

# Species that require bespoke Potential Measures (Prioritised Category B, C and D Species)

## Related documents:

- [Creating the list of proposed Species Priorities for the Worcestershire LNRS](#)
- [Species that will benefit from Habitat Potential Measures \(Category A Species\)](#)
- [Category B-D Species Assessment and Scoring Matrix](#)

## Introduction

Some species, or assemblages of species, have been selected as LNRS Biodiversity Priorities in their own right and have bespoke Potential Measures suggested for them. Many other species are also important in Worcestershire but are likely to benefit from the general creation of more, bigger and better-connected habitat, or have a high recovery potential that does not require specific or targeted nature recovery measures.

Following Defra guidance, species on the longlist for consideration as conservation priorities in Worcestershire were assessed and assigned to one of seven categories:

Category A	Needs more / bigger / better-connected habitat	Do not require prioritisation for LNRS measures
Category B	Needs targeted habitat management	Suitable for consideration for LNRS measures
Category C	Needs improvements in environmental quality	Suitable for consideration for LNRS measures
Category D	Needs bespoke conservation action(s)	Suitable for consideration for LNRS measures
Category E	Needs better evidence base / on-the-ground action is not a priority	Unsuitable for consideration for LNRS measures
Category F	Needs action outside England	Unsuitable for consideration for LNRS measures
Category G	Vagrants / occasional visitors	Unsuitable for consideration for LNRS measures

The table below presents those species from the longlist which were assigned by species experts to 'Category B', 'Category C' or 'Category D' and subsequently selected as priorities for the Worcestershire LNRS after being assessed and scored using a Matrix.

<b>LNRS Priority Species or Species Assemblage</b>	<b>Category</b>	<b>Reason</b>
Water Vole	D: Bespoke, complex conservation actions	Requires Invasive Non-Native Species (American Mink) control to enable population recovery
Adder	D: Bespoke, complex conservation actions	Requires specific habitat management, management of predator threats and a reduction in disturbance
Dormouse	D: Bespoke, complex conservation actions	Requires support for population range expansion through localised reintroductions
Pied Flycatcher	B: Targeted, specific habitat management	Requires provision of suitable nesting habitat
Hedgehog	D: Bespoke, complex conservation actions	Requires widespread habitat enhancement/sensitive management within the built environment including installation of features to facilitate species movement
Nightingale	B: Targeted, specific habitat management	Requires creation and enhancement of scrub and hedgerow habitat
Brown Hairstreak	B: Targeted, specific habitat management	Requires specific hedgerow management practices
White-clawed Crayfish	D: Bespoke, complex conservation actions	Requires water quality improvements, habitat enhancement and isolation from crayfish plague
Toad	B: Targeted, specific habitat management	Requires enhanced landscape scale connectivity of pond and wetland habitat and interventions to support breeding migration
Turtle Dove	B: Targeted, specific habitat management	Requires specific habitat management, enhancement of scrub and hedgerow habitat and provision of food supply
Kentish Glory	D: Bespoke, complex conservation actions	Requires reintroduction
True Service Tree	D: Bespoke, complex conservation actions	Requires propagation and introduction to new locations
Black Poplar	D: Bespoke, complex conservation actions	Requires propagation and introduction to new locations
Six-spotted Pot Beetle	B: Targeted, specific habitat management	Requires targeted woodland/tree management
Longhorn Lime Beetle	B: Targeted, specific habitat management	Requires targeted woodland/tree management

Poplar Leaf-rolling Weevil	B: Targeted, specific habitat management	Requires targeted woodland/tree management
<b>House Martin and Swift assemblage:</b> House Martin Swift	House Martin - B: Targeted, specific habitat management  Swift - D: Bespoke, complex conservation actions	Requires increase in invertebrate prey populations and suitable building structures / artificial nesting structures to increase breeding opportunities
<b>Woodland bat assemblage:</b> Barbastelle Bat Bechstein's Bat	All D: Bespoke, complex conservation actions	Requires landscape-scale habitat connectivity improvements, enhancement of woodland and hedgerow habitat, increase in invertebrate prey populations and reduction in light pollution
<b>Cave and building bat assemblage:</b> Greater Horseshoe Bat Lesser Horseshoe Bat Brandt's Bat Serotine Bat	All D: Bespoke, complex conservation actions	Requires protection of roost sites, enhancement of woodland and hedgerow habitat, increase in invertebrate prey populations and reduction in light pollution
<b>Migratory fish assemblage:</b> European Eel Sea Lamprey River Lamprey Brown Trout Atlantic Salmon Allis Shad Twaite Shad Barbel	All D: Bespoke, complex conservation actions	Requires removal of barriers to migration, creation or enhancement of spawning habitat and water quality improvements
<b>Wetland and wader bird assemblage:</b> Lapwing Curlew Redshank	Lapwing - B: Targeted, specific habitat management  Curlew and Redshank - D: Bespoke, complex conservation actions	Requires sensitively timed habitat management to protect nests, management/restoration of water levels, provision of year-round food supply and control of predators

<b><i>Farmland bird assemblage:</i></b> Corn Bunting Grey Partridge Yellow Wagtail	All B: Targeted, specific habitat management	Requires provision of both year-round adult food and chick food during breeding season, enhancement of hedgerow and scrub habitat and provision of field margin/buffer strips and bird cover crops
<b><i>Fritillary butterfly assemblage:</i></b> Pearl-bordered Fritillary Small Pearl-bordered Fritillary	All D: Bespoke, complex conservation actions	Requires specific bracken and woodland management regime with abundant food plants and reintroduction to new sites
<b><i>Rare plants assemblage:</i></b> Tower Mustard Deptford Pink Sand Catchfly Round-leaved Wintergreen Round-leaved Sundew	All D: Bespoke, complex conservation actions	Require propagation and introduction to new locations
<b><i>Helleborine assemblage:</i></b> Narrow-leaved Helleborine White Helleborine	All B: Targeted, specific habitat management	Require targeted woodland management
<b><i>Wet woodland assemblage:</i></b> Elongated Sedge Alder Bolete <i>Pholiota lucifera</i> (Scalycap fungus) <i>Laccaria purpureobadia</i> (fungus)	All B: Targeted, specific habitat management	Require targeted wet woodland management

The table below presents all Category B, C and D species alongside the score that each individual species or species assemblage attained in the scoring process.

Species or Assemblage Name	Scientific Name	Main category assigned (A-F)	Shortlisting matrix								Notes
			Urgency (5, 3, 1)	Deliverability (5, 3, 1)	National significance (4, 2, 0)	Biodiversity co-benefits (4, 2, 0)	Environmental co-benefits (2, 1, 0)	Climate vulnerability (2, 1, 0)	Pre-existing initiatives (2, 1, 0)	Shortlisting total	
Common Toad	Bufo bufo	B	3	5	2	4	2	2	2	<b>20</b>	
Pied Flycatcher	Ficedula hypoleuca	B	3	5	0	2	2	2	1	<b>15</b>	
Nightingale	Luscinia megarhynchos	B	5	3	0	4	1	2	1	<b>16</b>	
Turtle Dove	Streptopelia turtur	B	5	5	4	2	1	2	2	<b>21</b>	
Lime Longhorn Beetle	Stenostola dubia	B	5	5	4	2	0	1	0	<b>17</b>	
Poplar Leaf-rolling Weevil	Byctiscus populi	B&D	5	5	2	2	1	0	0	<b>15</b>	
Six-spotted Pot Beetle	Cryptocephalus sexpunctatus	B	5	5	4	2	1	0	1	<b>18</b>	
Brown Hairstreak	Thecla betulae	B	5	5	2	2	1	2	2	<b>19</b>	
White-clawed Crayfish	Austropotamobius pallipes	D	5	1	2	2	1	2	2	<b>15</b>	
Kentish Glory	Endromis versicolora	D	5	3	4	2	1	1	2	<b>18</b>	
European Water Vole	Arvicola amphibius	D	5	3	2	4	2	2	1	<b>19</b>	
Common Dormouse	Muscardinus avellanarius	D	5	3	0	4	2	2	2	<b>18</b>	
Hedgehog	Erinaceus europaeus	D	5	5	2	2	1	2	1	<b>18</b>	
Adder	Vipera berus	D	5	3	2	4	1	2	1	<b>18</b>	
True Service tree	Sorbus domestica	D	5	3	4	2	0	0	2	<b>16</b>	

Black Poplar	<i>Populus nigra</i> var <i>betulifolia</i>	D	5	3	4	2	1	0	1	<b>16</b>	
House Martin and Swift assemblage		B&D	5	5	2	2	0	2	2	<b>18</b>	
Woodland bat assemblage		D	3	3	2	4	0	1	1	<b>14</b>	
Cave and building bat assemblage		D	3	3	2	4	0	1	1	<b>14</b>	
Migratory fish assemblage		D	5	1	2	4	2	2	2	<b>18</b>	
Wetland and wader bird assemblage		B&D	5	3	2	4	1	2	2	<b>19</b>	
Farmland bird assemblage		B	5	5	2	2	1	2	1	<b>18</b>	
Fritillary butterfly assemblages		B	5	5	4	2	1	2	2	<b>21</b>	
Rare plants assemblage		D	5	5	4	2	1	1	1	<b>19</b>	
Helleborine assemblage		B	5	5	4	2	0	1	1	<b>18</b>	
Wet woodland assemblage		B	3	5	2	2	1	1	0	<b>14</b>	
Hornet Robberfly	<i>Asilus crabroniformis</i>		3	3	2	2	1	0	0	<b>11</b>	Didn't meet threshold (14) so scoped out and re-categorised to A
Small Blue	<i>Cupido minimus</i>		3	3	0	2	1	2	0	<b>11</b>	Didn't meet threshold (14) so scoped out and re-categorised to A
Chaga	<i>Inonotus obliquus</i>		1	3	0	2	1	1	0	<b>8</b>	Didn't meet threshold (14) so scoped out and re-categorised to A
Avocet	<i>Recurvirostra avosetta</i>		3	1	0	2	1	2	2	<b>11</b>	Didn't meet threshold (14) so scoped out and re-categorised to A
	Mistletoe assemblage		1	3	2	2	1	1	0	<b>10</b>	Didn't meet threshold (14) so scoped out and re-categorised to A

Glow-worm	Lampyris noctiluca		3	5	2	2	0	2	1	<b>15</b>	Habitat measures amended to cover species requirements so re-categorised to A
Grayling	Hipparchia semele		5	5	4	2	1	2	1	<b>20</b>	Ongoing efforts to conserve species are currently not working (wider factors at play) so re-categorised to E
High Brown Fritillary	Argynnis adippe		5	5	4	2	1	2	2	<b>21</b>	Ongoing efforts to conserve species are currently not working (wider factors at play) so re-categorised to E
	Slow water assemblage		3	1	2	4	2	2	2	<b>16</b>	Habitat measures amended to cover species requirements so re-categorised to A
	Fast water assemblage		3	1	0	4	2	1	2	<b>13</b>	Didn't meet threshold (14) so scoped out and re-categorised to A
	Dead wood & veteran tree assemblage		5	5	2	2	0	1	1	<b>16</b>	Habitat measures amended to cover species requirements so re-categorised to A