

BC UK CONSERVATION STRATEGY APPENDIX 7: SPECIES RECOVERY CURVE STAGE STATUS & FUTURE CONSERVATION ACTIONS FOR THREATENED UK BUTTERFLIES

Common Name	Scientific Name	Ecological classification	BC Threat Priority 2016	BC Conservation Priority 2016	Species Recovery Curve Stage 2016	Survey (Stage 1 Status Assessment)	Monitoring (Stage 1 Status Assessment)	Research (Stages 2 & 3 Diagnosis, Solution Testing)	Bespoke Management (Stages 4 & 5 Recovery & Sustainable Management)	Mosaic Management (Stages 4 & 5 Recovery & Sustainable Management)	Comment
Chequered Skipper	<i>Carterocephalus palaemon</i>	HS	H	A	2	X		X	X		Data deficient; Research trial re-introduction in England
Lulworth Skipper	<i>Thymelicus acteon</i>	HS	H	A	2			X	X		Research autecology: climate change; Trial management: calcareous grassland
Wood White	<i>Leptidea sinapis</i>	HS	H	A	4				X		
Pearl-bordered Fritillary	<i>Boloria euphrosyne</i>	HS	H	A	3/4	X		X	X		Data deficient Scotland; Stage 3 NW England; Research autecology: climate change/nitrogen deposition; Trial management: Bracken
High Brown Fritillary	<i>Argynnis adippe</i>	HS	H	A	3/4			X	X		Stage 3 NW England; Research autecology: climate change/nitrogen deposition; Trial management: Bracken
Marsh Fritillary	<i>Euphydryas aurinia</i>	HS	H	A	4	X			X		Data deficient Scotland
Heath Fritillary	<i>Melitaea athalia</i>	HS	H	A	3/4				X		
Duke of Burgundy	<i>Hamearis lucina</i>	HS	H	A	4				X		
Large Blue	<i>Maculinea arion</i>	HS	H	A	4				X		
Dingy Skipper	<i>Erynnis tages</i>	HS	H	B	3/4			X		X	Trial management: brownfields, woodland
Grizzled Skipper	<i>Pyrgus malvae</i>	HS	H	B	3/4			X		X	Trial management: brownfields
Large Heath	<i>Coenonympha tullia</i>	HS	H	B	4	X				X	Data deficient Scotland
Grayling	<i>Hipparchia semele</i>	HS	H	B	3	X		X	X	X	Data deficient Scotland; Research autecology: climate change; Trial management: heathland
Small Pearl-bordered Fritillary	<i>Boloria selene</i>	HS	H	B	3/4			X	X	X	Stage 3 SE England & W Mids; Research autecology: climate change; Mosaic management in part of range
Glanville Fritillary	<i>Melitaea cinxia</i>	HS	H	B	3/4				X	X	Stage 3 inland sites; Trial management: calcareous grasslands
Silver-studded Blue	<i>Plebejus argus</i>	HS	H	B	4				X	X	
Northern Brown Argus	<i>Aricia artaxerxes</i>	HS	H	B	4			X	X		Research autecology: climate change
Swallowtail	<i>Papilio machaon</i>	HS	H	C	4					X	
Cryptic Wood White	<i>Leptidea juvernica</i>	HS	M	C	2	X	X	X		X	Data deficient; research autecology: habitat requirements
Mountain Ringlet	<i>Erebia epiphron</i>	HS	H	C	2	X	X	X		X	Data deficient; Research autecology: climate change; Trial management: montane grassland
White Admiral	<i>Limenitis camilla</i>	HS	H	C	2			X		X	Research autecology: climate change; Trial management: woodland
Brown Hairstreak	<i>Thecla betulae</i>	HS	M	C	4				X	X	
White-letter Hairstreak	<i>Satyrium w-album</i>	WCS	H	C	3	X	X	X		X	Data deficient
Black Hairstreak	<i>Satyrium pruni</i>	HS	H	C	4				X		
Small Blue	<i>Cupido minimus</i>	HS	M	C	4					X	Trial management: dune grasslands
Chalk Hill Blue	<i>Polyommatus coridon</i>	HS	H	C	2/4			X		X	Research causes of decline in parts of range
Essex Skipper	<i>Thymelicus lineola</i>	WCS	H	R	2			X		X	Research causes of decline
Small Skipper	<i>Thymelicus sylvestris</i>	WCS	H	R	2			X		X	Research causes of decline
Wall	<i>Lasiommata megera</i>	WCS	H	R	2			X		X	Research causes of decline
Small Heath	<i>Coenonympha pamphilus</i>	WCS	H	R	2			X		X	Research causes of decline
Gatekeeper	<i>Pyronia tithonus</i>	WCS	M	R	2			X		X	Research causes of decline
Small Tortoiseshell	<i>Aglais urticae</i>	WCS	H	R	2			X		X	Research causes of decline
Small Copper	<i>Lycaena phlaeas</i>	WCS	M	R	2			X		X	Research causes of decline
Purple Hairstreak	<i>Favonius quercus</i>	WCS	H	R	2		X	X		X	Data deficient; Research causes of decline

Ecological classification: HS = Habitat Specialist; WCS = Wider Countryside Species.

BC UK Threat Priority: H = High Priority; M = Medium Priority; L = Low Priority.

BC UK Conservation Priority: A = Action urgent across UK range; B = Action necessary in parts of UK range; C = Action less urgent nationally but may be necessary at regional level; R = Research.

Species Recovery Curve Stages: 1 Status assessment; 2 Diagnosis; 3 Solution testing; 4 Recovery management; 5 Sustainable management.

Survey: Improved surveying requiring to assess range and distribution trends.

Monitoring: Improved monitoring required to assess population trends.

Research: To improve autecological knowledge, identify causes of decline and assess potential habitat management solutions.

Bespoke management: Habitat management tailored to meet specific ecological requirements of the target species.

Mosaic management: Generic or best practice habitat management which integrates the ecological requirements of a suite of species.