

BC UK CONSERVATION STRATEGY APPENDIX 8: SPECIES RECOVERY CURVE STAGE STATUS & FUTURE CONSERVATION ACTIONS FOR THREATENED UK MOTHS

Common Name	Scientific Name	ABH No.	BC Threat Priority 2020	BC Conservation Priority 2020	Species Recovery Curve Stage 2016 / 2020	Survey (Stage 1 Status Assessment)	Monitoring (Stage 1 Status Assessment)	Research (Stages 2 & 3 Dignosis, Solution Testing)	Bespoke Management (Stages 4 & 5 Recovery & Sustainable Management)	Mosaic Management (Stages 4 & 5 Recovery & Sustainable Management)	Comments
	<i>Stigmella zelleriella</i>	4.037	H	A	2	X	X			X	
	<i>Agonopterix atomella</i>	32.012	H	A	3	X	X		X		
	<i>Syncopacma albipalpella</i>	35.007	H	A	1	X	X		X		Possibly extinct
Large Gold Case-bearer	<i>Coleophora vibicella</i>	37.059	H	A	3		X	X	X	X	
Basil Thyme Case-bearer	<i>Coleophora tricolor</i>	37.062	H	A	4	X	X		X		
Betony Case-bearer	<i>Coleophora wockeella</i>	37.109	H	A	4		X		X		
	<i>Scythris siccella</i>	43.010	H	A	3				X	X	
Fiery Clearwing	<i>Pyropteron chrysidiformis</i>	52.015	H	A	3/4	X	X		X	X	
Slender Scotch Burnet	<i>Zygaena loti</i> ssp. <i>scotica</i>	54.005	H	A	4				X		
New Forest Burnet	<i>Zygaena viciae</i> ssp. <i>ytensis</i>	54.007	H	A	4				X		
Scarce Crimson & Gold	<i>Pyrausta sanguinalis</i>	63.004	H	A	2	X	X				
Kentish Glory	<i>Endromis versicolora</i>	67.001	H	A	2	X	X	X		X	
Bright Wave	<i>Idaea ochrata</i>	70.003	H	A	4				X	X	
Silky Wave	<i>Idaea dilutaria</i>	70.005	H	A	4		X	X	X	X	
Dingy Mocha	<i>Cyclophora pendularia</i>	70.030	H	A	3/4	X	X		X	X	
Netted Carpet	<i>Eustroma reticulata</i>	70.088	H	A	4	X			X		
Barberry Carpet	<i>Pareulype berberata</i>	70.124	H	A	4	X	X		X		
Marsh Carpet	<i>Perizoma sagittata</i>	70.140	H	A	2	X	X	X	X		
Scarce Pug	<i>Eupithecia extensaria</i> ssp. <i>occidua</i>	70.178	H	A	2	X	X	X		X	
Dark Bordered Beauty	<i>Epione vespertaria</i>	70.228	H	A	4	X	X	X	X		
Belted Beauty	<i>Lycia zonaria</i> ssp. <i>britannica</i>	70.250	H	A	4				X	X	
Black-veined Moth	<i>Siona lineata</i>	70.291	H	A	4			X	X		
Straw Belle	<i>Aspitates gilvaria</i>	70.293	H	A	3	X	X		X		
Sussex Emerald	<i>Thalera fimbrialis</i>	70.304	H	A	4			X	X		
Scarce Blackneck	<i>Lygephila cracca</i>	72.064	H	A	3	X	X			X	
Shoulder-striped Clover	<i>Heliothis maritima</i> ssp. <i>warnecke</i>	73.073	H	A	3	X	X	X	X		
Reddish Buff	<i>Acosmetia caliginosa</i>	73.078	H	A	4		X		X		
Marsh Moth	<i>Athetis pallustris</i>	73.103	H	A	3				X		
Fisher's Estuarine Moth	<i>Gortyna borelii</i>	73.122	H	A	4		X		X		
Marsh Mallow Moth	<i>Hydraecia osseola</i> ssp. <i>hucherardi</i>	73.125	H	A	4				X		
Small Dark Yellow Underwing	<i>Coranarta cordigera</i>	73.258	H	A	3	X	X	X	X		
Current Shoot Borer	<i>Lampronia capitella</i>	9.001	H	B	1	X	X			X	
Richardson's Case-bearer	<i>Eudarcia richardsoni</i>	12.003	H	B	4				X	X	
	<i>Archinemapogon yildizae</i>	12.013	H	B	2	X	X				
	<i>Phyllonorycter scabiosella</i>	15.077	H	B	2	X	X			X	
	<i>Phyllonorycter sagittella</i>	15.088	H	B	2	X	X			X	
	<i>Swammerdamia passerella</i>	16.016	H	B	2	X	X			X	
	<i>Levipalpus hepatoriella</i>	32.004	H	B	1	X	X				
Water-dock Case-bearer	<i>Coleophora hydrolapathella</i>	37.018	H	B	3	X	X		X		
Irish Plume	<i>Platyptilia tesseradactyla</i>	45.007	H	B	1	X	X				
	<i>Epermenia insecurella</i>	47.003	H	B	2	X	X			X	
	<i>Periclepsis cinctana</i>	49.007	H	B	1	X	X				
	<i>Aethes rutilana</i>	49.119	H	B	1	X	X				
Mistletoe Marble	<i>Celypha woodiana</i>	49.165	H	B	3	X	X		X		
Liquorice Piercer	<i>Grapholita pallifrontana</i>	49.348	H	B	3	X	X		X		
White-barred Clearwing	<i>Synanthedon spheciformis</i>	52.006	H	B	2	X		X			
Large Red-belted Clearwing	<i>Synanthedon culiciformis</i>	52.007	H	B	2	X		X			
Sallow Clearwing	<i>Synanthedon flaviventris</i>	52.009	H	B	2	X		X			
Forester	<i>Adscita statures</i>	54.002	H	B	2	X	X	X		X	
Transparent Burnet	<i>Zygaena purpuralis</i> ssp. <i>caledonensis</i>	54.004	H	B	2					X	
Scotch Burnet (Mountain Burnet)	<i>Zygaena exulans</i> ssp. <i>subochracea</i>	54.006	H	B	2			X	X		
Talisker Burnet	<i>Zygaena loniceriae</i> ssp. <i>jocelynae</i>	54.009	H	B	2				X		
	<i>Sciota hostilis</i>	62.016	H	B	2	X	X			X	
	<i>Anania funebris</i>	63.024	H	B	4	X	X		X	X	
Beautiful Pearl	<i>Agrotera nemoralis</i>	63.041	H	B	3	X	X			X	
Scarce Hook-tip	<i>Sabra harpagula</i>	65.006	H	B	3	X	X	X		X	
Lace Border	<i>Scopula ornata</i>	70.021	H	B	3		X			X	
Drab Looper	<i>Minoa murinata</i>	70.117	H	B	4	X	X		X	X	
Argent & Sable	<i>Rheumaptera hastata</i>	70.120	H	B	3/4	X	X		X	X	
Heath Rivulet	<i>Perizoma minorata</i>	70.135	H	B	1	X					
Grey Carpet	<i>Lithostege griseata</i>	70.197	H	B	4	X	X		X		
Barred Tooth-striped	<i>Trichopteryx polycommata</i>	70.201	H	B	3	X	X	X		X	
Netted Mountain Moth	<i>Macaria carbonaria</i>	70.216	H	B	2	X	X			X	
Sloe Carpet	<i>Aleucis distinctata</i>	70.281	H	B	2	X	X	X		X	
Scarce Vapourer	<i>Orgyia recens</i>	72.018	H	B	2	X	X	X		X	
Speckled Footman	<i>Coscinia cribraria</i>	72.032	H	B	2	X	X			X	
Common Fan-foot	<i>Pechipogo strigilata</i>	72.056	H	B	4	X	X			X	
Silver Barred	<i>Deltote bankiana</i>	73.027	H	B	3		X	X		X	
Four-spotted	<i>Tyta luctuosa</i>	73.031	H	B	2	X	X	X		X	
Least Minor	<i>Photodes captiuncula</i>	73.146	H	B	3	X	X	X		X	
Morris's Wainscot	<i>Photodes morrisii</i>	73.148	H	B	4		X				
White-spotted Pinion	<i>Cosmia diffinis</i>	73.214	H	B	4	X	X	X		X	
Silvery Arches	<i>Polia hepatica</i>	73.260	H	B	2	X	X	X		X	
Grey	<i>Hadena caesia</i>	73.285	H	B	1	X	X			X	
Portland Moth	<i>Actebia praecox</i>	73.308	H	B	2	X	X	X		X	
Lunar Yellow Underwing	<i>Noctua orbona</i>	73.344	H	B	4	X	X		X	X	

	<i>Nemophora fasciella</i>	7.004	H	C	1	X	X			X	
	<i>Nematopogon magna</i>	7.013	H	C	1	X	X				
	<i>Nemapogon picarella</i>	12.022	H	C	1	X	X				
	<i>Callisto coffeella</i>	15.023	H	C	1	X	X				
	<i>Aplota palpellus</i>	28.027	H	C	2	X	X			X	
	<i>Agonopterix capreoletta</i>	32.022	H	C	1	X	X				
	<i>Syncopacma suecicella</i>	35.008	H	C	2	X	X			X	
	<i>Apotomis infida</i>	49.147	H	C	1	X	X				
Goat Moth	<i>Cossus cossus</i>	50.001	H	C	2	X	X			X	
Weaver's Wave	<i>Idea contiguaria</i>	70.014	H	C	1	X	X			X	
False Mocha	<i>Cyclophora porata</i>	70.035	H	C	2	X	X	X		X	
Chalk Carpet	<i>Scotopteryx bipunctaria</i>	70.043	H	C	2	X	X	X		X	
V-Moth	<i>Macaria wauaria</i>	70.215	H	C	2			X			
Rest Harrow	<i>Aplasta ononaria</i>	70.296	H	C	2		X			X	
Clay Fan-foot	<i>Paracolax tristalis</i>	72.051	H	C	2	X	X			X	
Sandhill Rustic	<i>Luperina nickerlii</i> ssp. <i>leechi</i>	73.132	H	C	2			X			
Orange Upperwing	<i>Jodia croceago</i>	73.199	H	C	1	X					Possibly extinct
Heart Moth	<i>Dicycla oo</i>	73.218	H	C	2	X	X			X	
Pale Shining Brown	<i>Polia bombycina</i>	73.259	H	C	2	X	X			X	
Northern Dart	<i>Xestia alpicola</i> ssp. <i>alpina</i>	73.363	H	C	2	X	X			X	
Rosy Marsh Moth	<i>Coenophila subrosea</i>	73.364	H	C	4		X			X	
Reed Leopard	<i>Phragmataecia castaneae</i>	50.003	M	C	4					X	
Welsh Clearwing	<i>Synanthedon scoliaeformis</i>	52.005	M	C	3	X	X	X	X	X	
Scarce Forester	<i>Jordanita globulariae</i>	54.001	M	C	4			X		X	
Ground Lackey	<i>Malacosoma castrensis</i>	66.004	M	C	4					X	
Small Eggar	<i>Eriogaster lanestris</i>	66.005	M	C	3	X	X	X		X	
Pine-tree Lappet	<i>Dendrolimus pini</i>	66.009	M	C	4	X	X	X			
Narrow-bordered Bee Hawk-moth	<i>Hemaris tityus</i>	69.008	M	C	4	X	X		X	X	
Tawny Wave	<i>Scopula rubiginata</i>	70.022	M	C	3	X			X	X	
Yellow-ringed Carpet	<i>Entephria flavicinctata</i>	70.071	M	C	1	X	X				
Chestnut-coloured Carpet	<i>Thera cognata</i>	70.078	M	C	3	X		X		X	
Slender-striped Rufous	<i>Coenocalpe lapidata</i>	70.125	M	C	1	X		X			
Dentated Pug	<i>Anticollis sparsata</i>	70.129	M	C	2	X		X			
Lead-coloured Pug	<i>Eupithecia plumbeolata</i>	70.153	M	C	1	X					
Pimpinel Pug	<i>Eupithecia pimpinellata</i>	70.165	M	C	1	X					
Marbled Pug	<i>Eupithecia irriguata</i>	70.170	M	C	1	X					
Thyme Pug	<i>Eupithecia distinctaria</i>	70.172	M	C	1	X					
Pinion-spotted Pug	<i>Eupithecia insigniata</i>	70.174	M	C	2	X		X			
Campanula Pug / Jasiona Pug	<i>Eupithecia denotata</i>	70.185	M	C	1	X					
Light Orange Underwing	<i>Boudinotiana notha</i>	70.204	M	C	2	X		X		X	
Rannoch Brindled Beauty	<i>Lycia lapponaria</i>	70.249	M	C	4	X	X			X	
Bordered Grey	<i>Selidosema brunnearia</i>	70.262	M	C	2	X		X		X	
Small Grass Emerald	<i>Chlorissa viridata</i>	70.306	M	C	4			X		X	
Plumed Prominent	<i>Ptilophora plumigera</i>	71.024	M	C	1	X					
Small Chocolate-tip	<i>Clostera pigra</i>	71.028	M	C	2	X				X	
Small Dotted Footman	<i>Pelosia obtusa</i>	72.040	M	C	4					X	
Dew Moth	<i>Setina irrorella</i>	72.050	M	C	2		X	X		X	
Dark Crimson Underwing	<i>Catocala sponsa</i>	72.081	M	C	2	X	X			X	
Light Crimson Underwing	<i>Catocala promissa</i>	72.082	M	C	2	X	X			X	
Scarce Burnished Brass	<i>Diachrysa chryson</i>	73.011	M	C	1	X					
Striped Lychnis	<i>Shargacucullia lychnitis</i>	73.057	M	C	4	X	X		X		
Marbled Clover	<i>Heliothis viriplaca</i>	73.072	M	C	4	X	X			X	
Sandhill Rustic	<i>Luperina nickerlii</i> ssp. <i>gueneei</i>	73.132	M	C	2	X	X	X			
White-mantled Wainscot	<i>Archana neurica</i>	73.140	M	C	2	X	X			X	
Concolorous	<i>Photodes extrema</i>	73.149	M	C	2	X	X			X	
Fenn's Wainscot	<i>Protarchanara brevilinea</i>	73.150	M	C	2	X	X			X	
Rush Wainscot	<i>Globia algae</i>	73.152	M	C	4	X				X	
Beautiful Gothic	<i>Leucochlaena odis</i>	73.178	M	C	4	X				X	
Sword-grass	<i>Xylota exsoleta</i>	73.208	M	C	2	X	X			X	
Barrett's Marbled Coronet	<i>Conisania andalusica</i>	73.278	M	C	1	X					
White Spot	<i>Hadena albimacula</i>	73.284	M	C	2	X	X			X	
Silurian	<i>Eriopygodes imbecilla</i>	73.306	M	C	2		X				
Stout Dart	<i>Spaelotis ravida</i>	73.349	M	C	1	X					Possibly extinct
Ashworth's Rustic	<i>Xestia ashworthii</i>	73.362	M	C	2	X	X			X	
Cousin German	<i>Protolampra sobrina</i>	73.367	M	C	2	X	X			X	
Small Black Arches	<i>Meganola strigula</i>	74.001	M	C	4	X		X			

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 less urgent across UK range, but may be required at the country/regional level; C = Action less urgent, but may be required at the landscape/site level. Also includes species with poorly understood autecology.

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.