

Species reference codes and names	Action type	Action code	Action text	Action lead	Ecosystem group 1	Ecosystem group 2	Ecosystem group 3	Delivery agent 1	Delivery agent 2	Delivery agent 3	UK Action	All Wales	Anglesey	Blaenau Gwent	Blaenau Gwent	Blaenau Gwent	Blaenau Gwent	Bridgend	Caerphilly	Cardiff	Cardiff	Ceredigion	Conwy	Danbighshire	Flintshire	Gwynedd	Merthyr Tydfil	Monmouthshire	Neath Port Talbot	Newport	Pembrokeshire	Powys	Rhondda Cynon Taff	Snowdonia	Swansea	Torfaen	Vale of Glamorgan	Wrexham							
2003 <i>Acronicta psi</i>	Grey Dagger	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2004 <i>Acronicta rumicis</i>	Knot Grass	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2011 <i>Agrochola helvola</i>	Flounced Chestnut	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2012 <i>Agrochola litura</i>	Brown-spot Pinion	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2013 <i>Agrochola lychnidis</i>	Beaded Chestnut	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2023 <i>Allophyes oxycanthae</i>	Green-brindled Crescent	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2030 <i>Amphipoea oclea</i>	Ear Moth	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2031 <i>Amphipyra tragopoginis</i>	Mouse Moth	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2045 <i>Apamea anceps</i>	Large Nutmeg	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2046 <i>Apamea remissa</i>	Dusky Brocade	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2050 <i>Aporophyla luteulenta</i>	Deep-brown Dart	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2053 <i>Arctia caja</i>	Garden Tiger	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
108 <i>Argynnis adippe</i>	High Brown Fritillary	Species Management	HB5.3.1	Ensure occupied sites are appropriately managed	BC	Grassland and Heathland	Woodland		CCW	LBAP																																	X		
108 <i>Argynnis adippe</i>	High Brown Fritillary	Habitat Creation/Restoration	HB5.3.2	Restore former breeding sites within colonisation range of remaining locality	BC	Grassland and Heathland	Woodland		CCW	LBAP								X																											
108 <i>Argynnis adippe</i>	High Brown Fritillary	Survey and Monitoring		Undertake annual monitoring	BC	Grassland and Heathland	Woodland		LBAP																																			X	
2067 <i>Asteroscopus sphinx</i>	The Sprawler	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2070 <i>Aethmia centrigo</i>	Centre-barred Sallow	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2082 <i>Blepharita adusta</i>	Dark Brocade	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
151 <i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	Habitat and Site Management	PBF5.3.1	Ensure occupied sites are appropriately managed	BC	Grassland and Heathland	Coastal		NT	CCW	MWT												X	X																					
151 <i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	Habitat Creation/Restoration	PBF5.3.2	Restore former breeding sites within colonisation range of existing sites	BC	Grassland and Heathland	Coastal		NT	CCW	MWT												X	X																					
151 <i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	Survey and Monitoring		Undertake annual monitoring of key populations	BC	Grassland and Heathland	Coastal		NT	CCW	MWT												X	X																					
2094 <i>Brachylomia viminalis</i>	Minor Shoulder-knot	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2128 <i>Caradrina morpheus</i>	Mottled Rustic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2138 <i>Celaena haworthii</i>	Haworth's Minor	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2139 <i>Celaena leucostigma</i>	The Crescent	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2163 <i>Chesias legatella</i>	The Streak	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2164 <i>Chesias rufata</i>	Broom-tip	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities		X																																		
2165 <i>Chiasmia clathrata</i>	Latticed Heath	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2183 <i>Coenonympha pamphilus</i>	Small Heath	Research	RL1	Investigate the effects of land use policy and management	BC	N/A	N/A	N/A	Universities	BC	X																																		
254 <i>Cyclophora pendularia</i>	Dingy Mocha	Survey and Monitoring	DM5.5.1	Determine status of species in Wales	CCW	Coastal			BC	NT																																			
2207 <i>Cymatophora diluta</i>	Oak Lutestring	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2216 <i>Dasyptilia templi</i>	Brindled Ochre	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2219 <i>Diarsia rubi</i>	Small Square-spot	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2224 <i>Diloba caeruleocephala</i>	Figure Of Eight	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2236 <i>Ecliptopera silaceata</i>	Small Phoenix	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2241 <i>Ennomos erosaria</i>	September Thorn	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2242 <i>Ennomos fuscantaria</i>	Dusky Thorn	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2243 <i>Ennomos quercinaria</i>	August Thorn	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2244 <i>Entephria caesiata</i>	Grey Mountain Carpet	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities		X																																		
2249 <i>Epirrhoe galata</i>	Galium Carpet	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2258 <i>Eugnorisma glareosa</i>	Autumnal Rustic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC	X																																		
2259 <i>Eulithis mellinata</i>	The Spinach	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities		X																																		

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300 <i>Euphydryas aurinia</i>	Marsh Fritillary	Funding and Incentives - Structure of Schemes	MF5.1.2	Ensure incentives available for habitat management as part of AES	WAG	Grassland and Heathland			CCW			X																										
300 <i>Euphydryas aurinia</i>	Marsh Fritillary	Habitat and Site Management	MF5.3.1	Ensure occupied sites are appropriately managed	BC	Grassland and Heathland			WAG	CCW	Landowners/managers		X			X	X						X	X		X	X	X	X	X	X	X	X					
300 <i>Euphydryas aurinia</i>	Marsh Fritillary	Habitat Creation/Restoration		Restore potential breeding habitat within existing metapopulations	BC	Grassland and Heathland			CCW	WTW	Landowners/managers						X	X								X		X	X	X	X	X						
300 <i>Euphydryas aurinia</i>	Marsh Fritillary	Survey and Monitoring		Establish a network of annually monitored sites	BC	Grassland and Heathland			CCW	LBAP		X	X			X	X						X	X		X	X	X	X	X	X	X						
2269 <i>Euxoa nigricans</i>	Garden Dart	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2297 <i>Graphiphora augur</i>	Double Dart	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities			X																										
358 <i>Hemaris tityus</i>	Narrow-bordered Bee Hawk-moth	Habitat and Site Management	NBBHM5.2.1	Ensure occupied sites are appropriately managed	BC	Grassland and Heathland	Coastal		NT	CCW	RAF								X				X			X				X	?	X						
358 <i>Hemaris tityus</i>	Narrow-bordered Bee Hawk-moth	Habitat Creation/Restoration	NBBHM5.2.2	Increase the area of habitat and link existing fragments	BC	Grassland and Heathland	Coastal		CCW	LBAP									X				X			X				X	?	X						
358 <i>Hemaris tityus</i>	Narrow-bordered Bee Hawk-moth	Survey and Monitoring	NBBHM5.5.1	Undertake surveillance to determine status	BC	Grassland and Heathland			CCW	NT									X				X			X				X	?	X						
358 <i>Hemaris tityus</i>	Narrow-bordered Bee Hawk-moth	Research	NBBHM5.5.2	Conduct autecological research to determine habitat requirements	BC	Grassland and Heathland			BC	Universities									X				X			X			X	?	X							
2315 <i>Hemistola chrysoprasaria</i>	Small Emerald	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2316 <i>Hepialus humuli</i>	Ghost Moth	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2340 <i>Hoplodrina blanda</i>	The Rustic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2342 <i>Hydraecia micacea</i>	Rosy Rustic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
389 <i>Idaea dilutaria</i>	Silky Wave	Species Management	SW5.2.1	Ensure occupied sites are appropriately managed	BC	Coastal	Grassland and Heathland		LBAP	WTSWW	CCW																										X	
390 <i>Idaea dilutaria</i>	Silky Wave	Habitat Creation/Restoration	SW5.2.2	Increase the area of habitat and link existing fragments	BC	Coastal	Grassland and Heathland		LBAP	WTSWW	CCW																										X	
391 <i>Idaea dilutaria</i>	Silky Wave	Survey and Monitoring	SW5.5.1	Undertake surveillance to determine status	BC	Coastal			LBAP	WTSWW																											X	
392 <i>Jodia croceago</i>	Orange Upperwing	Survey and Monitoring	OU5.5.1	Determine status of species in Wales - No known colonies	BC	Woodland																																
2398 <i>Lycia hirtaria</i>	Brindled Beauty	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
430 <i>Lycia zonaria subsp. britannica</i>	Belted Beauty	Species Management		Rescue final population and re-introduce to protected, suitable site	CCW	Coastal			CCW				X																									
430 <i>Lycia zonaria subsp. britannica</i>	Belted Beauty	Survey and Monitoring	BB5.5.2	Continue annual surveillance	CCW	Coastal			LBAP	BC			X																									
2401 <i>Macaria wauaria</i>	V-moth	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities			X																										
2403 <i>Malacosoma neustria</i>	The Lackey	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2413 <i>Melanchnra persicariae</i>	Dot Moth	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2414 <i>Melanchnra pisi</i>	Broom Moth	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2417 <i>Melanthia procellata</i>	Pretty Chalk Carpet	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2425 <i>Mesoligia literosa</i>	Rosy Minor	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2445 <i>Mythimna comma</i>	Shoulder-striped Wainscot	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2474 <i>Orthonama vittata</i>	Oblique Carpet	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2475 <i>Orthosia gracilis</i>	Powdered Quaker	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2491 <i>Pelurga comitata</i>	Dark Spinach	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2492 <i>Perizoma albulata subsp. albulata</i>	Grass Rivulet	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities			X																										
522 <i>Plebejus argus</i>	Silver-studded Blue	Habitat and Site Management	SSB5.3.1	Ensure occupied sites are appropriately managed	BC	Coastal	Grassland and Heathland		CCW	LBAP	Landowners/managers		X															X										
522 <i>Plebejus argus</i>	Silver-studded Blue	Habitat Creation/Restoration	SSB5.3.2	Restore habitat close to existing populations to encourage nature spread	BC	Coastal	Grassland and Heathland		CCW	LBAP	Landowners/managers		X															X										
522 <i>Plebejus argus</i>	Silver-studded Blue	Survey and Monitoring		Undertake annual monitoring of key populations	BC	Coastal	Grassland and Heathland		CCW	RSPB	LBAP		X															X										
549 <i>Rheumaptera hastata</i>	Argent and Sable	Habitat and Site Management	AS5.2.1	Ensure occupied sites are appropriately managed	CCW	Wetlands	Woodland		FCW															X														X
549 <i>Rheumaptera hastata</i>	Argent and Sable	Habitat Creation/Restoration	AS5.2.2	Increase the area of habitat and link existing fragments	CCW	Wetlands	Woodland		FCW															X														X
549 <i>Rheumaptera hastata</i>	Argent and Sable	Survey and Monitoring	AS5.5.1	Undertake surveillance to determine status	CCW	Wetlands			BC															X														X
549 <i>Rheumaptera hastata</i>	Argent and Sable	Research	AS5.5.2	Conduct autecological research to determine habitat requirements	BC	Wetlands			CCW	Universities		X																										
2595 <i>Scopula marginipunctata</i>	Mullein Wave	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2596 <i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2619 <i>Spilosoma lubricipeda</i>	White Ermine	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2620 <i>Spilosoma luteum</i>	Buff Ermine	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										
2632 <i>Stibia anomala</i>	The Anomalous	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																										

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	<i>Synanthedon scoliaeformis</i>	Welsh Clearwing	Funding and Incentives - Structure of Schemes	WCW5.2.1	Through AES ensure maintenance of mature birch trees and establishment of replacement trees	BC	Upland	Woodland		WAG	CCW		X																																
	<i>Synanthedon scoliaeformis</i>	Welsh Clearwing	Species Management	WCW5.3.1	Ensure continuity of suitable trees	BC	Upland	Woodland		CCW	RSPB	NT														X						X													
	<i>Synanthedon scoliaeformis</i>	Welsh Clearwing	Communication - advisory	WCW5.4.1	Establish an Action Group to advise landowners/ managers	BC	Upland	Woodland		SNPA	CCW	Landowners/managers														X						X													
	<i>Synanthedon scoliaeformis</i>	Welsh Clearwing	Survey and Monitoring	WCW5.5.1	Surveillance of all known sites every five years	BC	Upland	Woodland		CCW															X						X														
2654	<i>Thecia betulae</i>	Brown Hairstreak	Policy and Legislation	BHS5.2.1	Ensure rotational hedgerow management is a requirement of SFP	WAG	Lowland Farmland			CCW	BC		X																																
2654	<i>Thecia betulae</i>	Brown Hairstreak	Communication - advisory	BHS5.4.1	Establish an Action Group to advise landowners/ managers	BC	Lowland Farmland			WAG	CCW	LBAP										X	X								X														
2654	<i>Thecia betulae</i>	Brown Hairstreak	Survey and Monitoring	BHS5.5	Undertake annual monitoring of key populations	BC	Lowland Farmland			CCW	LBAP																				X														
2655	<i>Tholera cespitis</i>	Hedge Rustic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2656	<i>Tholera decimialis</i>	Feathered Gothic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2659	<i>Timandra comae</i>	Blood-vein	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2670	<i>Trichiura crataegi</i>	Pale Eggar	Research		Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities			X																																
2679	<i>Tyria jacobaeae</i>	The Cinnabar	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2700	<i>Watsonalla binaria</i>	Oak Hook-tip	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2703	<i>Xanthia gilvago</i>	Dusky-lemon Sallow	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2704	<i>Xanthia icterita</i>	The Sallow	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2705	<i>Xanthorhoe decoloraria</i>	Red Carpet	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2706	<i>Xanthorhoe ferrugata</i>	Dark-barred Twin-spot Carpet	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2707	<i>Xestia agathina</i>	Heath Rustic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																
2708	<i>Xestia castanea</i>	Neglected Rustic	Research	RL2	Investigate the underlying drivers causing species decline.	BC	N/A	N/A	N/A	Universities	BC		X																																