	Diptera (flies)	Restricted to White Peak where it is considered to be an iconic species. However, the species is not threatened nationally.
Meloe violaceus	Violet Oil-beetle	BAP, S41, Nationally Scarce	Coleoptera (Beetles)	Very restricted distribution in Dark Peak around Ladybower Reservoir. Associated with acid grassland / dwarf shrub mosaic on the moorland edge.

Perizoma albulata albulata	Grass Rivulet	BAP, S41	Lepidoptera - moth	97% decline nationally
Pyrgus malvae	Grizzled Skipper	BAP, RL-VU, S41	Lepidoptera - butterfly	Considered to be extinct in County, but one unofficial introduced population is thought to occur on the Magnesian Limestone. Another reintroduction at Ticknall Limeyards failed. Protection of suitable sites for this species and possible reintroduction desirable.
Scotopteryx bipunctaria cretata	Chalk Carpet	BAP, S41	Lepidoptera - moth	Limestone grassland in the dales of the White Peak. Derbyshire is the main stronghold for the northern population.
Speyeria aglaja	Dark Green Fritillary	RL - NT	Lepidoptera - butterfly	33% decline in occurrence in GB. Some sites may need to be managed to avoid local declines e.g. Abney Clough, Hopton Quarry.
Aricia agestis	Brown Argus (Peak District race)	Iconic	Lepidoptera - butterfly	A unique race of Brown argus butterfly only found in the Peak District. The foodplant (common rock-rose) differs from the Brown argus found in lowland Derbyshire.
Callophrys rubi	Green Hairstreak	Iconic	Lepidoptera - butterfly	Moorlands and calcareous grasslands and brownfield. Locally abundant in parts of the Peak District. Very rare in lowland Derbyshire. Iconic species for the dales and moorlands.
Timarcha goettingensis	Lesser Bloody-nosed beetle	Iconic	Coleoptera (Beetles)	White Peak supports important regional populations, and the beetle is listed as an iconic species for the Peak District.
Pyrausta cingulata	Siver-barred Sable	Nationally Scarce	Lepidoptera - moth	Occurs at a few locations in White Peak e.g. Hartington Meadows and Longstone Edge. Generally local to chalky / limestone areas.
Anacamptis morio	Green-winged Orchid	CITES-B, DRDL, RL-NT	Higher Plant	Very rare - only one recent location. However, more

				common further south in England.
<i>Antennaria dioica</i>	Mountain Everlasting	DRDL, RL-NT	Higher Plant	Marked decline in lowland regions of Britain. Requires very infertile, free-draining basic to mildly acidic soils. Restricted to a few locations in White Peak such as Cressbrook Dale and north of Brassington.
<i>Carex ericetorum</i>	Rare Spring-sedge	BAP, DRDL, RDB-NS, RL-NT, RL-VU, S41	Higher Plant	Only found at Hollinhill and Markland Grips SSSI on the Southern Magnesian Limestone.
<i>Carex montana</i>	Soft-leaved Sedge	DRDL, RDB-NS	Higher Plant	Only found at Hollinhill and Markland Grips SSSI on the Southern Magnesian Limestone
<i>Cynoglossum officinale</i>	Hound's-tongue	DRDL, RL-NT	Higher Plant	Only one location Calke Park, though formerly more widespread.
<i>Dactylorhiza viridis</i>	Frog Orchid	BAP, DRDL, RL-NT, RL-VU, S41	Higher Plant	Declining at GB level especially in central England / East Anglia. Possibly 'most rapidly declining orchid in GB' (Plant Atlas 2020). Should be sustained in Dales with management but some sites are scrubbing up and further losses possible.
<i>Dianthus deltoides</i>	Maiden Pink	DRDL, RDB-NS, RL-NT	Higher Plant	Rare only in White Peak - recently introduced to several sites. Many colonies suffer from overgrazing and nutrient enrichment, or under grazing and scrub encroachment. Derbyshire colonies contribute significantly to the UK.
<i>Epipactis atrorubens</i>	Dark-red Helleborine	DRDL, RDB-NS	Higher Plant	Declining in Derbyshire, though more stable at a GB level. Occurs in scrubby grassland in several dales.
<i>Genista anglica</i>	Petty Whin	DRDL, RL-NT	Higher Plant	Very rare undershrub recorded recently in 4 or 5 sites in Dark Peak and Mercaston Marsh. Dramatic decline nationally in lowland

				regions of England in particular.
<i>Genista tinctoria</i>	Dyer's Greenweed	DRDL, RL-NT	Higher Plant	Declined considerably in the second half of the 20th century, mainly through the destruction or agricultural improvement of old meadows and pastures. Undergrazing or neglect, and also overgrazing by sheep, have contributed to further losses since 2000, and it is now a rare sight in many counties, and possibly only abundant in unimproved chalk grasslands in southern England. Locally declining in Derbyshire with at least two lowland sites now unlikely to support the species or threatened.
<i>Neotinea ustulata</i>	Burnt Orchid	BAP, CITES-B, DRDL, RDB-NS, RL-EN, RL-NT, S41	Higher Plant	Very rare or localised now at GB level having undergone spectacular national decline. Middleton Moor is possibly the highest GB site and the population there has declined in recent years due to problems with management.
<i>Noccaea caerulescens</i>	Alpine Penny-cress	DRDL, RDB-NS	Higher Plant	Rare with a restricted distribution on lead mine workings. Threatened by decline and loss of lead spoil substrates.
<i>Ophrys insectifera</i>	Fly Orchid	BAP, DRDL, RL-NT, RL-VU, S41	Higher Plant	Extreme decline nationally especially in East Anglia, central England and East Midlands. 17 out of 25 10km squares in East Midlands no longer support this species. Very rare in Derbyshire with possibly only one viable population at Hopton Quarry.
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	DRDL, RL-NT	Higher Plant	Rare with a scatter of sites across the Peak District and Peak Fringe. Threatened by

				changes in management and agricultural improvement.
Trollius europaeus	Globeflower	DRDL	Higher Plant	A perennial herb of cool, damp habitats, including hay meadows, wet mountain pasture, streamsides and riverbanks, lake margins, and diverse open woodland and rock ledge habitats. It prefers nutrient-poor, basic soils, and is often associated with limestone. In Derbyshire it is at the edge of its range and Locally Declining. More stable further north and west. Iconic species for the limestone dales.
Clinopodium acinos	Basil Thyme	BAP, DRDL, RL-NT, RL-VU, S41	Higher Plant	Very rare. Rock outcrops and arable.
Gymnocarpium robertianum	Limestone Fern	DRDL, RDB-NS	Higher Plant	Occurs in limestone dales on rocky / scree slopes within calcareous grassland.

4) Threatened wetland flora and fauna

Threatened wetland flora and fauna (24 species)	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Confirm current distribution and abundance for wetland species • Ensure monitoring is in place for key species • Create new wetlands in strategic locations to benefit these species • Improve/protect water quality and habitat to benefit key species (stonefly, mayfly, crane fly) • Ensure rivers are navigable for migratory fish species
---	--

Hydrochus elongatus	a water beetle	GB – RL-NT	Coleoptera (Beetles)	Marshy pond edges - Shipley CP (Parkers Pond) and Mapperley area. Potentially this species might benefit from the creation of new ponds in the Erewash and Trent valleys.
Protonemura montana	a stonefly	Nationally Scarce	Plecoptera (Stoneflies)	Derbyshire appears to be important for this species in England. Records from River Wye.
Rhipidia (Limonia) uniseriata	Tipulidae (Craneflies)	RDB3 (but current status unclear)	Diptera (flies)	Scattered records through central and southern Derbyshire. Associated with rot holes and large rotting logs.
Orimarga virgo	Reddish Narrow-wing Crane (Craneflies)	Data deficient or unassessed. Very rare in Derbyshire.	Diptera (flies)	Dovedale only. Associated with seepages. Water quality.
Calliphora loewi	Long-horned Bluebottle	Nationally Notable, Iconic species	Diptera (flies)	Associated with upland Sphagnum bogs and breeds in carrion. Recorded at Crowden Clough, Fox Clough and Edale Moor.
Siphonurus armatus	A mayfly	Nationally Rare	Ephemeroptera (Mayflies)	2 records held by DBRC, several for general area on NBN. Nymphs of this species typically live in the pools and margins of rivers and streams, or in standing waters. The large nymphs are good swimmers and typically swim in short, darting bursts. They feed by gathering or collecting fine particulate organic detritus from the sediment. There is probably one generation a year, which overwinters as eggs (Landa, 1968) and emerges between May and August (Elliott and Humpesch, 1989). Emergence of the adults

				typically takes place during daylight hours and males of this species can be found swarming at dawn and dusk.
<i>Dactylolabis sexmaculata</i>	Tipulidae (Craneflies)	Nationally Notable / Scarce	Diptera (flies)	Limestone outcrops and sheltered limestone valleys in Peak District
<i>Dicranomyia (Limonia) ornata</i>	Tipulidae (Craneflies)	Nationally Notable / Scarce	Diptera (flies)	A wide distribution and associated with butterbur in river valleys. The White Peak is noted as one of the best areas for this species.
<i>Solva marginata</i>	Drab Wood-soldierfly	Diptera (flies)	RL - VU, Nationally Scarce	Appears to be LC at a GB level. However, Derbyshire does have a number of records and locations for this species. At least 6 locations on NBN. At least one record on ORCA is unconfirmed but species is probably present. It clearly favours willows and poplars at many sites and can occur in association with scattered riverside trees as well as woodland and thickets, especially those associated with wetlands.
<i>Tipula cheethami</i>	Tipulidae (Craneflies)	Nationally Notable / Scarce	Diptera (flies)	Most usually found on open moorland where sheltered wet moss occurs by streams, as along rocky gullies. Limestone areas in Peak District support notable populations for this species.
<i>Tipula holoptera</i>	Tipulidae (Craneflies)	Nationally Notable / Scarce	Diptera (flies)	Very local species of boggy ground, plentiful in some districts. A species of wet mossy ground found around Sheffield.
<i>Apium inundatum</i>	Lesser Marshwort	DRDL, RL-NT	Higher Plant	Considerable decline due to loss of shallow water bodies. Locally declining in Derbyshire.
<i>Comarum palustris</i>	Marsh Cinquefoil	DRDL, RL-NT	Higher Plant	Locally Declining. Sites have been lost due to lack of management.

<i>Hottonia palustris</i>	Water-violet	DRDL, RL-NT, RL-VU	Higher Plant	Very rare with just a few locations in Derbyshire. Nationally and locally declining. Low nutrient clear water bodies such as ditches, ponds in lowlands especially floodplains.
<i>Potamogeton compressus</i>	Grass-wrack Pondweed	BAP, DRDL, RDB-NS, RL-EN, RL-NT, S41	Higher Plant	Only known from three localities in Derbyshire after significant decline.
<i>Botaurus stellaris</i>	Bittern	BAP, BDir1, Bern2, RL-NT, RL-VU, S41, UKBA, WBA, WCA1.1	Bird	A scarce autumn and winter visitor that has recently started breeding in the County.
<i>Charadrius dubius</i>	Little Ringed Plover	WCA(I), Bern(III), Bonn(II), AEWA	Bird	LRP reliant on gravel pits and waste ground such as Barrow GP and the (now covered over) Chaddesden Sidings/Pride Park.
<i>Gallinago gallinago</i>	Snipe	BDir2.1, Bonn2, RL-NT, UKBA, WBA	Bird	Wintering and summer breeding species. Likely to benefit from more extensive wetland habitats in winter.
<i>Motacilla flava</i>	Yellow Wagtail	BAP, Bern2, RL-NT, S41, UKBR, WBR	Bird	Breeding visitor to mixed farmland where presence of wetlands likely to be beneficial.
<i>Numenius arquata</i>	Curlew	BAP, BDir2.2, Bonn2, RL-EN, S41, UKBR, WBR	Bird	Mainly confined to the uplands as a breeding bird. Should benefit from less intensive land use and possibly habitat restoration elsewhere.
<i>Poecile palustris</i>	Marsh Tit	BAP, Bern2, RL-VU, S41, UKBR, WBR	Bird	Declining species associated with wet woodlands, parks etc
<i>Lutra lutra</i>	Otter	BAP, Bern2, CHS2, CITES-A, HDir2, HDir4, S41, WCA5	Mammalia	Widespread but population is still quite low. Larger more connected wetlands and floodplains will benefit this species.
<i>Natrix helvetica</i>	Grass Snake	BAP, Bern3, S41, WCA5	Reptile	Widespread, but mostly in the north, east and south of the County. Likely to have

				declined to some extent due to development pressure. Larger wetlands would be beneficial.
--	--	--	--	---

5) Farmland Waders

Farmland wader assemblage (curlew, snipe, lapwing, redshank)	Bespoke actions: <ul style="list-style-type: none"> • Encourage extensive grazing and avoid cutting and grazing during nesting periods • Encourage habitat heterogeneity for moorland edge and grassland and restore ditches and wet features including scrapes within fields • Discourage intensification and drainage
--	--

Taxa	Common name	Conservation Status	Comments	
Gallinago gallinago	Snipe	BDir2.1, Bonn2, RL-NT, UKBA, WBA		
Numenius arquata	Curlew	BAP, BDir2.2, Bonn2, RL-EN, S41, UKBR, WBR		
Vanellus vanellus	Lapwing	BAP, BDir2.2, Bonn2, RL-EN, RL-VU, S41, UKBR, WBR		
Tringa totanus	Redshank	BDir2.2, Bonn2, RL-NT, RL-VU, UKBA, WBA		

6) Mixed Farming Flora and Fauna

Mixed farming bird and plant assemblage (26 species)	<p>Bespoke actions:</p> <ul style="list-style-type: none"> • Supplementary feeding stations over the winter. • Ensure late autumn, winter and early spring seed sources are available • Avoid mowing or crop harvesting during periods where nests will be impacted. • Grow and maintain multi-species cover crops, and cut later in the year, to provide food and cover over the winter. • Avoid / minimise use of insecticides on grassland and crops. • Set aside dedicated patches of unmanaged or uncropped areas with tall grasses, along field boundaries and margins, field corners or less productive areas, particularly where they will connect. • Leave arable margins • Encourage organic and regenerative farming methods. • Install nestboxes for target species • Restore / create native hedgerow / scrub habitat • Create or restore farm ponds
--	--

Taxa	Common name	Conservation Status	Comments	
Coenonympha pamphilus	Small Heath	BAP, RL-VU, S41	Lepidoptera - butterfly	
Buglossoides arvensis	Field Gromwell	DRDL, GBNSIP, RL-EN, RL-NT	Higher Plant	
Chenopodium bonus-henricus	Good King Henry	England Red List	Higher Plant	

<i>Euphorbia exigua</i>	Dwarf Spurge	CITES-B, DRDL, GBNNSIP, RL-NT, RL-VU	Higher Plant	
<i>Galeopsis angustifolia</i>	Red Hemp-nettle	BAP, DRDL, GBNNSIP, RDB-NS, RL-CR, RL-NT, S41	Higher Plant	
<i>Potentilla argentea</i>	Hoary Cinquefoil	DRDL, RL-NT	Higher Plant	
<i>Spergula arvensis</i>	Corn Spurrey	DRDL	Higher Plant	
<i>Stachys arvensis</i>	Field Woundwort	DRDL, GBNNSIP, RL-NT	Higher Plant	
<i>Viola tricolor</i> subsp. <i>tricolor</i>	Wild Pansy	DRDL, RL-NT	Higher Plant	
<i>Alauda arvensis</i>	Skylark	BAP, BDir2.2, S41, UKBR, WBA	Bird	
<i>Chloris chloris</i>	Greenfinch	Bern2, GB RL-EN (Breeding)	Bird	
<i>Coturnix coturnix</i>	Quail	BDir2.2, UKBA, WBA, WCA1.1	Bird	
<i>Emberiza calandra</i>	Corn Bunting	BAP, RL-NT, S41, UKBR, WBR	Bird	
<i>Emberiza citrinella</i>	Yellowhammer	BAP, Bern2, S41, UKBR, WBR	Bird	

<i>Linaria cannabina</i>	Linnet	BAP, Bern2, RL-NT, S41, UKBR, WBR	Bird	
<i>Linaria flavirostris</i>	Twite	BAP, Bern2, S41, UKBR, WBR	Bird	
<i>Motacilla flava</i>	Yellow Wagtail	BAP, Bern2, RL-NT, S41, UKBR, WBR	Bird	
<i>Muscicapa striata</i>	Spotted Flycatcher	BAP, Bern2, Bonn2, S41, UKBR, WBR	Bird	
<i>Numenius arquata</i>	Curlew	BAP, BDir2.2, Bonn2, RL-EN, S41, UKBR, WBR	Bird	
<i>Passer domesticus</i>	House Sparrow	BAP, S41, UKBR, WBA	Bird	
<i>Passer montanus</i>	Tree Sparrow	BAP, RL-VU, S41, UKBR, WBR	Bird	
<i>Perdix perdix</i>	Grey Partridge	BAP, BDir2.1, GBNNSIP, RL-VU, S41, UKBR, WBR	Bird	
<i>Streptopelia turtur</i>	Turtle Dove	BAP, BDir2.2, CITES-A, RL-CR, S41, UKBR, WBR	Bird	
<i>Vanellus vanellus</i>	Lapwing	BAP, BDir2.2, Bonn2, RL-EN, RL-VU, S41, UKBR, WBR	Bird	
<i>Sturnus vulgaris</i>	Starling	BAP, BDir2.2, RL-VU, S41, UKBR, WBR	Bird	
<i>Lepus europaeus</i>	Hare	BAP, S41	Mammalia	

7) Landscape mosaic habitat assemblage

The creation, enhancement and maintenance of large areas of scrub, grassland and wetland habitats will benefit a wide range of species and potentially provide habitat that is missing from the County. Species currently rare or absent from the County could benefit, for example, turtle dove and nightingale.

Landscape mosaic assemblage (22 species)	<p>Bespoke measures:</p> <ul style="list-style-type: none"> • Create and encourage the development of large areas of scrub, open grassland and wetlands and manage through naturalistic grazing and natural processes to benefit existing species and encourage colonisation from outside the County. • Maintain and enhance existing areas of mosaic habitats through a combination of grazing and natural processes.
--	--

Taxa	Common name	Conservation status	Organism description	Comments
Ancistronycha abdominalis	Blue soldier beetle	Nationally Scarce	Invertebrate (beetle)	Restricted distribution in Peak District. Only 3 records on NBN in last 30 years, though SORBYS may have more. One record from Abney Clough in May 2004 by Bob Merritt. 2 records from inaturalist and transferred to NBN. Validation of the records is unconfirmed for one at least. A species of open upland woods.
Rheumaptera hastata	Argent & Sable	BAP, S41, Nationally Scarce (Notable B)	Lepidoptera (moth)	Very local in Derbyshire. Coppiced deciduous woodland, boggy moorland with birch and sometimes willow. Requires regeneration of birch either through

				coppicing or self set saplings.
<i>Carabus monilis</i>	Necklace Ground Beetle	BAP, RDB-NS, RL-EN, S41	Coleoptera (Beetles)	Occurs in a variety of habitats. Declined due to habitat loss and fragmentation. Distribution in Derbyshire appears to be the Derwent Valley from Derby area north and the White Peak e.g. Youlgreave, Middleton Moor and Wirksworth.
<i>Cryptocephalus bipunctatus</i>	a leaf beetle	Nationally Scarce	Coleoptera (Beetles)	Localised distribution in Great Britain with some losses nationally. The species has a very restricted occurrence at a handful of Derbyshire sites - recent records from Hopton Quarry (3), Hay Dale (1) and Monk's Dale (1). Associated with hazel scrub or coppice. Likely to benefit from scrubby margins to woodland with regenerating hazel at various stages of growth.
<i>Anthus trivialis</i>	Tree Pipit	BAP, Bern2, S41, UKBR, WBA	Bird	
<i>Asio flammeus</i>	Short-eared Owl	BDir1, Bern2, CITES-A, RL-EN, UKBA, WBR	Bird	
<i>Caprimulgus europaeus</i>	Nightjar	BAP, BDir1, Bern2, S41, UKBA, WBA	Bird	

Gallinago gallinago	Snipe	BDir2.1, Bonn2, RL-NT, UKBA, WBA	Bird	
Grus grus	Crane	BDir1, Bern2, Bonn2, CITES-A, RL-VU, UKBA, WCA9	Bird	Creation of landscape mosaics in some areas of the County could provide the conditions required by cranes.
Motacilla flava	Yellow Wagtail	BAP, Bern2, RL-NT, S41, UKBR, WBR	Bird	
Muscicapa striata	Spotted Flycatcher	BAP, Bern2, Bonn2, S41, UKBR, WBR	Bird	
Numenius arquata	Curlew	BAP, BDir2.2, Bonn2, RL-EN, S41, UKBR, WBR	Bird	
Perdix perdix	Grey Partridge	BAP, BDir2.1, GBNNSIP, RL-VU, S41, UKBR, WBR	Bird	
Poecile palustris	Marsh Tit	BAP, Bern2, RL-VU, S41, UKBR, WBR	Bird	
Scolopax rusticola	Woodcock	BDir2.1, Bonn2, RL-VU, UKBR, WBA	Bird	
Streptopelia turtur	Turtle Dove	BAP, BDir2.2, CITES-A, RL-CR, S41, UKBR, WBR	Bird	
Tyto alba	Barn Owl		Bird	

<i>Vanellus vanellus</i>	Lapwing	BAP, BDir2.2, Bonn2, RL-EN, RL-VU, S41, UKBR, WBR	Bird	
<i>Sturnus vulgaris</i>	Starling	BAP, BDir2.2, RL-VU, S41, UKBR, WBR	Bird	
<i>Luscinia megarhynchos</i>	Nightingale	Bern2, RL-VU, UKBR	Bird	Though absent from the County the creation of large areas of habitat mosaic could benefit this species in the future.
<i>Lepus europeus</i>	Brown Hare	BAP, S41	Mammal	This species has been adversely affected by intensive agriculture and urbanisation and although a full understanding of its current status in Derbyshire is unclear it would benefit from the creation of landscape mosaics.
<i>Natrix helvetica</i>	Grass Snake	BAP, Bern3, S41, WCA5	Reptile	Though widely distributed in Derbyshire this species is impacted by habitat loss and fragmentation particularly in the east and north-east of the County.