TABLE 1: WEST MIDLANDS REGIONAL CONSERVATION STRATEGY PRIORITY BUTTERFLIES

Common Name	Scientific Name	Ecological classification	1 km squares occupied in West Midlands (2005-2014)			Regional population trend (1990- 2016) (* P<0.05; ** p<0.01; *** p<0.001)	GB Red List	W & C Act Schedule 5	UK BAP	England NERC s41	EU Red List	EU Habitats Directive Annex	Cons. Habitats & Species Regs.	BC UK Threat Priority 1997	BC UK Threat Priority 2005	BC UK Threat Priority 2016	BC UK Conservation Priority 2016	West Midlands RAP 1997	West Midlands RAP 2008	West Midlands RCS Thresat Priority 2016-25	West Midlands RCS Conservation Priority 2016-25
Wood White	Leptidea sinapis	HS	79	0.61	21	-45	EN		Х	Χ				M	М	Н	Α	Н	Н	Н	Α
Grayling	Hipparchia semele	HS	43	0.33			VU		Х	Х				L	Н	Н	В	M	Н	Н	Α
Pearl-bordered Fritillary	Boloria euphrosyne	HS	47	0.36	-62**	-21	EN	Р	Х	Х				Н	Н	Н	Α	Н	Н	Н	Α
Small Pearl-bordered Fritillary	Boloria selene	HS	79	0.61	17		NT		Х	Х				M	Н	Н	В	Н	Н	Н	Α
Silver-studded Blue	Plebejus argus	HS	5	0.04			VU	Р	Χ	Х				М	Н	Н	В	Н	Н	Н	Α
Dingy Skipper	Erynnis tages	HS	266	2.05	-2	-55**	VU		Χ	Х				L	Н	Н	В	M	Н	Н	В
Grizzled Skipper	Pyrgus malvae	HS	99	0.76	-23	-67**	VU		Х	Х				М	Н	Н	В	Н	Н	Н	В
Wall	Lasiommata megera	WCS	225	1.73	-88***				Х	Х				L	L	Н	R	М	R	Н	В
Large Heath	Coenonympha tullia	HS	5	0.04			VU	Р	Х	Х	VU			М	Н	Н	В	Н	Н	Н	В
Dark Green Fritillary	Argynnis aglaja	HS	95	0.73										L	М	М		М	Н	Н	В
High Brown Fritillary	Argynnis adippe	HS	8	0.06	-95***		CR	F	Х	Х				Н	Н	Н	Α	Н	Н	Н	В
Brown Hairstreak	Thecla betulae	HS	189	1.45			VU	Р	Х	Х				М	Н	М	С	Н	Н	Н	В
White-letter Hairstreak	Satyrium w-album	WCS	284	2.18	-5	-88***	EN	Р	Х	Х				М	Н	Н	С	М	Н	Н	В
Small Blue	Cupido minimus	HS	23	0.18			NT	Р	Χ	Х				М	Н	М	С	Н	Н	Н	В
Small Heath	Coenonympha pamphilus	WCS	669	5.14	-59***	-87***	1		Х	Х				1	1	Н	R		R	M	С
Silver-washed Fritillary	Argynnis paphia	HS	261	2.01	-52***	27	+	1		- / (1	_	1	- 1 (M	M	M	C
White Admiral	Limenitis camilla	HS	158	1.22	-62***	-62**	VU		Х	Х				L	Н	Н	С	M	Н	M	C
Purple Emperor	Apatura iris	HS	16	0.12			NT	_						M	М	М				M	C
Green Hairstreak	Callophrys rubi	HS	263	2.02	-15	-64*								L	М	М		M	М	M	C
Brown Argus	Aricia agestis	WCS	345	2.65	-22	295*								L	L	L			М	L	

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

Distribution and population trends: Red = meets criteria for High Priority status; Yellow = meets criteria for Medium Priority status. Note for some species timeline for calculating population trend is shorter than maximum 1990-2016.

GB Red List status: CR = Critically Endangered; EN = Endangered; VU = Vulnerable; NT = Near Threatened.

Wildlife and Countryside Act (1981) status: F = full protection; P = partial protection (sale only).

UK BAP and national legislative conservation status: X = listed; E? = probably extinct.

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

BC UK Conservation Priority: A = Action urgent across UK range; B = Action necessary in parts of UK range; C = Action necessary in parts of UK range but less urgent.

Regional Action Plan (RAP) Priority: H = High Priority; M = Medium Priority; R = Research.

Regional Conservation Strategy (RCS) Threat Priority: H = High Priority; M = Medium Priority; L = Low Priority.

Regional Conservation Strategy (RCS) Conservation Priority: A = Action urgent across all occupied landscapes/sites; B = Action necessary in some occupied

landscapes/sites; C = Action less urgent regionally but may be necessary in some landscapes/sites.

Explanation of proposed changes:

High Brown Fritillary Now extinct in region but a candidate for reintroduction.

Wall Continued to decline and is now found only in the west of the region.

White Admiral Range expansion continued northwards within the region and found in most large woodland systems as far north as mid-Shropshire.

Purple Emperor Introduced but now well established.

Small Heath Declined in distribution and only common in more upland areas.

Brown Argus Range expansion has continued in region and although under-recorded, is becoming much more widespread utilising a wide range of

Geranium spp. as its larval foodplant .

TABLE 2: WEST MIDLANDS REGIONAL CONSERVATION STRATEGY PRIORITY MOTHS

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Common Name	Scientific Name	<u>4</u> m	≥ 5		ŭ	8 8 8	3 3	 	ř	ž.	≥	≥	≥ ⊈	≥ ర	Comment
	Sterrhopterix fusca	11.018 195	\vdash	$\sqcup \vdash$	ш	\perp	\vdash	In WM					Н	Α	Shrops: only nine records in total prior to 2017 of which 7 were at Whixall from 1930-2015. In 2017 54 cases found by targeted survey at Whixall and Bettisfield; regarded as widespread and locally common.
	Phyllonorycter sagitella	15.088 366	X		$\perp \perp$	H B	Н				Р	Р	Н	Α	Worcs: recorded at 5 sites; Warks: recorded at 11 sites since 2005.
	Agonopterix atomella	32.012 703	X	Х	ш	H A	Н		NRR	FI	R 2014		Н	Α	Worcs: rediscovered at Mill Meadow, a known site.
	Dichomeris ustalella	35.023 864			╜		Н				1 site		Н	Α	Worcs: present in good numbers at Shrawley Wood.
Mistletoe Marble	Celypha woodiana	49.165 1066	X	X		Н В	Н		Р	5	5 sites LI	R 1985	Н	Α	Hereford: no searches 2012-14; Worcs: all sites found during 2014 orchard survey; Shrops: targetted search in south Shrops orchards in 2015 but none found.
	Ancylis tineana	49.217 1124			ПП			In WM					Н	Α	Shrops: four records at Whixall Moss in 2006 and 2013, only known site outside Scotland; on provisional at risk of extinction listing from BC HQ.
Liquorice Piercer	Grapholita pallifrontana	49.348 1243	X	Х		H A	Н		1 site	3	3 sites LI	R 2006	Н	Α	Hereford: site south of Haugh Wood LR 2013; Worcs: still present on all three known sites 2014; Warks: only 1 record.
Welsh Clearwing	Synanthedon scoliaeformis	52.005 376		ПГ	111	н в	Н			Р			Н	Α	Staffs: widespread at Cannock Chase.
Forester	Adscita statices	54.002 163	Х	Х	\Box	н в	Н	LR 2014	NRR	NRR	NRR LI	R 2004	Н	Α	Shrops: may be expanding, recent records at Shelve & Bog Mine; Warks: LR Ashlawn Railway, although management for this moth has continued here it is possibly now extinct.
Kentish Glory	Endromis versicolora	67.001 1644		\neg \vdash	\top	н в		Е			Е		н	Α	Shrops/Worc: possible reintroduction to Wyre Forest.
Narrow-bordered Bee Hawk-moth	Hemaris tityus	69.008 1982	X	Х	111	н в	Н	In WF		NRR		NRR	н	Α	Shrops: part of WF.
Yellow-ringed Carpet	Entephria flavicinctata	70.071 1743			+		-		1 site				Н	Α	Hereford: Black Mountains is southernmost British site.
Drab Looper	Minoa murinata	70.117 1878	Y	Х	+	н в	н	Р		In WF	Р		н	Α	Shrops/Staffs: in WF; Worcs/Hereford: in Malverns with 2015 records above Gullet Quarry and on Chase End Hill as well as from the Mortimer Forest and Woolhope Dome.
Argent & Sable		70.120 1787		X	+	H A	н	D D	LR?		NRR LI	R 2006	н	Λ	
Barred Tooth-striped	Rheumaptera hastata	70.120 1787	X		+-	H B	П	NRR	2 sites			NRR	Н	A	Shrops: new site discovered in 2014 and still present there in 2015. Survey of Churnet Valley in 2015 resulted in 3 adult records. Possible now extinct in Warks despite efforts to try to maintain its habitat. Hereford: at Conjurge and Queens Wood, could be elsewhere in the county. Ledbury record 2007.
	Trichopteryx polycommata				+		п			_	_	IVINI	11	Α	Hereford: at Conigree and Queens Wood, could be elsewhere in the county, Ledbury record 2007. Shrone Moree: WE is main area: Hereford: LP Haugh Wood: Staffe: reported from Consoll LP 2007.
Common Fan-foot	Pechipogo strigilata	72.056 2488		X		H B	H		LR 1974		In WF	NDC	П	A	ShropsWorcs: WF is main area; Hereford: LR Haugh Wood; Staffs: reported from Consall LR 2007.
White-spotted Pinion	Cosmia diffinis	73.214 2317	X	Х		Н В	H H	NRR	NEE			NRR	Н	Α	Worcs: only site in south of county (between Pershore and Worcester) LR 2015.
Silvery Arches	Polia hepatica	73.260 2149	\vdash	$\sqcup \sqcup \sqcup$	+	$\sqcup \sqcup$	M	In WM	NRR	Р	NRR	NRR	Н	Α	Shrops: LR 2007; Staffs: recorded from number of sites, including Cannock Chase LR 2006.
Silurian	Eriopygodes imbecilla	73.306 2175	\Box	$\sqcup \!\!\! \perp$			Н		Р				Н	Α	Hereford: strong population on Hatterall Ridge strays recorded below mountain, at Longtown 2013.
	Stigmella mespilicola	4.031 99a		\neg \vdash			ш	In WF	2		In WF L	R 1986	Н	R	Shrops/Worcs: in WF 1990, 2008, 2010 and 2013; Hereford: status unclear, may still be on Doward; Warks: only 1 record.
Current Shoot Porer		9.001 133	V	X	+-	н в	П	In WF	-			R 1986	Н	D	Shrops/Worcs: A sites on both sides of the Dowles Brook in WF (on the Shropshire side these are the only records - in 2011 and 2012).
Currant Shoot Borer	Lampronia capitella		X		+	II D	H	III VVF		_		1300	H	В	
	Proutia betulina	11.011 188	\vdash	$\vdash \vdash \vdash$	+	+	H		LR 2005	-	1 site		H	В	Worcs: at Monkwood LR 2013. Hoperford: at Leithuru Perk 2004 05
	Triaxomasia caprimulgella	12.023 226	\vdash	$\vdash\vdash\vdash$		-	н	\vdash	LR 2005					В	Hereford: at Ledbury Park 2004-05.
	Schiffermuelleria grandis	28.003 634	\vdash	$\sqcup \vdash$	+	-	Н	\vdash			3 sites		Н	В	Staffs: recorded at Brankley Pastures; Worcs: good numbers at Ribbesford Wood 2014, single records elsewhere.
	Caryocolum junctella	35.138 833	\vdash	$\sqcup \vdash$		-	Н		Е		In WF		Н	В	Shrops/Worcs: in WF LR 2000; on provisional at risk of extinction listing from BC HQ.
	Dystebenna stephensi	39.004 907		ᆜ닏	ш		Н		1 site?		1 site		Н	В	Hereford: probably still at Moccas LR 1999; Worcs: at Crown East Wood 2010 and 2011.
White-barred Clearwing	Synanthedon spheciformis	52.006 375		니닏	$\perp \perp$		М		1 site			NRR	Н	В	Shrops/Worcs: WF; Hereford: Queen's Wood Dymock; Staffs: part of Kinver Edge, Cannock Chase and Highgate Common, LR 2010.
Large Red-belted Clearwing	Synanthedon culiciformis	52.007 381		ᆜᆫ	ш		M	LR 2003	NRR L	R 1992 1	R 2014	NRR	Н	В	Staffs: most recent records from Kinver Edge in 1990 and 1992; Woros: recorded at the Wyre Forest with a record for the Shropshire part in 2015.
	Sciota hostilis	62.016 1447	X	Х	ш	H B	Н	l			NRR L	R 2011	Н	В	Warks: larval feeding signs Oversley Wood 2011.
Small Eggar	Eriogaster lanestris	66.005 1633		ᅵᅵᅵ	Ш		Н	LR 2003	Some Rs	E	3 R's	NRR	Н	В	Shrops: LR at Shrewsbury; Hereford: records from Bodenham area including larval nest, recorded at Upper Maund and Ross 2007-08; Worcs: recent records in south of county.
Purple-bordered Gold	Idaea muricata	70.002 1698					M	LR 2011					Н	В	Shrops: on Shropshire Mosses.
Dotted Border Wave	Idaea sylvestraria	70.010 1701			ПП		M		L	R 1999	1 site		Н	В	Worcs: at Hartlebury Common.
Chalk Carpet	Scotopteryx bipunctaria	70.043 1731	X	X	ПП	H C	Н	NRR		Р	NRR 4	4 sites	Н	В	Staffs: majority of records from Dovedale and Manifold Valley LR 2011; Warks: colony discovered at Bishops Bowl 2011.
Waved Carpet	Hydrelia sylvata	70.113 1877			\Box		Н	NRR	Р	Р	3 Rs		Н	В	Hereford: still regularly recorded at Doward and probably elsewhere: Staffs: recent records from the Manifold Valley; Worcs: records from WF 2006 and Hunthouse Wood 2011.
Barred Carpet	Martania taeniata	70.139 1801		ΠГ	TI		М			Р		I	Н	В	Staffs: recorded from Dovedale and Manifold Valley.
Pauper Pug	Eupithecia egenaria	70.164 1824		ΠГ	TI		н н		Р	4	4 sites 2	2 sites	Н	В	Hereford: at Upper Colall 2007 and Doward 2010; Worcs: recent spread with 7 known sites; Warks: at Weston & Waverley Wood 2011 and Oversley Wood 2012.
Marbled Pug	Eupithecia irriguata	70.170 1818		H			М		2 R's	1 R			Н	В	Hereford: recorded at Dorstone 2011 and Moccas 2012; Staffs: only record 1999.
Bleached Pug	Eupithecia expallidata	70.180 1833		H			М	1 R 2009	2 sites		NRR N	RR UC	н	В	Hereford: at Doward 2012 and Haugh Wood 2013; Warks: status uncertain.
Small Grass Emerald	Chlorissa viridata	70.306 1670		H			М	Local	Е		NRR		Н	В	Shrops: a few records 2013-14, mainly around tronbridge.
Light Feathered Rustic	Agrotis cinerea	73.316 2084		ĦГ	\Box		М	LR 2002	NRR	Р		1 site	Н	В	Shrops: LR at Llanymynech; Staffs: recorded at Dovedale and Manifold Valley; Warks: at Nelsons Quarry (has benefitted hugely from hawthorn scrub clearance and this should continue).
Northern Rustic	Standfussiana lucernea	73.341 2104		ĦĦ	111		$\overline{}$	1 site	1 site				Н	В	Shrops: on Stiperstones; Hereford: Black Mountains.
Square-spotted Clay	Xestia stigmatica	73.354 2131		ĦĦ	+				2-3 sites				Н	В	Hereford: in west and north of county.
oquare opened only	Access ordanics	7 0.00 1 2.10 1		ᆜᆜ				<u> </u>					•••		
	Phyllonorycter distentella	15.068 346			1 11		Н		E?		NRR		M	С	Hereford: status uncertain maybe extinct.
	Dasycera oliviella	28.020 650					Н	In WF		-	In WF		М	С	Shrops/Worcs: continuing presence in WF LR 2012 (26 Shrops records with latest in 2011) with first Worcs record away from WF in 2015; Hereford: First record in 2015 so maybe spreading.
	Oecophora bractella	28.021 651					Н	In WF	1-2 sites	ı	In WF		М	С	Shrops/Worcs: widespread and in good numbers in WF LR 2014 (21 Shrops records with latest in 2012); Hereford: probably still at Queens Wood LR 2005, with recent record at Whitchurch 2013.
	Aplota palpellus	28.027 653	Х	X		H C	Н		NRR L	R 1994	NRR	71	М	С	Staffs: may still be present.
Orange-tailed Clearwing	Synanthedon andrenaeformis	52.010 378					М		LR 1992	2	2 sites	Р	М	С	Hereford: LR at Little Doward; Worcs: Third site in south-east Worcs found in 2015
Festoon	Apoda limacodes	53.001 173		$\sqcap \vdash$		$\neg \neg$	M	Migrant			2 sites		М	С	Worcs: Still at Trench Wood and at Grafton Wood 2006.
Cistus Forester	Adscita geryon	54.003 164				\Box	M			Р	NRR		М	С	Staffs: doing well in limestone areas.
Broad-bordered Bee Hawk-moth	Hemaris fuciformis	69.009 1983		$\sqcap \vdash$	771	$\neg \neg$	М	Р	Е			NRR	М	С	Shrops: occasional records LR 2009 at Whixall Moss; Woros: WF records from Postenplain.
Mocha	Cyclophora annulata	70.031 1676		$\sqcap \vdash$	 	\Box	M		Р				М	С	Hereford: fairly common; Worcs: fairly common; Warks: recorded at Lillington 2014, possible undiscovered colony.
False Mocha	Cyclophora porata	70.035 1679	X	Х	 	н с	Н	NRR	LR 1972	NRR			M	C	Warks: LR at Oversley Wood, status uncertain.
Ruddy Carpet	Catarhoe rubidata	70.057 1735					М	NRR	Р				M	С	Hereford: many recent records; Works: scattered records; Warks: records all in west of county, discovered in Weethley Wood 2014.
Cloaked Carpet	Euphyia biangulata	70.064 1793		$\vdash\vdash$	 	\vdash	M	LR 2014	Р				M	С	Shrops: a few records 2014; Hereford: recorded annually 2005-2014; Worcs: remains uncommon; Warks: at Ryton dod, Oakley Wood and Chase Wood.
Lead-coloured Pug	Eupithecia plumbeolata	70.153 1814		$\vdash \vdash \vdash$	+-	+	M	2Rs WF		NRR	Р		M	С	Shrops: both records in WF 2009; Hereford: fairly common in ancient woodland; Worcs: fairly common in ancient woodland.
Thyme Pug	Eupithecia distinctaria	70.172 1843		$\vdash \vdash \vdash$	+	+	M	2.00 111		6 Rs			M	С	Staffs: records from Dovedale and Manifold Valley LR 2010.
	Eupithecia insigniata	70.172 1843	 	$\vdash\vdash\vdash$	+-	++	M	\vdash	_		Rare	Р	M	С	Worcs: only a few records; Warks: occasionally recorded from gardens generally in the west of the county.
Pinion-spotted Pug		70.174 1820	\vdash	$\vdash\vdash\vdash$	+-	+	M	NRR	NPP	1 R			M	C	Words: only a rew records; Warks: occasionally recorded from gardens generally in the west of the county. Staffs: at Seckley Wood 2003; Warks: discovered at Whichford Wood 2011.
Valerian Pug	Eupithecia valerianata	70.181 1821	\vdash	$\vdash\vdash\vdash$	+-	++	M	NRR					M	C	
Campanula Pug	Eupithecia denotata			\vdash	+	+		INKK							Hereford: LR at Ledbury, Worcs: bred from Eyemore Wood 2013 and larvae at Blackhouse Wood 2015; Shrops: larvae at Wenlock Edge 2015; Warks: monitoring required to assess status at Whichford Wood. Shrops: Marcan recorded in WE. Shrops: required to assess status at Whichford Wood.
Broom-tip	Chesias rufata	70.196 1865	\vdash	X	┼ ┤│	\vdash	M	NO		R 2004			M	С	Shrops:Worcs: recorded in WF; Shrops: regularly recorded at Pennerley 2005; Hereford: only known site Haugh Wood 2013; Worcs: recorded from Malverns and Devil's Spittleful; Warks: status uncertain.
Light Orange Underwing	Boudinotiana notha	70.204 1662	\vdash	$\vdash \vdash$		\vdash	M		LR 1998 L	_			M	С	Hereford: hard to view; Worcs: good numbers on woodland sites; Warks: locally plentiful in aspen-rich woods.
Little Thorn	Cepphis advenaria	70.221 1901	\vdash	$\sqcup \sqcup$	 	\square	M	NRR	P			RR UC	M	С	Hereford: still present, recorded most years; Worcs: In Wyre Forest and Blackhouse Wood; Warks: status uncertain.
Great Oak Beauty	Hypomecis roboraria	70.267 1943	\vdash	$\sqcup \sqcup \sqcup$	441	\square	M		3+ Rs				M	С	Hereford: recorded at Doward, Yatton Wood 2010 and Symonds Yat 2014; Worcs: in WF and at Chaddesley Wood; Staffs: on several sites LR 2013; Warks: status needs assessing.
Grass Wave	Perconia strigillaria	70.295 1970	$\vdash \vdash$	$\sqcup \sqcup$	↓ ↓	\square	M	LR 2004				1 site	М	С	Worcs: in WF and heathland around Kidderminster; Staffs: common on Cannock Chase and Chartley Moss; Warks: only at Sutton Park.
Buttoned Snout	Hypena rostralis	72.004 2480	$\vdash \vdash$	$\sqcup \sqcup$	╙	$\square\square$	Н	LR 2002			NRR		M	С	Hereford: regularly recorded at Bodenham, other sites include Ross, Woolhope, Turnastone and Little Dewchurch.
Wood Tiger	Parasemia plantaginis	72.025 2056		oxdot $oxdot$	╜	Ш		RRs	NRR			[M	С	Shrops: recent records at Bog Mine and Nipstone
Wormwood	Cucullia absinthii	73.050 2211		oxdot]		M	NRR		Р	P L		М	С	Staffs: on brownfield sites in south of county; Worcs: in north of county; Warks: records from Solihull and Sutton Park 2002.
Mere Wainscot	Photedes fluxa	73.145 2349			┸┚╿		M	」L ̄ ̄ ̄			1 site	Р	М	С	Worcs: at Trench Wood; Warks: present in several areas.
Silver Cloud	Egira conspicillaris	73.251 2181			\Box		M		Р		Р	Р	М	С	Hereford: recorded annually at Bodenham; Worcs: widespread; Warks: abundance declining and confined to west of county.
Square-spot Dart	Euxoa obelisca	73.312 2080					М		NRR		P N	RR UC	М	С	Worcs: good numbers on the Malverns LR 2014.
White-marked	Cerastis leucographa	73.337 2140				\Box	M	Р	Р	1 R	P 1	2 sites	М	С	Shrops: regular records; Hereford: regular records e.g. Bodenham, Little & Much Dewchurch; Staffs: at Kinver Edge 2010; Warks: colony at Whichford Wood, also at Warwick 2014.
Cream-bordered Green Pea	Earias clorana	74.011 2418				\Box	M	LR 2013	Р		2	-3 sites	М	С	Shrops: occasional records; Hereford: regularly recorded in Lugg Valley and elsewhere e.g. Ledbury, Ashperton; Warks: local and scarce species.
							=					_:			
	Nemophora fasciella	7.004 144	X	X	╙	H C	Н				LI	R 1956	L		
	Nemapogon picarella	12.022 221	X		1	H C	Н	ı∟_⊤		T	T] [L		
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	Syncopacma albipalpella		848	Х	Х		Н		IL		Н					LR 1906	L	
Large Gold Case-bearer	Coleophora vibicella	37.059	538	Х	Х		Н	Α	IL		Н				NRR		L	_
Betony Case-bearer	Coleophora wockeella	37.109	527	Х	Х		Н	ΙΑ	IL		Н						L	_
Goat Moth	Cossus cossus	50.001	162	Х	Х		Н	С	IL		Н	E		NRR	NRR	NRR	L	_
Hornet Moth	Sesia apiformis	52.002	370						1	Л		NRR		Р	Р	1 site	L	_
Red-tipped Clearwing	Synanthedon formicaeformis	52.008	380						1	Л		NRR	2 Rs	LR 2015	6 sites	Р	L	
Red-belted Clearwing	Synanthedon myopaeformis	52.011	379						1	Л		NRR	Р	1 R	Р	Р	L	
Yellow-legged Clearwing	Synanthedon vespiformis	52.012	374						1	Λ		LR 2005	2+ sites	Р	Р	Р	L	
Currant Clearwing	Synanthedon tipuliformis	52.013	373						1	Л		NRR	Р	Р	Р	Р	L	_
Six-belted Clearwing	Bembecia ichneumoniformis	52.014	382						1	Л		1 R 2004	LR 1976	Р	Р	Р	L	
	Anania funebris	63.024	1381	Х	Х		Н	В	П		Н	NRR			NRR		L	
Satin Lutestring	Tetheella fluctuosa	65.012	1656						1	Л		Р		Rare	Р	NRR	L	
Lace Border	Scopula ornata	70.021	1687						1	Л		NRR			NRR	NRR	L	
Rosy Wave	Scopula emutaria	70.028	1691						1	Λ		NRR					L	
Dingy Mocha	Cyclophora pendularia	70.030	1675	Х	Х		Н	Α			Н	NRR					L	_
Devon Carpet	Lampropteryx otregiata	70.104	1751						1	Л		LR 2012	Р	3 RRs	Р	3 sites	L	
Blomer's Rivulet	Venusia blomeri	70.116	1872						1	Л		Р	Р	Р	Р		L	
Bilberry Pug	Pasiphila debilata	70.145	1861						1	Л			1 site	Р	In WF		L	
Bordered Grey	Selidosema brunnearia	70.262	1938						P	Л		NRR					L	_
Orange Footman	Eilema sororcula	72.049	2043						1	Л		Р	Р	Р	Р	Р	L	
Dew Moth	Setina irrorella	72.050	2036						1	Л		NRR					L	
Waved Black	Parascotia fuliginaria	72.066	2475						1	Л		LR 2007	Р	Single Rs	Р	Р	L	
Rosy Marbled	Elaphria venustula	73.091	2396						1	Л					V		L	
Silky Wainscot	Chilodes maritima	73.100	2391						1	Л		RR		RR	Р	Р	L	
Dotted Chestnut	Conistra rubiginea	73.197	2260						1	Л		LR 2006	Р		Р	Р	L	
Orange Upperwing	Jodia croceago	73.199	2257	Х	Х		Н		ŀ	1	Н	NRR	NRR		NRR		L	
Sword-grass	Xylena exsoleta	73.208	2242	Х	Х		Н	С			Н		NRR	Rare	NRR	NRR	L	
Red Sword-grass	Xylena vetusta	73.209	2241						1	Л		LR 2014	Rs	Single Rs	NRR	V	L	
Angle-striped Sallow	Enargia paleacea	73.211	2313						1	Л		LR 2013	R	Р	Local	Р	L	
Pale Shining Brown	Polia bombycina	73.259	2148	Х	Х		Н	С			Н	NRR			NRR	NRR	L	
Bordered Gothic	Heliophobus reticulata ssp. marginosa	73.277	2153	Х	Х		Н	С			Н	NRR	NRR	NRR	NRR		L	
Lunar Yellow Underwing	Noctua orbona	73.344	2108	Х	Х		Н	В	ΙГ		Н	1 RR?			NRR	NRR	L	

Wildlife and Countryside Act (1981) status: F = full protection; P = partial protection (sale only).

UK BAP and national legislative conservation status: X = listed; E? = probably extinct.

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

BC 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.

Regional Action Plan (RAP) Priority: H = High Priority; M = Medium Priority.

County status notes: P = Present post-2000 (more widespread than a few sites); PO = No records post-2000 but may still be resident; P? = Present post-2000 but breeding status doubtful;

UNC = Uncommon; E = Extinct; NRR = No recent records post-2000; RR = Recent record; R = Record; LR = Year last record; FR = Year first record; UC = status uncertain; V = Vagrant.

County data supplied by: Tony Jacques and Godfrey Blunt (Shropshire); Phyl King and Robin Hemming (Herefordshire); Dave Emley and John Bryan (Staffordshire);

David Brown and Nigel Stone (Warwickshire); Tony Simpson (Worcestershire).

Regional Conservation Strategy (RCS) Threat Priority: H = High Priority; M = Medium Priority; L = Low Priority.

Regional Conservation Strategy (RCS) Conservation Priority: A = Action urgent across all occupied landscapes/sites; B = Action necessary in some occupied landscapes/sites;

C = Action less urgent regionally but may be necessary in some landscapes/sites.

Walks, presumed exame.
Extinct.
Staffs: scattered; Worcs: widespread; Warks: one site at Halford discovered 2011.
Hereford: last recorded at Ross 2006 and near Cheltenham 2013; Staffs: recent records at Cannock Chase and at Wolseley Bridge in 2015; Worcs: widespread.
Hereford: recent records include Bodenham, Checkley and Upper Maund 2011; Staffs: only one recent record; Worcs: widespread.
Hereford: could be widespread but only recent records at Seven Sisters 2006 and Shobdon 2010; Worcs: widespread.
Hereford: probably widespread, recorded at Bodenham, Pencoyd 2008 and Upper Maund 2011; Worcs: widespread.
Shrops: last record at Telford; Hereford: last record at Ledbury.
Shrops: WF records from Postenplain, fairly widespread elsewhere LR 2009; Hereford: seen in most woodland sites 2007-2014, more widespread than atlas suggests.
Hereford: spread into woodland; Worcs: spread into woodland; Warks: recently colonised.
Shrops: 2014 records; Hereford: can be reasonably common; Worcs: small numbers in west; Staffs: recent records from 4 sites.
Hereford: recorded Doward area where can be numerous; Staffs: several sites.
Shrops: probably under-recorded, but common and widespread everywhere.
Shrops: LR in WF; Hereford: regularly seen e.g. Bodenham, Colwall, Putley 2013-14; Staffs: at Cannock Chase LR 2014.
Staffs: recorded at Belvide Reservoir and Swynnerton Training Area in 2015; Worcs: all reedbeds; Warks: scattered sites. First recent record in Shropshire.
Shrops: regularly recorded at Pennerley, Hereford: regular records.
No recent GB records.
Hereford: LR Upper Maund 1998; Staffs: recorded on 4 sites since 1960, LR 2011.
Shrops: quite frequent; Hereford: occasional records; Staffs: records widely scattered LR 2014; Warks: vagrant records from Ryton Pools 2012 and Middleton Hall 2014.
Shrops: probably under-recorded; Hereford: occasional records e.g. Hampton Court Vowchurch 2007; Staffs: common on Cannock Chase, singles elsewhere; Warks: established on many sites in NE of county.
Extinct in mainland Britain.

FIGURE 1: WEST MIDLANDS REGIONAL CONSERVATION STRATEGY PRIORITY LANDSCAPES AND SITES MAP

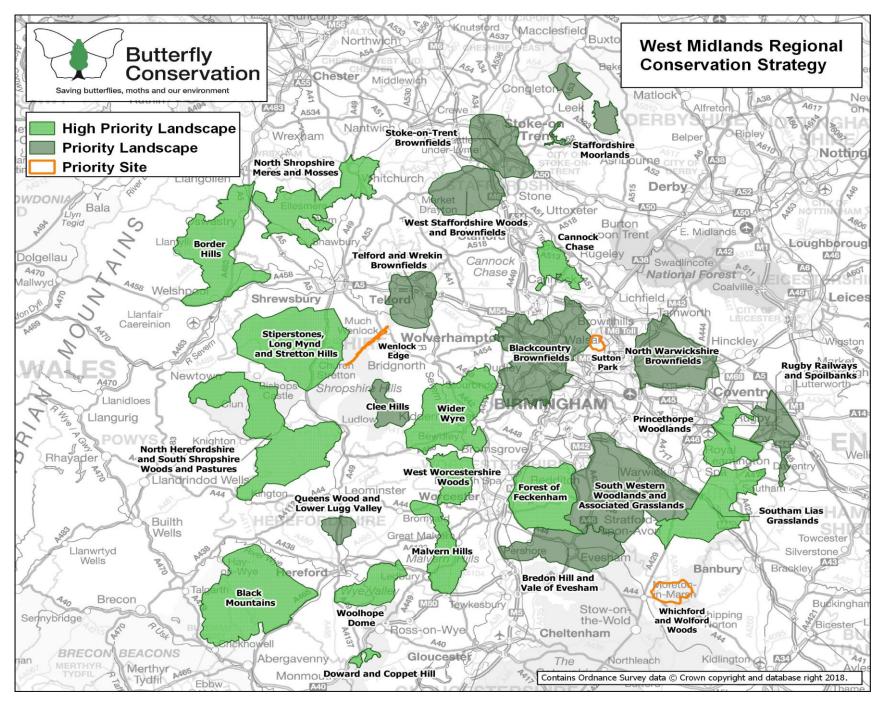


TABLE 3: WEST MIDLANDS REGIONAL CONSERVATION STRATEGY PRIORITY LANDSCAPES

Branch High Priority Landscape	Х	Х	Х	l	Х			Χ	X	Nest X	Mid	land	s		Χ	Χ	Χ	Χ				War X	WICK	shire	X
Priorty Landscape				Х		Х	Х					Χ	Х	Х					Х	Χ	Х		Х	Х	
Landscape Number	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Landscape Name	Border Hills (Oswestry Uplands)	North Shropshire Meres and Mosses	Stiperstones, Long Mynd and Stretton Hills	Telford and Wrekin Brownfields	North Herefordshire and South Shropshire Woods and Pastures		le)	Black Mountains (including Golden Valley)	Woolhope Dome	Doward and Coppett Hill	Malvern Hills	Staffordshire Moorlands		West Staffordshire Woods and Brownfields	Cannock Chase	Wider Wyre	West Worcestershire Woods	Forest of Feckenham	Bredon Hill and Vale of Evesham	Black Country Brownfields	North Warwickshire Brownfields	Princethorpe Woodlands	6	South Western Woodlands and Grasslands	as Grasslands
	Bord	Nort	Stipe	Telfo	Nort Shro	Clee	gue	Black № Valley)	Woo	Dow	Mal∖	Stafí	Stok	Wes Brov	Can	Wide	Wes	Fore	Bred	Blac	Nort	Prin	Rug	Sout Gras	Sout
High Priority Butterflies (Conserv					<u> </u>						_	0)	0)	<u> ш</u>					ü					ο, _C	0,
Wood White					Н			E?	Н	Е	Е					Н	R	R				Н			Е
Grayling	Н		Н		Е						Н														
Pearl-bordered Fritillary	Н							Н	Н	Н	E	-		-		Н		Е				R			
Small Pearl-bordered Fritillary Silver-studded Blue	Н	Н	Н		Н	Н				Е	Е	Е		Е	Н	Н						Е			
High Priority Butterflies (Conserv	atio	n Pri	oritv	B)																					
Dingy Skipper	Н	Н	Н	Н	Н		Н	Н	Н		Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н
Grizzled Skipper	Н				Н		Н	Н	Н	Н	Е	Е		Н		Н	Е	Н	Н		Ι	Η	Ι	Н	Н
Wall	Н	Н	Н		Н	Н		Н				Н				Н			Н						
Large Heath	 	Н												-											
Dark Green Fritillary High Brown Fritillary			Н		Н	Н		Н			H	H				Н	Е		Н			H			Н
Brown Hairstreak											_	_						Н	Н			Н			
White-letter Hairstreak	Н	Н	Н		Н			Н	Н	Н	Н	Н			Н	Н	Н	Н			Н	Н	Н	Н	Н
Small Blue												Е													Н
Medium Priority Butterflies																									
Small Heath	М	М	М	М	М	M		М	М	М	М	М	М	М	М	М	М	М		?	M	М	М	М	М
Silver-washed Fritillary	М		М	М	M				M	М	M					М	М	М			M	M	M	M	M
White Admiral Purple Emperor				М	Е				M		М					M		М			М	M M	M	M R	М
Green Hairstreak	М	М	М	М	М	М		М	М	М	М	М			М	М	М		М	М		M	М	M	М
High Priority Moths (Conservatio																									
Sterrhopterix fusca		Н	Ĺ																						
Phyllonorycter sagitella																		Н	Н					Н	
Agonopterix atomella																Н									
Dichomeris ustalella																	Н		0						
Celypha woodiana Ancylis tineana		Н																	?						
Grapholita pallifrontana		-							Н																
Welsh Clearwing															Н										
Forester		Н	Н																				E?		
Kentish Glory																Ш									
Narrow-bordered Bee Hawk-moth																Н									
Yellow-ringed Carpet					Н			Н	Н	Н	Н					Н	Н								
Drab Looper Argent & Sable		Н	Н		н				E	н	н	Н		Н		E	н							E?	
Barred Tooth-striped		-11	- ''				Н		_					- ''		_								L:	
Common Fan-foot									?			?				Н									
White-spotted Pinion																			Н						
Silvery Arches		Н													Н										
Silurian			D)					Н																	
High Priority Moths (Conservatio Stigmella mespilicola	n Pri	ority	'B)	I	I				I	?						Н								I	П
Lampronia capitella										ſ						Н									
Proutia betulina																	Н								
Triaxomasia caprimulgella											Н														
Schiffermuelleria grandis																Н									
Caryocolum junctella	-															Н					_				
Dystebenna stephensi White-barred Clearing		-	-				Н	Н							Н	Н									-
Large Red-belted Clearwing							н								н	Н									
Sciota hostilis																								Н	
Small Eggar							Н																		
Purple-bordered Gold		Н																							
Dotted Border Wave																Н									
Chalk Carpet												Н									-				Н
Waved Carpet Barred Carpet										Н		Н				Н									-
Pauper Pug										Н	Н	- ' '					Н					Н		Н	
Marbled Pug								Н																	
Bleached Pug									Н	Н															
,				Н																					
Small Grass Emerald		1										Н													Н
Light Feathered Rustic	Н					1	1	Н	I					1											1
Light Feathered Rustic Northern Rustic	н		Н					11																	
Light Feathered Rustic	Н		Н					Н																	
Light Feathered Rustic Northern Rustic Square-spotted Clay Total High Priority Butterflies	7	6	6	1	7	3	2	6	4	3	4	4	1	2	2	8	2	4	5	1	3	7	3	3	5
Light Feathered Rustic Northern Rustic Square-spotted Clay Total High Priority Butterflies Total Medium Priority Butterflies	7 3	2	6 3	4	3	2	0	6	4	3	4	2	1	1	2	4	4	3	1	1	3	5	4	5	4
Light Feathered Rustic Northern Rustic Square-spotted Clay Total High Priority Butterflies Total Medium Priority Butterflies Total High Priority Moths (A)	7 3 0	2 5	6 3 2	4	3	2	0	6 2 2	4 2	3	4	2	0	1	2	4	4	3	1	1	3	5 0	4	5 1	4 0
Light Feathered Rustic Northern Rustic Square-spotted Clay Total High Priority Butterflies Total Medium Priority Butterflies	7 3	2	6 3	4	3	2	0	6	4	3	4	2	1	1	2	4	4	3	1	1	3	5	4	5	4

Key to species status E Extinct

- R Re/introduced
- ? Status uncertain
- Key to conservation delivery progress

Unknown

No conservation delivery: e.g. occasional recording of target species; target species monitored on few sites.

Limited conservation delivery: e.g. co-ordinated surveys undertaken enabling distribution of target species across the landscape to be mapped; co-ordinated monitoring undertaken across several sites, enabling assessment of target species abundance trends; management advice provided on some sites; recovery management implemented on some sites (e.g. work parties).

Full conservation delivery: e.g. co-ordinated monitoring programme established on many sites enabling assessment of target species abundance trend and effectiveness of conservation action; management advice given to landowners across whole site networks; co-ordinated programme of recovery management implemented across whole site networks; long-term sustainable management (e.g. agri-environment schemes) implemented across sites.

TABLE 4: WEST MIDLANDS REGIONAL CONSERVATION STRATEGY OTHER PRIORITY SITES

Branch	WM	Wai	rks
Site Number	24	25	26
Site name	Wenlock Edge		Whichford & Wolford Woods
High Priority Butterflies (Conservation P	riorit	ty B))
Dingy Skipper	Н		Н
Wall	Н		
Dark Green Fritillary	Н		
White-letter Hairstreak		Η	Н
Small Blue			Н
Medium Priority Butterflies			
Small Heath	М	М	
Silver-washed Fritillary	М		М
White Admiral			М
Purple Emperor			
Green Hairstreak	М	М	
Total High Priority Butterflies	3	1	3
Total Medium Priority Butterflies	3	2	2
•	0	0	
Total High Priority Moths (A only)		_	0
Total Priority Species	6	3	5

Key to species status

- E Extinct
- R Re/introduced
- ? Status uncertain

Key to conservation delivery progress

Unknown

No conservation delivery: e.g. occasional recording of target species; target species monitored on few sites.

Limited conservation delivery: e.g. co-ordinated surveys undertaken enabling distribution of target species across the landscape to be mapped; co-ordinated monitoring undertaken across several sites, enabling assessment of target species abundance trends; management advice provided on some sites: recovery management implemented on some sites (e.g. work parties).

Full conservation delivery: e.g. co-ordinated monitoring programme established on many sites enabling assessment of target species abundance trend and effectiveness of conservation action; management advice given to landowners across whole site networks; co-ordinated programme of recovery management implemented across whole site networks; long-term sustainable management (e.g. agri-environment schemes) implemented across sites.

TABLE 5: WEST MIDLANDS REGIONAL CONSERVATION STRATEGY PRIORITY ACTIONS

TABLE 5: WEST MIDLANDS REGION	AL CO	NOLIV	A 11014 .	JINA	ILOI	1 11101	WIII AC	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Common Name	West Midlands RCS Threat Priority 2016-25	West Midlands RCS Conservation Priority 2016-25	West Midlands RCS Species Recovery Curve Stage 2016	Survey	Monitoring	Research Donot Management	Despoye Management Mosaic Management	Staff led	Input from staff	Volunteer led	Comment
High and Medium Priority Butterflies				1 22							
Wood White	Н	Α	4		T)	X	T			
Grayling	Н	Α	3				x x				
Pearl-bordered Fritillary	Н	Α	4				X				
Small Pearl-bordered Fritillary	Н	Α	3			X Z	ХХ				Research autecology: climate change; Mosaic management in part of range
Silver-studded Blue	Н	Α	4)	X X				
Dingy Skipper	Н	В	3/4			Χ	Х				Trial management: brownfields, woodland
Grizzled Skipper	Н	В	3/4			X	X				Trial management: brownfields
Wall	Н	В	2		_	X	X				Research: causes of decline
Large Heath	Н	В	3				X				
Dark Green Fritillary	Н	В	4				X				
High Brown Fritillary	Н	В	2			Х					Research: reintroduction feasibility in Malvern Hills and Wyre Forest
Brown Hairstreak	Н	В	4			_	x x				
White-letter Hairstreak	Н	В	3	X	Х	Х	Х				
Small Blue	Н	В	4				Х				
Small Heath	М	С	2			Х	Х				Research: causes of decline
Silver-washed Fritillary	M	C	5			^	X				Nessarch. Causes of decline
White Admiral	M	C	2			Х	X				Research autecology: climate change; trial management: woodland
Purple Emperor	M	C	4			_	X				record according, similar change, marmanagement recording
Green Hairstreak	M	C	2			X	X				Research: causes of decline
High Priority Moths (Conservation Priority Moths)	riority 4					^	Α.		_		Trestation states of admits
Sterrhopterix fusca	Н	A	1	X	Х	Х	Х	Т	S	V	Research autecology: identify threats at Fenn's and Whixall Mosses; liaise with site managers
Phyllonorycter sagitella	Н	A	2	X	X		X			V	Maintain survey effort; liaise with site managers & encourage site management to maintain range of age classes of Aspen
Agonopterix atomella	Н	A	3	X	<u> </u>		X		S	V	Maintain survey effort; liaise with site managers to maintain plentiful supply of dyer's greenweed
Dichomeris ustalella	Н	A	2	X	Х	X	X			V	Increase survey effort; establish monitoring programme
Celypha woodiana	Н	Α	3	X	X		X		S	V	Maintain survey effort; liaise with site managers to maintain annual supply of mistletoe
Ancylis tineana	Н	Α	2	X		Х	Х		S	_	Maintain survey effort; research autecology: identify threats at Fenn's and Whixall Mosses; liaise with site managers
Grapholita pallifrontana	Н	Α	3	X	X	_	X		S	V	Maintain survey effort; liaise with site managers
Welsh Clearwing	Н	Α	3	X	X			S			Maintain survey effort; liaise with site managers & ensure mature birch habitat continuity at Cannock Chase
Forester	Н	Α	2	X	Х	X			S	V	Undertake surveys to assess status in region; where present liaise with site managers & encourage age appropriate site management
Kentish Glory	Н	Α	2			Х			S	V	Undertake reintroduction feasibility study in Wyre Forest
Narrow-bordered Bee Hawk-moth	Н	Α	4	X	Х	Х		S			Maintain survey effort; liaise with site managers & undertake appropriate site management
Yellow-ringed Carpet	Н	Α	1	X	Х					V	Undertake surveys to assess status in region; liaise with appropriate site managers
Drab Looper	Н	Α	4	X	X			S			Maintain survey effort; liaise with site managers & encourage appropriate site management to maintain good stands of Wood Spurge
Argent & Sable	Н	Α	3/4	X	Х	X		S			Maintain survey effort; liaise with site managers & encourage appropriate site management
Barred Tooth-striped	Н	Α	3	X	Х		X	S			Maintain survey effort; liaise with site managers & encourage appropriate site management
Common Fan-foot	Н	Α	4	X	Х		Х		S	V	Maintain survey effort; liaise with site manager & encourage appropriate site management
White-spotted Pinion	Н	Α	4	X	Х		Х			V	Maintain survey effort; liaise with site manager & encourage appropriate site management
Silvery Arches	Н	Α	1	X	Х	Х	Х			V	Research: autecology & identify threats and status; liaise with site managers
Silurian	Н	Α	2	X	X		X		S	V	Maintain survey effort; liaise with site managers/interested parties

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.