



## Notes on the Scottish Macro-moth List, 2012

This list aims to include every species of macro-moth reliably recorded from Scotland, together with an assessment of its Scottish as opposed to UK status, as guidance for observers contributing to the NMRS. It updates and corrects the previous versions published in 2009 and 2011, but should still be regarded as provisional.

At one time or another, virtually every macro-moth on the British list has been reported from Scotland. However, many of these claims are almost certainly misidentifications or clerical errors, including name confusion. Black Arches *Lymantria monacha* is surely an unmistakable species, but two modern Scottish records turned out to be typos - one for Black Rustic and the other for Dark Arches! Note that inclusion in the *Scottish Insect Records Index (SIRI)* does not imply credibility. For example, three old *SIRI* sightings of Cloaked Carpet *Euphyia biangulata* in SW Scotland are dated 29 September 1897, 14 May & 11 November 1906 – yet July is the flight time of this species.

A modern complication involves the unwitting transport of non-native species inside the traps of visiting observers; these are then included in the next night's catch. I know of three such instances in my own vice-county, Banffshire. All were subsequently withdrawn by the observers when the likelihood of importation was raised. Unexpected species in visitors' traps on the night of arrival should always be regarded with caution.

Therefore species considered highly improbable or whose origin was suspect are not included in this list. They include 19<sup>th</sup> century records of Speckled Beauty *Fajivorina arenaria* and Waved Black *Parascotia fuliginaria* from Perthshire, plus unlikely records from the Rothamsted database with no supportive evidence. Old or unconfirmed records that seem more plausible have been relegated to an appendix. It is probable that some of these species will be promoted to the main list when further evidence comes to light. Because CMRs were allowed the final say, various species not on the Scottish list show dots for Scotland in the NMRS atlas. I would be delighted to receive records backed by photographic evidence for Horse Chestnut *Pachycnemia hippocastanaria*, Privet Hawk-moth *Sphinx ligustri*, Wormwood *Cucullia absinthii*, or indeed any other species not presently included.

Assessments of Scottish status have been revised where necessary, following the publication of the NMRS atlas in 2010. Even so, they remain to some extent subjective and provisional. Moreover, the status of our moths is changing rapidly at present, with species expanding northwards in response to climate change. Scotland has gained many new colonists in the last decade, while some residents have undergone spectacular increases in range. It can be hard to keep up!

Geographical terms used in this list are very broad; for instance S means south of the River Tay, while E and W divide the country roughly in two. Note that UK designations such as Na and RDB still apply, though they have not been repeated. Ironically, perhaps the rarest moths in Scotland are not its celebrated Highland specialities but more southern species with just a foothold in the country. Currently, Shuttle-shaped Dart *Agrotis puta* is almost certainly scarcer here than Cousin German *Protolampra sobrina*, for example.

The list and status assessments will be updated regularly as NMRS data increase or clarify our knowledge of Scottish moths. In the meantime, observers are encouraged to point out any errors or omissions and to suggest amendments. Candidate species for admission to the Scottish list should be supported by definite evidence such as a specimen or photograph. A recent major development has been the creation of a Scottish Digital Vault to hold important voucher photographs for every vice-county, on the initiative of Mark Cubitt. It has made the updating of this list much easier. Most CMRs

have welcomed this scheme with the enthusiasm it deserves and take-up has been good. The south-western counties VC72-74, so rich in species at the edge of their British range, were previously poorly documented. They are now particularly well represented in the vault, thanks to the efforts of Keith Naylor, and even have their own website, Dumfries & Galloway Moths.

### Species added since the previous version (February 2011)

Only two completely new species of macro-moth were added to the Scottish List in 2011. Partly this is because the backlog of acceptable older records has largely been cleared. Clay Triple-lines *Cyclophora linearia* one, 27 July 2011, Mabie Forest, VC73, Jessie Wormell. Colonist? Conformist *Lithophane furcifera* one, 9 April 2011, Insh Marshes, VC96, M. Deans & P. Bryant. Status uncertain: probable immigrant but possible resident (Deans & Bryant, 2011).

### Species upgraded from Appendix

Two species with previously unconfirmed Scottish records have now been placed on the main list. Maple Pug *Eupithecia inturbata* one, 11 July 2011, Tweedbank, VC80, Andrew Bramhall; one, 29 July 2011, Nether Blainslie, VC80, Andrew Fitchett, Recent colonist? Old RIS records still considered unlikely. (Leverton, Bramhall & Fitchett, 2011). (Four Maple Pugs were caught at Darlington in 2011, the first Durham records since 1860.)

Northern Drab *Orthosia opima* many, 1952-1956, Gordon Moss, VC81, E. C. Pelham-Clinton *et al.* Eight specimens in E.C.P.-C.'s collection, National Museums of Scotland, Edinburgh (Barry Prater). Present status of the moth is unknown. Other Scottish records are still considered unlikely.

These changes bring the total of macro-moths (including swifts, burnets etc.) on the main Scottish list to 557, though this includes species that are long extinct in Scotland, as well as rare migrants and adventives. A further 21 species are considered possible but unproven.

Besides these new additions, there have been some notable recent sightings and range expansions. In most cases a voucher photograph may be seen in the relevant VC digital vault.

Buff Arches *Habrosyne pyritoides* VC84, 22 July 2011 (Greg Fitchett) – range expansion?

Figure of Eighty *Tethea ocularis* VC84, 26 June 2011 (Mark Cubitt) – range expansion?

Cloaked Carpet *Euphyia biangulata* VC73, 21 July 2011 (P. Higginson) 3rd confirmed Scottish record.

Plain Pug *Eupithecia simpliciatata* VC74, 8 July 2011 (K. McCabe) - only the second Scottish site.

Sloe Pug *Pasiphila chloerata* Durisdeer, VC72, 10 July 2011 (Caroline Allen) - 2nd Scottish record.

August Thorn *Ennomos quercinaria*, VC106, 28 Sept 2011 (Nigel Richards) – previously SW only.

Red-necked Footman *Atolmis rubricollis*, larva, VC92 (Helen Rowe) – continuing range expansion.

Buff Footman *Eilema depressa* VC86, 11 July 2011 (John Knowler) – continuing range expansion.

Sand Dart *Agrotis ripae* VC75, 19 June 2011 (Jessie Wormell) – first modern SW record.

Shore Wainscot *Mythimna litoralis* VC73, 19 July 2011 (S. Morgan) – first modern SW record.

Tawny Pinion *Lithophane semibrunnea* VC73, 29 Oct 2011, John & Heather Clark, 2<sup>nd</sup> Scottish record.

Crescent Striped *Apamea oblonga* VC87, 30 July 1999 (S. Little) – very few Scottish records.

Small Marbled *Eublemma parva* VC84, 4 Jul 2011 (Carina Covery) & VC100, 27 Jul 2011 (Glyn Collis).

A large number of observers, internet forums and record centres have contributed either directly or indirectly to the creation of this list. Grateful thanks to them all.

### References

Deans, M. & Bryant, P., 2011. An early season trip to the Scottish Highlands and the surprise capture of a Conformist *Lithophane furcifera furcifera* (Hufn.) *Atropos* 44: 11-19.

Leverton, R., Bramhall, A., & Fitchett, A., 2011. Maple Pug *Eupithecia inturbata* (Hubner) (Lep.: Geometridae) in Roxburghshire, the first confirmed Scottish records. *Ent. Rec.* 123: 238-239.

Roy Leverton January 2012.

**Scottish Macro Moth List - January 2012, Version 3**

**Guidance notes accompany this list.**

<b>Vernacular</b>	<b>Code</b>	<b>Taxon</b>	<b>UK Status</b>	<b>Scottish Status (provisional)</b>
Ghost Moth	14	<i>Hepialus humuli</i>	Common	Common
Orange Swift	15	<i>Hepialus sylvina</i>	Common	Local
Gold Swift	16	<i>Hepialus hecta</i>	Local	Common
Common Swift	17	<i>Hepialus lupulinus</i>	Common	Widespread but local?
Map-winged Swift	18	<i>Hepialus fusconebulosa</i>	Local	Common
Goat Moth	162	<i>Cossus cossus</i>	Nb	Very local, N
Forester	163	<i>Adscita statices</i>	Local	Very local, W
Scotch Burnet	166	<i>Zygaena exulans</i>	RDB3	Very local, NE
Slender Scotch Burnet	167	<i>Zygaena loti</i>	RDB3	Very local, W
New Forest Burnet	168	<i>Zygaena viciae</i>	RDB1	Very local, W
Six-spot Burnet	169	<i>Zygaena filipendulae</i>	Common	Common but largely coastal
Narrow-bordered Five-spot Burnet	171	<i>Zygaena lonicerae</i>	Common	Local, S & W, spreading
Transparent Burnet	172	<i>Zygaena purpuralis</i>	Na	Local, W
Lunar Hornet Moth	371	<i>Sesia bembeciformis</i>	Common	Widespread; overlooked?
Currant Clearwing	373	<i>Synanthedon salmachus</i>	Nb	Scarce, declining; confirmed from VC80 in 2010
Welsh Clearwing	376	<i>Synanthedon scoliaeformis</i>	RDB3	Very local, Highlands
Red-tipped Clearwing	380	<i>Synanthedon formicaeformis</i>	Nb	Very local SW, last record 1942
Large Red-belted Clearwing	381	<i>Synanthedon culiciformis</i>	Nb	Local, N
Thrift Clearwing	383	<i>Synansphecica muscaeformis</i>	Nb	Local, coastal, SW & NE
December Moth	1631	<i>Poecilocampa populi</i>	Common	Common
Pale Eggar	1632	<i>Trichiura crataegi</i>	Common	Widespread
Small Eggar	1633	<i>Eriogaster lanestris</i>	Nb	Extinct; formerly scarce S
Northern Eggar	1637	<i>Lasiocampa quercus f. callunae</i>	Common	Common
Fox Moth	1638	<i>Macrothylacia rubi</i>	Common	Common
Pine-tree Lappet	1639	<i>Dendrolimus pini</i>		Very local N; overlooked resident?
Drinker	1640	<i>Euthrix potatoria</i>	Common	Common W, absent E
Emperor Moth	1643	<i>Saturnia pavonia</i>	Common	Common
Kentish Glory	1644	<i>Endromis versicolora</i>	Na	Local, Highlands
Scalloped Hook-tip	1645	<i>Falcaria lacertinaria</i>	Common	Widespread
Oak Hook-tip	1646	<i>Drepana binaria</i>	Common	Stray or colonist, S
Pebble Hook-tip	1648	<i>Drepana falcataria</i>	Common	Widespread
Chinese Character	1651	<i>Cilix glaucata</i>	Common	Local, SE & W
Peach Blossom	1652	<i>Thyatira batis</i>	Common	Widespread
Buff Arches	1653	<i>Habrosyne pyritoides</i>	Common	Local, SW; one in VC84, 2011
Figure of Eighty	1654	<i>Tethea ocularis</i>	Common	Recent colonist, S; reached VC84 in 2011
Poplar Lutestring	1655	<i>Tethea or</i>	Local	Widespread, Highlands
Satin Lutestring	1656	<i>Tetheella fluctuosa</i>	Local	Very local, NW (Great Glen)
Common Lutestring	1657	<i>Ochropacha duplaris</i>	Common	Common
Yellow Horned	1659	<i>Achlya flavicornis</i>	Common	Common
Orange Underwing	1661	<i>Archiearis parthenias</i>	Local	Widespread, mainly Highlands & SW
March Moth	1663	<i>Alsophila aescularia</i>	Common	Widespread
Grass Emerald	1665	<i>Pseudoterpna pruinata</i>	Common	Local, SW
Large Emerald	1666	<i>Geometra papilionaria</i>	Common	Common
Common Emerald	1669	<i>Hemitheia aestivaria</i>	Common	Scarce, extreme SW? Scarce adventive with clematis? No recent record.
Small Emerald	1673	<i>Hemistola chrysoprasaria</i>	Local	Local and scarce, W
Little Emerald	1674	<i>Jodis lactearia</i>	Common	Local and scarce, W
Birch Mocha	1677	<i>Cyclophora albipunctata</i>	Local	Widespread, Highlands

Maiden's Blush	1680	<i>Cyclophora punctaria</i>	Local	Very local, no recent record
Clay Triple-lines	1681	<i>Cyclophora linearia</i>	Local	VC73, one in 2011
Blood-vein	1682	<i>Timandra comae</i>	Common	Stray or migrant, mainly Northern Isles
Mullein Wave	1689	<i>Scopula marginepunctata</i>	Local	Local & scarce, SW
Lesser Cream Wave	1692	<i>Scopula immutata</i>	Local	Local & scarce, SW
Cream Wave	1693	<i>Scopula floslactata</i>	Local	Widespread, mainly W
Smoky Wave	1694	<i>Scopula ternata</i>	Local	Widespread, mainly Highlands
Small Fan-footed Wave	1702	<i>Idaea biselata</i>	Common	Common
Small Dusty Wave	1707	<i>Idaea seriata</i>	Common	Widespread E, towns & coast
Single-dotted Wave	1708	<i>Idaea dimidiata</i>	Common	Local, mainly S
Satin Wave	1709	<i>Idaea subsericeata</i>	Common	Local & scarce SW?
Riband Wave	1713	<i>Idaea aversata</i>	Common	Common
Plain Wave	1715	<i>Idaea straminata</i>	Local	Widespread
Vestal	1716	<i>Rhodometra sacraria</i>	Migrant	Scarce migrant
Oblique Carpet	1719	<i>Orthonama vittata</i>	Local	Local and scarce
Gem	1720	<i>Orthonama obstipata</i>	Migrant	Scarce migrant
Flame Carpet	1722	<i>Xanthorhoe designata</i>	Common	Common
Red Carpet	1723	<i>Xanthorhoe decoloraria</i>	Common	Widespread, but declining?
Red Twin-spot Carpet	1724	<i>Xanthorhoe spadicearia</i>	Common	Common
Dark-barred Twin-spot Carpet	1725	<i>Xanthorhoe ferrugata</i>	Common	Common W, scarce E
Silver-ground Carpet	1727	<i>Xanthorhoe montanata</i>	Common	Abundant
Garden Carpet	1728	<i>Xanthorhoe fluctuata</i>	Common	Common
Shaded Broad-bar	1732	<i>Scotopteryx chenopodiata</i>	Common	Common
Lead Belle	1733	<i>Scotopteryx mucronata</i>	Common	Widespread, mainly Highlands?
July Belle	1734	<i>Scotopteryx luridata</i>	Common	Widespread, mainly E
Royal Mantle	1736	<i>Catarhoe cuculata</i>	Local	Very local & scarce, E central
Small Argent & Sable	1737	<i>Epirrhoe tristata</i>	Common	Widespread
Common Carpet	1738	<i>Epirrhoe alternata</i>	Common	Common
Wood Carpet	1739	<i>Epirrhoe rivata</i>	Local	Local & scarce, S?
Galium Carpet	1740	<i>Epirrhoe galiata</i>	Local	Local and scattered, basic rocks
Yellow Shell	1742	<i>Campptogramma bilineata</i>	Common	Common
Yellow-ringed Carpet	1743	<i>Entephria flavicinctata</i>	Nb	Local, mainly W
Grey Mountain Carpet	1744	<i>Entephria caesiata</i>	Common	Common but declining?
Mallow	1745	<i>Larentia clavaria</i>	Common	Scarce & local S, no recent records
Shoulder Stripe	1746	<i>Anticlea badiata</i>	Common	Widespread, lower ground?
Streamer	1747	<i>Anticlea derivata</i>	Common	Common
Beautiful Carpet	1748	<i>Mesoleuca albicillata</i>	Common	Widespread but infrequent?
Dark Spinach	1749	<i>Pelurga comitata</i>	Common	Local & scarce, mainly coastal
Water Carpet	1750	<i>Lampropteryx suffumata</i>	Common	Common
Purple Bar	1752	<i>Cosmorhoe ocellata</i>	Common	Common
Striped Twin-spot Carpet	1753	<i>Nebula salicata</i>	Common	Local
Phoenix	1754	<i>Eulithis prunata</i>	Common	Local and infrequent, mainly gardens
Chevron	1755	<i>Eulithis testata</i>	Common	Common
Northern Spinach	1756	<i>Eulithis populata</i>	Common	Common
Spinach	1757	<i>Eulithis mellinata</i>	Common	Local & scarce: severe decline
Barred Straw	1758	<i>Eulithis pyraliata</i>	Common	Common
Small Phoenix	1759	<i>Ecliptopera silaceata</i>	Common	Common
Red-green Carpet	1760	<i>Chloroclysta siterata</i>	Common	Common
Autumn Green Carpet	1761	<i>Chloroclysta miata</i>	Local	Common
Dark Marbled Carpet	1762	<i>Chloroclysta citrata</i>	Common	Abundant
Arran Carpet	1763	<i>Chloroclysta concinnata</i>	Na	Local, Arran and Hebrides only

Common Marbled Carpet	1764	<i>Chloroclysta truncata</i>	Common	Common
Barred Yellow	1765	<i>Cidaria fulvata</i>	Common	Common
Blue-bordered Carpet	1766	<i>Plemyria rubiginata</i>	Common	Common
Pine Carpet	1767	<i>Thera firmata</i>	Common	Common
Grey Pine Carpet	1768	<i>Thera obeliscata</i>	Common	Common
Spruce Carpet	1769	<i>Thera britannica</i>	Common	Common, extending range N
Chestnut-coloured Carpet	1770	<i>Thera cognata</i>	Nb	Local, mainly Highlands
Juniper Carpet	1771	<i>Thera juniperata</i>	Common	Local, mainly Highlands
Broken-barred Carpet	1773	<i>Electrophaes corylata</i>	Common	Common
Beech-green Carpet	1774	<i>Colostygia olivata</i>	Local	Widespread
Mottled Grey	1775	<i>Colostygia multistrigaria</i>	Common	Common
Green Carpet	1776	<i>Colostygia pectinataria</i>	Common	Common
July Highflyer	1777	<i>Hydriomena furcata</i>	Common	Abundant
May Highflyer	1778	<i>Hydriomena impluviata</i>	Common	Common
Ruddy Highflyer	1779	<i>Hydriomena ruberata</i>	Local	Widespread, mainly W
Slender-striped Rufous	1780	<i>Coenocalpe lapidata</i>	RDB3	Local, mainly W & N
Argent & Sable	1787	<i>Rheumaptera hastata</i>	Nb	Widespread W, absent E
Scarce Tissue	1788	<i>Rheumaptera cervinalis</i>	Local	Local S, expanding range in E
Scallop Shell	1789	<i>Rheumaptera undulata</i>	Common	Local, SW
Tissue	1790	<i>Triphosa dubitata</i>	Local	Scarce SW, stray elsewhere?
Cloaked Carpet	1793	<i>Euphyia biangulata</i>	Nb	Scarce or stray, SW
November Moth	1795	<i>Epirrita dilutata</i>	Common	Common
Pale November Moth	1796	<i>Epirrita christyi</i>	Common	Widespread, increasing?
Autumnal Moth	1797	<i>Epirrita autumnata</i>	Common	Common
Small Autumnal Moth	1798	<i>Epirrita filigrammaria</i>	Common	Widespread
Winter Moth	1799	<i>Operophtera brumata</i>	Common	Abundant
Northern Winter Moth	1800	<i>Operophtera fagata</i>	Common	Common
Barred Carpet	1801	<i>Perizoma taeniata</i>	Na	Very local but expanding, mainly W
Rivulet	1802	<i>Perizoma affinitata</i>	Common	Common
Small Rivulet	1803	<i>Perizoma alchemillata</i>	Common	Common
Barred Rivulet	1804	<i>Perizoma bifaciata</i>	Local	Local and coastal, mainly S
Heath Rivulet	1805	<i>Perizoma minorata</i>	Nb	Local and elusive, Highlands
Pretty Pinion	1806	<i>Perizoma blandiata</i>	Nb	Widespread, mainly Highlands
Grass Rivulet	1807	<i>Perizoma albulata</i>	Local	Widespread
Sandy Carpet	1808	<i>Perizoma flavofasciata</i>	Common	Common, recent range expansion
Twin-spot Carpet	1809	<i>Perizoma didymata</i>	Common	Abundant
Slender Pug	1811	<i>Eupithecia tenuiata</i>	Common	Widespread
Maple Pug	1812	<i>Eupithecia inturbata</i>	Local	VC80, two in 2011
Lead-coloured Pug	1814	<i>Eupithecia plumbeolata</i>	Nb	Local and scarce
Cloaked Pug	1815	<i>Eupithecia abietaria</i>	Uncommon/immig.	Sporadic and rare
Toadflax Pug	1816	<i>Eupithecia linariata</i>	Common	Local, mainly Central Belt
Foxglove Pug	1817	<i>Eupithecia pulchellata</i>	Common	Common
Mottled Pug	1819	<i>Eupithecia exiguata</i>	Common	Local, mainly S & E
Valerian Pug	1821	<i>Eupithecia valerianata</i>	Nb	Local, scattered
Marsh Pug	1822	<i>Eupithecia pygmaeata</i>	Local	Local, mainly E?
Netted Pug	1823	<i>Eupithecia venosata</i>	Local	Local, mainly coastal
Lime-speck Pug	1825	<i>Eupithecia centaureata</i>	Common	Widespread but mainly coastal
Triple-spotted Pug	1826	<i>Eupithecia trisignaria</i>	Local	Local and infrequent
Freyer's Pug	1827	<i>Eupithecia intricata</i>	Common	Widespread; ssp. millieraria in Highlands
Satyr Pug	1828	<i>Eupithecia satyrata</i>	Common	Common
Wormwood Pug	1830	<i>Eupithecia absinthiata</i>	Common	Common
Currant Pug	1832	<i>Eupithecia assimilata</i>	Common	Common, mainly gardens

Bleached Pug	1833	<i>Eupithecia expallidata</i>	Nb	Local and infrequent, W
Common Pug	1834	<i>Eupithecia vulgata</i>	Common	Common
White-spotted Pug	1835	<i>Eupithecia tripunctaria</i>	Local	Widespread but infrequent?
Grey Pug	1837	<i>Eupithecia subfuscata</i>	Common	Common
Tawny Speckled Pug	1838	<i>Eupithecia icterata</i>	Common	Common
Bordered Pug	1839	<i>Eupithecia succenturiata</i>	Common	Local, mainly Central Belt
Shaded Pug	1840	<i>Eupithecia subumbrata</i>	Local	Local, scarce or overlooked, W
Plain Pug	1842	<i>Eupithecia simpliciatata</i>	Local	VC86 four, 1982-86. VC74 in 2011
Thyme Pug	1843	<i>Eupithecia distinctaria</i>	Nb	Very local, mainly W
Ochreous Pug	1844	<i>Eupithecia indigata</i>	Common	Common
Narrow-winged Pug	1846	<i>Eupithecia nanata</i>	Common	Common
Angle-barred Pug	1849	<i>Eupithecia innotata</i>	Common	Widespread but infrequent
Golden-rod Pug	1851	<i>Eupithecia virgaureata</i>	Local	Common
Brindled Pug	1852	<i>Eupithecia abbreviata</i>	Common	Common
Oak-tree Pug	1853	<i>Eupithecia dodoneata</i>	Common	Recent colonist, first 2008, SW
Juniper Pug	1854	<i>Eupithecia pusillata</i>	Common	Common
Larch Pug	1856	<i>Eupithecia lariciata</i>	Common	Common
Dwarf Pug	1857	<i>Eupithecia tantillaria</i>	Common	Common
V-Pug	1858	<i>Chloroclystis v-ata</i>	Common	Common, S & W
Sloe Pug	1859	<i>Pasiphila chloerata</i>	Common	VC73 in 1998, VC72 in 2011
Green Pug	1860	<i>Pasiphila rectangulata</i>	Common	Common
Bilberry Pug	1861	<i>Pasiphila debiliata</i>	Nb	Very local & scarce, SW?
Double-striped Pug	1862	<i>Gymnoscelis rufifasciata</i>	Common	Common
Streak	1864	<i>Chesias legatella</i>	Common	Common
Broom-tip	1865	<i>Chesias rufata</i>	Nb	Local, mainly E
Manchester Treble-bar	1866	<i>Carsia sororiata</i>	Nb	Widespread
Treble-bar	1867	<i>Aplocera plagiata</i>	Common	Common
Lesser Treble-bar	1868	<i>Aplocera efformata</i>	Common	Recent colonist, Lothians
Chimney Sweeper	1870	<i>Odezia atrata</i>	Common	Widespread
Welsh Wave	1873	<i>Venusia cambrica</i>	Local	Common
Dingy Shell	1874	<i>Euchoeca nebulata</i>	Local	Local, S & E
Small White Wave	1875	<i>Asthena albulata</i>	Common	Very local and scattered
Small Yellow Wave	1876	<i>Hydrelia flammeolaria</i>	Common	Local, central area and Borders
Seraphim	1879	<i>Lobophora halterata</i>	Local	Widespread, mainly Highlands
Barred Tooth-striped	1880	<i>Trichopteryx polycommata</i>	Na	Very local, mainly Great Glen
Early Tooth-striped	1881	<i>Trichopteryx carpinata</i>	Common	Common
Small Seraphim	1882	<i>Pterapherapteryx sexalata</i>	Local	Very local and infrequent, SW?
Yellow-barred Brindle	1883	<i>Acasis viretata</i>	Local	Widespread after recent expansion
Magpie Moth	1884	<i>Abraxas grossulariata</i>	Common	Abundant N & W, scarce and coastal S & E
Clouded Magpie	1885	<i>Abraxas sylvata</i>	Local	Very local, SW
Clouded Border	1887	<i>Lomaspilis marginata</i>	Common	Common
Peacock Moth	1889	<i>Macaria notata</i>	Local	Widespread, Highlands & Hebrides only
Sharp-angled Peacock	1890	<i>Macaria alternata</i>	Local	Very local resident, Highlands
Tawny-barred Angle	1893	<i>Macaria liturata</i>	Common	Common
Latticed Heath	1894	<i>Chiasmia clathrata</i>	Common	Common S, expanding northwards?
Netted Mountain Moth	1895	<i>Macaria carbonaria</i>	RDB3	Very local, central Highlands
Rannoch Looper	1896	<i>Itame brunneata</i>	Na	Local, Highlands
V-Moth	1897	<i>Macaria wauaria</i>	Local	Scarce after major decline
Frosted Yellow	1899	<i>Isturgia limbaria</i>	Extinct	Extinct; formerly very local
Brown Silver-line	1902	<i>Petrophora chlorosata</i>	Common	Common
Barred Umber	1903	<i>Plagodis pulveraria</i>	Local	Widespread
Scorched Wing	1904	<i>Plagodis dolabraria</i>	Local	Widespread, recent major range expansion

Brimstone Moth	1906	<i>Opisthograptis luteolata</i>	Common	Common
Bordered Beauty	1907	<i>Epione repandaria</i>	Common	Widespread but infrequent, mainly W
Dark Bordered Beauty	1908	<i>Epione vespertaria</i>	RDB3	Very local, Highlands
Speckled Yellow	1909	<i>Pseudopanthera macularia</i>	Common	Widespread but mainly W
Lilac Beauty	1910	<i>Apeira syringaria</i>	Local	Local, S; recent range expansion
August Thorn	1912	<i>Ennomos quercinaria</i>	Local	Scarce, SW. One in VC106, 2011
Canary-shouldered Thorn	1913	<i>Ennomos alniaria</i>	Common	Common
September Thorn	1915	<i>Ennomos erosaria</i>	Common	Local and scattered, infrequent
Early Thorn	1917	<i>Selenia dentaria</i>	Common	Common
Lunar Thorn	1918	<i>Selenia lunularia</i>	Local	Common
Purple Thorn	1919	<i>Selenia tetralunaria</i>	Common	Widespread but local
Scalloped Hazel	1920	<i>Odontopera bidentata</i>	Common	Common
Scalloped Oak	1921	<i>Crocallis elinguaris</i>	Common	Common
Swallow-tailed Moth	1922	<i>Ourapteryx sambucaria</i>	Common	Common S, extending range N
Feathered Thorn	1923	<i>Colotois pennaria</i>	Common	Common
Pale Brindled Beauty	1926	<i>Phigalia pilosaria</i>	Common	Common
Brindled Beauty	1927	<i>Lycia hirtaria</i>	Common	Widespread, but only Highlands?
Belted Beauty	1928	<i>Lycia zonaria</i>	Na	Widespread Outer Hebrides, very local W coast
Rannoch Brindled Beauty	1929	<i>Lycia lapponaria</i>	Na	Very local, Highlands
Oak Beauty	1930	<i>Biston strataria</i>	Common	Widespread, mainly S & W
Peppered Moth	1931	<i>Biston betularia</i>	Common	Common
Spring Usher	1932	<i>Agriopsis leucophaearia</i>	Common	Widespread S
Scarce Umber	1933	<i>Agriopsis aurantiaria</i>	Common	Common
Dotted Border	1934	<i>Agriopsis marginaria</i>	Common	Common
Mottled Umber	1935	<i>Erannis defoliaria</i>	Common	Common
Willow Beauty	1937	<i>Peribatodes rhomboidaria</i>	Common	Widespread but infrequent?
Bordered Grey	1938	<i>Selidosema brunnearia</i>	Na	Very local and infrequent
Ringed Carpet	1939	<i>Cleora cinctaria</i>	Na	Very local, W
Satin Beauty	1940	<i>Deileptenia ribeata</i>	Common	Widespread after major range expansion
Mottled Beauty	1941	<i>Alcis repandata</i>	Common	Common
Dotted Carpet	1942	<i>Alcis jubata</i>	Local	Widespread
Brussels Lace	1945	<i>Cleorodes lichenaria</i>	Local	Widespread but infrequent
Engrailed	1947	<i>Ectropis bistortata</i>	Common	Common
Small Engrailed	1948	<i>Ectropis crepuscularia</i>	Local	Local, SW
Grey Birch	1951	<i>Aethalura punctulata</i>	Common	Local and scarce, mainly W
Common Heath	1952	<i>Ematurga atomaria</i>	Common	Abundant
Bordered White	1954	<i>Bupalus piniaria</i>	Common	Common
Common White Wave	1955	<i>Cabera pusaria</i>	Common	Common
Common Wave	1956	<i>Cabera exanthemata</i>	Common	Common
White-pinion Spotted	1957	<i>Lomographa bimaculata</i>	Common	Local SW, but expanding range?
Clouded Silver	1958	<i>Lomographa temerata</i>	Common	Common S, expanding range N
Early Moth	1960	<i>Theria primaria</i>	Common	Common, S, expanding range - VC106 in 2011
Light Emerald	1961	<i>Campaea margaritata</i>	Common	Common
Barred Red	1962	<i>Hylaea fasciaria</i>	Common	Common
Scotch Annulet	1963	<i>Gnophos obfuscata</i>	Nb	Local, mainly Highlands
Annulet	1964	<i>Charissa obscurata</i>	Local	Very local and coastal
Black Mountain Moth	1965	<i>Glacies coracina</i>	Na	Very local, Highlands
Grey Scalloped Bar	1969	<i>Dyscia fagaria</i>	Local	Widespread but infrequent
Grass Wave	1970	<i>Perconia strigillaria</i>	Local	Local and scattered
Convolvulus Hawk-moth	1972	<i>Agrius convolvuli</i>	Migrant	Scarce but regular migrant
Death's-head Hawk-moth	1973	<i>Acherontia atropos</i>	Migrant	Rare migrant, has bred
Rustic Sphinx	1975a	<i>Manduca rustica</i>	Adventive	Adventive, Aberdeen docks 1983

Pine Hawk-moth	1978	<i>Hyloicus pinastri</i>	Local	Old records, some plausible, last 1928
Eyed Hawk-moth	1980	<i>Smerinthus ocellata</i>	Common	extreme SW, local
Poplar Hawk-moth	1981	<i>Laothoe populi</i>	Common	Common
Narrow-bordered Bee Hawk	1982	<i>Hemaris tityus</i>	Na	Widespread in Highlands after recent recovery
Humming-bird Hawk-moth	1984	<i>Macroglossum stellatarum</i>	Migrant	Regular migrant, sometimes breeds
Oleander Hawk-moth	1985	<i>Daphnis nerii</i>	Migrant	Very rare migrant
Jade Hawk-moth	1985a	<i>Daphnis hypothous</i>		Adventive, Perth 1873
Bedstraw Hawk-moth	1987	<i>Hyles gallii</i>	Migrant	Scarce migrant, esp. Northern Isles; has bred
Striped Hawk-moth	1990	<i>Hyles livornica</i>	Migrant	Very rare migrant
Elephant Hawk-moth	1991	<i>Deilephila elpenor</i>	Common	Common after range expansion
Small Elephant Hawk-moth	1992	<i>Deilephila porcellus</i>	Local	Local, mainly lowland & E coast
Silver-striped Hawk-moth	1993	<i>Hippotion celerio</i>	Migrant	Very rare migrant, latest Kintyre 2010
Buff-tip	1994	<i>Phalera bucephala</i>	Common	Common
Puss Moth	1995	<i>Cerura vinula</i>	Common	Common but declining?
Sallow Kitten	1997	<i>Furcula furcula</i>	Common	Common
Iron Prominent	2000	<i>Notodonta dromedarius</i>	Common	Common
Pebble Prominent	2003	<i>Notodonta ziczac</i>	Common	Common
Great Prominent	2005	<i>Peridea anceps</i>	Local	Local, SW and Central
Lesser Swallow Prominent	2006	<i>Pheosia gnoma</i>	Common	Common
Swallow Prominent	2007	<i>Pheosia tremula</i>	Common	Common
Coxcomb Prominent	2008	<i>Ptilodon capucina</i>	Common	Common
Scarce Prominent	2010	<i>Odontosia carmelita</i>	Local	Widespread but infrequent
Pale Prominent	2011	<i>Pterostoma palpina</i>	Common	Widespread
Marbled Brown	2014	<i>Drymonia dodonaea</i>	Local	Local, W
Lunar Marbled Brown	2015	<i>Drymonia ruficornis</i>	Common	Widespread but mainly W
Small Chocolate-tip	2017	<i>Clostera pigra</i>	Nb	Very local, maybe declining
Chocolate-tip	2019	<i>Clostera curtula</i>	Local	Very local, Highlands
Figure of Eight	2020	<i>Diloba caeruleocephala</i>	Common	Scarce, SW & Borders, declined?
Vapourer	2026	<i>Orgyia antiqua</i>	Common	Widespread, increasing in W?
Dark Tussock	2027	<i>Dicallomera fascelina</i>	Local	Widespread, but absent from W coast
Pale Tussock	2028	<i>Calliteara pudibunda</i>	Common	Stray or colonist, Borders 2007
Brown-tail	2029	<i>Euproctis chrysorrhoea</i>	Local	Rare vagrant or stray, E coast
Yellow-tail	2030	<i>Euproctis similis</i>	Common	Local, SW and Borders
White Satin	2031	<i>Leucoma salicis</i>	Local	Rare vagrant or stray, last VC73 in 1996
Round-winged Muslin	2035	<i>Thumatha senex</i>	Local	Very local, SW and Speyside
Dew Moth	2036	<i>Setina irrorella</i>	Na	Very local, W & SE coasts
Muslin Footman	2038	<i>Nudaria mundana</i>	Local	Widespread S & E, absent N & W
Red-necked Footman	2039	<i>Atolmis rubricollis</i>	Local	Recent colonist S & W, expanding N
Four-dotted Footman	2040	<i>Cybosia mesomella</i>	Local	Local, mainly W
Dingy Footman	2044	<i>Eilema griseola</i>	Common	VC84 one, 2010
Scarce Footman	2047	<i>Eilema complana</i>	Local	Local & scarce, SW coast
Buff Footman	2049	<i>Eilema depressa</i>	Local	Recent colonist, SW & Borders, since 2008
Common Footman	2050	<i>Eilema lurideola</i>	Common	Widespread but mainly coastal
Four-spotted Footman	2051	<i>Lithosia quadra</i>	Na + immigrant	VC106, male, 26 June 1967, but no specimen...
Crimson Speckled	2054	<i>Utetheisa pulchella</i>	Migrant	Very rare migrant, no recent record
Wood Tiger	2056	<i>Parasemia plantaginis</i>	Local	Common
Garden Tiger	2057	<i>Arctia caja</i>	Common	Common
Clouded Buff	2059	<i>Diacrisia sannio</i>	Local	Widespread but mainly W
White Ermine	2060	<i>Spilosoma lubricipeda</i>	Common	Common
Buff Ermine	2061	<i>Spilosoma luteum</i>	Common	Common W, absent E
Water Ermine	2062	<i>Spilosoma urticae</i>	Nb	Stray or migrant, Fair Isle, 2002 (photo)



Muslin Moth	2063	<i>Diaphora mendica</i>	Common	Borders/SE, otherwise sporadic
Ruby Tiger	2064	<i>Phragmatobia fuliginosa</i>	Common	Common
Isabelline Tiger	2065	<i>Pyrrharctica isabella</i>	Adventive	Adventive larvae, Edinburgh ca. 1970
Scarlet Tiger	2068	<i>Callimorpha dominula</i>	Local	VC73, one, June 1997 (photo); adventive?
Cinnabar	2069	<i>Tyria jacobaeae</i>	Common	Widespread, except N, coastal
Giant Leopard Moth	2069a	<i>Hypercompe scribonia</i>	Adventive	Adventive, Edinburgh 1969, Aberdeen 1994
Banana Stowaway	2074a	<i>Antichloris eryphia</i>	Adventive	Adventive, Shetland (2001), VC94 (2009)
Least Black Arches	2078	<i>Nola confusalis</i>	Local	Widespread after recent major increase
Square-spot Dart	2080	<i>Euxoa obelisca</i>	Nb	Very local, rocky coasts
White-line Dart	2081	<i>Euxoa tritici</i>	Common	Widespread but mainly coastal
Garden Dart	2082	<i>Euxoa nigricans</i>	Common	Widespread but now infrequent
Coast Dart	2083	<i>Euxoa cursoria</i>	Nb	Local, sandy coasts
Archer's Dart	2085	<i>Agrotis vestigialis</i>	Local	Widespread on coasts, also Spey shingles
Turnip Moth	2087	<i>Agrotis segetum</i>	Common	Widespread S, migrant in N?
Heart and Club	2088	<i>Agrotis clavis</i>	Common	Local and infrequent, mainly E
Heart and Dart	2089	<i>Agrotis exclamationis</i>	Common	Common S, scarcer N
Crescent Dart	2090	<i>Agrotis trux</i>	Local	Local, SW coast only
Dark Sword-grass	2091	<i>Agrotis ipsilon</i>	Migrant	Regular migrant
Shuttle-shaped Dart	2092	<i>Agrotis puta</i>	Common	Stray or recent colonist, S
Sand Dart	2093	<i>Agrotis ripae</i>	Nb	Very local, SW & E sandy coasts
Flame	2098	<i>Axylia putris</i>	Common	Widespread S, but scarce or stray in N
Portland Moth	2099	<i>Actebia praecox</i>	Nb	Very local, E coast, also Spey shingles
Eversmann's Rustic	2100	<i>Actebia fennica</i>	Vagrant/Accidental	Very rare migrant, VC93, 1977
Black Collar	2101	<i>Ochroleura flammatra</i>	Vagrant/Accidental	Very rare migrant, Shetland 1997
Flame Shoulder	2102	<i>Ochroleura plecta</i>	Common	Common
Plain Clay	2103	<i>Eugnorisma depuncta</i>	Nb	Widespread, mainly E
Northern Rustic	2104	<i>Standfussiana lucernea</i>	Local	Local, rocky coasts, crags, also bings.
Dotted Rustic	2105	<i>Rhyacia simulans</i>	Local	Local, mainly E & Orkney
Large Yellow Underwing	2107	<i>Noctua pronuba</i>	Common	Abundant
Lunar Yellow Underwing	2108	<i>Noctua orbona</i>	Nb	Very local & scarce, E (declining?)
Lesser Yellow Underwing	2109	<i>Noctua comes</i>	Common	Common
Broad-bordered Yellow Underwing	2110	<i>Noctua fimbriata</i>	Common	Widespread but never numerous
Lesser Broad-bordered Yellow Underwing	2111	<i>Noctua janthe</i>	Common	Common
Least Yellow Underwing	2112	<i>Noctua interjecta</i>	Common	Recent colonist S, strays in N
Stout Dart	2113	<i>Spaelotis ravida</i>	Local	Rare stray, latest 1989, VC83
Double Dart	2114	<i>Graphiphora augur</i>	Common	Common
Cousin German	2116	<i>Protolampra sobrina</i>	RDB3	Local, central Highlands
Autumnal Rustic	2117	<i>Eugnorisma glareosa</i>	Common	Common
True Lover's Knot	2118	<i>Lycophotia porphyrea</i>	Common	Common
Pearly Underwing	2119	<i>Peridroma saucia</i>	Migrant	Regular migrant, but not every year
Ingrailed Clay	2120	<i>Diarsia mendica mendica</i>	Common	Common
Barred Chestnut	2121	<i>Diarsia dahlii</i>	Local	Common
Purple Clay	2122	<i>Diarsia brunnea</i>	Common	Common
Small Square-spot	2123	<i>Diarsia rubi</i>	Common	Common
Northern Dart	2125	<i>Xestia alpicola</i>	Na	Local, mainly central Highlands
Setaceous Hebrew Character	2126	<i>Xestia c-nigrum</i>	Common	Common, mainly E; also autumn migrant
Triple-spotted Clay	2127	<i>Xestia ditrapezium</i>	Local	Widespread W, but absent E
Double Square-spot	2128	<i>Xestia triangulum</i>	Common	Common
Dotted Clay	2130	<i>Xestia baja</i>	Common	Common
Square-spotted Clay	2131	<i>Xestia rhomboidea</i>	Nb	Very local, W

Neglected Rustic	2132	<i>Xestia castanea</i>	Local	Widespread but not numerous
Six-striped Rustic	2133	<i>Xestia sexstrigata</i>	Common	Common
Square-spot Rustic	2134	<i>Xestia xanthographa</i>	Common	Abundant
Heath Rustic	2135	<i>Xestia agathina</i>	Local	Widespread
Gothic	2136	<i>Naenia typica</i>	Local	Widespread but infrequent
Great Brocade	2137	<i>Eurois occulta</i>	Na	Local, Highlands, migrant elsewhere
Green Arches	2138	<i>Anaplectoides prasina</i>	Common	Common
Red Chestnut	2139	<i>Cerastis rubricosa</i>	Common	Common
Beautiful Yellow Underwing	2142	<i>Anarta myrtilli</i>	Common	Common
Small Dark Yellow Underwing	2143	<i>Anarta cordigera</i>	Na	Very local, Highlands
Broad-bordered White Underwing	2144	<i>Anarta melanopa</i>	RDB3	Very local, mountains
Nutmeg	2145	<i>Discestra trifolii</i>	Common	Uncertain status, perhaps only migrant/stray
Shears	2147	<i>Hada nana</i>	Common	Common
Pale Shining Brown	2148	<i>Polia bombycina</i>	Nb	Extinct; 19th C. resident, S & E
Silvery Arches	2149	<i>Polia trimaculosa</i>	Nb	Local, mainly Central Highlands
Grey Arches	2150	<i>Polia nebulosa</i>	Common	Widespread, mainly W
White Colon	2152	<i>Sideridis albicolon</i>	Nb	Very local & scarce, E coast
Cabbage Moth	2154	<i>Mamestra brassicae</i>	Common	Widespread, mainly lowland
Dot Moth	2155	<i>Melanchra persicariae</i>	Common	Local, S (gardens?)
Beautiful Brocade	2156	<i>Lacanobia contigua</i>	Local	Local and infrequent, mainly W Highlands
Pale-shouldered Brocade	2158	<i>Lacanobia thalassina</i>	Common	Common
Dog's Tooth	2159	<i>Lacanobia suasa</i>	Local	Scarce, SW; migrant to Northern Isles
Splendid Brocade	2159a	<i>Lacanobia splendens</i>		Rare migrant, Shetland (2010)
Bright-line Brown-eye	2160	<i>Lacanobia oleracea</i>	Common	Common
Glaucous Shears	2162	<i>Papestra biren</i>	Local	Widespread
Broom Moth	2163	<i>Melanchra pisi</i>	Common	Common
Broad-barred White	2164	<i>Hecatera bicolorata</i>	Common	Local, mainly E, near coast
Campion	2166	<i>Hadena rivularis</i>	Common	Widespread
Tawny Shears	2167	<i>Hadena perplexa</i>	Common	Scarce, SW; formerly in SE
Marbled Coronet	2171	<i>Hadena confusa</i>	Local	Widespread but coastal, also Spey shingles
Lychnis	2173	<i>Hadena bicurris</i>	Common	Common
Grey	2174	<i>Hadena caesia</i>	RDB3	Very local and scarce, W coast
Antler Moth	2176	<i>Cerapteryx graminis</i>	Common	Abundant
Hedge Rustic	2177	<i>Tholera cespitis</i>	Common	Widespread, mainly near coast
Feathered Gothic	2178	<i>Tholera decimalis</i>	Common	Local, SW and Borders
Pine Beauty	2179	<i>Panolis flammea</i>	Common	Common
Small Quaker	2182	<i>Orthosia cruda</i>	Common	Local, but scarce in NE
Northern Drab	2184	<i>Orthosia opima</i>	Local	VC81, Gordon Moss - but last in 1956
Lead-coloured Drab	2185	<i>Orthosia populeti</i>	Local	Local, Highlands
Powdered Quaker	2186	<i>Orthosia gracilis</i>	Common	Widespread, but absent from NE
Common Quaker	2187	<i>Orthosia cerasi</i>	Common	Common
Clouded Drab	2188	<i>Orthosia incerta</i>	Common	Common
Twin-spotted Quaker	2189	<i>Orthosia munda</i>	Common	Widespread, S & Central, maybe spreading N
Hebrew Character	2190	<i>Orthosia gothica</i>	Common	Abundant
Brown-line Bright Eye	2192	<i>Mythimna conigera</i>	Common	Common, especially in E
Clay	2193	<i>Mythimna ferrago</i>	Common	Common, especially in E
Delicate	2195	<i>Mythimna vitellina</i>	Migrant	Rare migrant
Southern Wainscot	2197	<i>Mythimna straminea</i>	Local	Very local, SW
Smoky Wainscot	2198	<i>Mythimna impura</i>	Common	Abundant
Common Wainscot	2199	<i>Mythimna pallens</i>	Common	Widespread but not numerous

Shore Wainscot	2201	<i>Mythimna litoralis</i>	Nb	Very local, SW & E sandy coasts
White-speck	2203	<i>Mythimna unipuncta</i>	Migrant	Scarce migrant
Shoulder-striped Wainscot	2205	<i>Mythimna comma</i>	Common	Widespread, mainly E
Obscure Wainscot	2204	<i>Mythimna obsoleta</i>	Local	Recent colonist SW, since 2002
Cosmopolitan	2208	<i>Mythimna loreyi</i>	Migrant	Very rare migrant; VC72 2006
Chamomile Shark	2214	<i>Cucullia chamomillae</i>	Local	Widespread SW & E, recent range expansion
Shark	2216	<i>Cucullia umbratica</i>	Common	Widespread but infrequent
Minor Shoulder-knot	2225	<i>Brachylochia viminalis</i>	Common	Common, but possible decline in numbers
Rannoch Sprawler	2228	<i>Brachionycha nubeculosa</i>	RDB3	Very local, Highlands
Brindled Ochre	2229	<i>Dasypolia templi</i>	Local	Widespread, but recent decline?
Northern Deep-brown Dart	2231a	<i>Aporophyla lueneburgensis</i>	Common	Widespread but decreasing?
Black Rustic	2232	<i>Aporophyla nigra</i>	Common	Common
Golden-rod Brindle	2233	<i>Lithomoia solidaginis</i>	Local	Widespread but decreasing?
Tawny Pinion	2235	<i>Lithophane semibrunnea</i>	Local	VC72 2009, VC73 2011: potential colonist
Pale Pinion	2236	<i>Lithophane hepatica</i>	Local	Recent colonist, SW & SE
Conformist	2238	<i>Lithophane furcifera</i>	Immigrant	VC96, one in 2011
Blair's Shoulder-knot	2240	<i>Lithophane leautieri</i>	Common	Recent colonist, SW & SE
Red Sword-grass	2241	<i>Xylena vetusta</i>	Local	Common
Sword-grass	2242	<i>Xylena exsoleta</i>	Nb	Local & infrequent, mainly E
Early Grey	2243	<i>Xylocampa areola</i>	Common	Widespread W but absent in much of E
Green-brindled Crescent	2245	<i>Allophyes oxyacanthae</i>	Common	Common
Merveille du Jour	2247	<i>Dichonia apriliina</i>	Common	Widespread but infrequent
Brindled Green	2248	<i>Dryobotodes eremita</i>	Common	Local
Dark Brocade	2250	<i>Blepharita adusta</i>	Common	Common
Bedrule Brocade	2250a	<i>Blepharita solieri</i>	Vagrant/Accidental	Vagrant, one VC80, 1976
Grey Chi	2254	<i>Antitype chi</i>	Common	Common but declining?
Feathered Ranunculus	2255	<i>Polymixis lichenea lichenea</i>	Local	Very local, SW
Satellite	2256	<i>Eupsilia transversa</i>	Common	Common
Chestnut	2258	<i>Conistra vaccinii</i>	Common	Common
Dark Chestnut	2259	<i>Conistra ligula</i>	Common	SW & SE; recent arrival or increase
Brick	2262	<i>Agrochola circellaris</i>	Common	Common
Red-line Quaker	2263	<i>Agrochola lota</i>	Common	Common
Yellow-line Quaker	2264	<i>Agrochola macilenta</i>	Common	Common
Flounced Chestnut	2265	<i>Agrochola helvola</i>	Common	Widespread, mainly Highlands
Brown-spot Pinion	2266	<i>Agrochola litura</i>	Common	Common, especially in E
Suspected	2268	<i>Parastichtis suspecta</i>	Local	Widespread but infrequent
Centre-barred Sallow	2269	<i>Atethmia centrago</i>	Common	Widespread
Lunar Underwing	2270	<i>Omphaloscelis lunosa</i>	Common	Widespread but mainly coastal
Orange Sallow	2271	<i>Xanthia citrago</i>	Common	Widespread but infrequent
Pink-barred Sallow	2273	<i>Xanthia togata</i>	Common	Common
Sallow	2274	<i>Xanthia icteritia</i>	Common	Common
Dusky-lemon Sallow	2275	<i>Xanthia gilvago</i>	Local	Very local and infrequent, S & E
Poplar Grey	2278	<i>Acronicta megacephala</i>	Common	Local, mainly NW
Miller	2280	<i>Acronicta leporina</i>	Common	Widespread but infrequent
Alder Moth	2281	<i>Acronicta alni</i>	Local	Local, SW, expanding range
Dark Dagger	2283	<i>Acronicta tridens</i>	Common	Orkney, two gen. det. (but females)
Grey Dagger	2284	<i>Acronicta psi</i>	Common	Common
Light Knot Grass	2286	<i>Acronicta menyanthidis</i>	Local	Widespread
Sweet Gale Moth	2288	<i>Acronicta euphorbiae</i>	Na	Local, Highlands
Knot Grass	2289	<i>Acronicta rumicis</i>	Common	Common
Reed Dagger	2290	<i>Simyra albovenosa</i>	Nb	Migrant, Shetland, 2008 (two)
Coronet	2291	<i>Craniophora ligustri</i>	Local	Widespread, mainly W

Marbled Beauty	2293	<i>Cryphia domestica</i>	Common	Local, mainly urban and coastal
Copper Underwing	2297	<i>Amphipyra pyramidea</i>	Common	Recent colonist, mainly SW
Svensson's Copper Underwing	2298	<i>Amphipyra berbera</i>	Common	Recent colonist, mainly S & E
Mouse Moth	2299	<i>Amphipyra tragopoginis</i>	Common	Common, especially in E
Old Lady	2300	<i>Mormo maura</i>	Local	Local and infrequent
Brown Rustic	2302	<i>Rusina ferruginea</i>	Common	Common
Straw Underwing	2303	<i>Thalpophila matura</i>	Common	Local and infrequent, coastal - declining?
Small Angle Shades	2305	<i>Euplexia lucipara</i>	Common	Common
Angle Shades	2306	<i>Phlogophora meticulosa</i>	Common	Common, also migrant
Olive	2312	<i>Ipimorpha subtusa</i>	Local	Local and scarce, S
Angle-striped Sallow	2313	<i>Enargia paleacea</i>	Nb	Widespread, Highlands
Dingy Shears	2314	<i>Parastichtis ypsilon</i>	Local	Local and infrequent, S; perhaps increasing
Dun-bar	2318	<i>Cosmia trapezina</i>	Common	Common
Saxon	2320	<i>Hyppa rectilinea</i>	Nb	Widespread
Dark Arches	2321	<i>Apamea monoglypha</i>	Common	Abundant
Light Arches	2322	<i>Apamea lithoxylaea</i>	Common	Common
Northern Arches/Exile	2324	<i>Apamea zeta</i>	Na	Widespread but infrequent Very local or stray, last VC87 in 1999 (specimen)
Crescent Striped	2325	<i>Apamea oblonga</i>	Nb	
Clouded-bordered Brindle	2326	<i>Apamea crenata</i>	Common	Common
Clouded Brindle	2327	<i>Apamea epomidion</i>	Common	Local & scarce, S
Scarce Brindle	2328	<i>Apamea laterita</i>	Migrant	Very rare migrant, Shetland (three)
Confused	2329	<i>Apamea furva</i>	Local	Local and infrequent
Dusky Brocade	2330	<i>Apamea remissa</i>	Common	Common
Small Clouded Brindle	2331	<i>Apamea unanimitis</i>	Common	Local and infrequent
Union Rustic	2332	<i>Apamea pabulatricula</i>	Extinct	Extinct ca. 1902; formerly very local, S & E
Large Nutmeg	2333	<i>Apamea anceps</i>	Local	Extinct 19th C resident, S & E
Rustic Shoulder-knot	2334	<i>Apamea sordens</i>	Common	Common
Slender Brindle	2335	<i>Apamea scolopacina</i>	Local	Recent colonist, S; increasing
Double Lobed	2336	<i>Apamea ophiogramma</i>	Local	Widespread after recent range expansion
Marbled Minor	2337	<i>Oligia strigilis</i>	Common	Common
Rufous Minor	2338	<i>Oligia versicolor</i>	Local	Widespread after range expansion
Tawny Marbled Minor	2339	<i>Oligia latruncula</i>	Common	Local & scarce, mainly S?
Middle-barred Minor	2340	<i>Oligia fasciuncula</i>	Common	Common
Cloaked Minor	2341	<i>Mesoligia furuncula</i>	Common	Widespread S, mainly coastal; stray in N
Rosy Minor	2342	<i>Mesoligia literosa</i>	Common	Common
Common Rustic	2343	<i>Mesapamea secalis</i>	Common	Common
Lesser Common Rustic	2343a	<i>Mesapamea didyma</i>	Common	Common
Small Dotted Buff	2345	<i>Photedes minima</i>	Common	Common
Lyme Grass	2348	<i>Chortodes elymi</i>	Nb	Very local, E coast
Small Wainscot	2350	<i>Chortodes pygmina</i>	Common	Common
Flounced Rustic	2353	<i>Luperina testacea</i>	Common	Widespread, mainly coastal
Scarce Arches	2356	<i>Luperina zollikoferi</i>	Migrant	Very rare migrant, 1871 & 1968
Large Ear	2357	<i>Amphipoea lucens</i>	Local	Common
Saltern Ear	2358	<i>Amphipoea fucosa</i>	Local	Uncertain status, perhaps migrant/stray
Crinan Ear	2359	<i>Amphipoea crinanensis</i>	Local	Common
Ear Moth	2360	<i>Amphipoea oculaea</i>	Common	Widespread
Rosy Rustic	2361	<i>Hydraecia micacea</i>	Common	Common
Butterbur	2362	<i>Hydraecia petasitis</i>	Local	Very local, S; reaches VC91
Frosted Orange	2364	<i>Gortyna flavago</i>	Common	Widespread, except W coast & Hebrides
Haworth's Minor	2367	<i>Celaena haworthii</i>	Local	Common
Crescent	2368	<i>Celaena leucostigma</i>	Local	Common W, scarce or migrant E

Bulrush Wainscot	2369	<i>Nonagria typhae</i>	Common	Widespread E, perhaps increasing
Large Wainscot	2375	<i>Rhizedra lutosa</i>	Common	Local and infrequent; also partial migrant?
Fen Wainscot	2377	<i>Arenostola phragmitidis</i>	Local	Recent colonist SW, since 2003
Treble Lines	2380	<i>Charanyca trigrammica</i>	Common	Rare or stray, SW
Uncertain	2381	<i>Hoplodrina alsines</i>	Common	Local and scattered? Identification problems
Rustic	2382	<i>Hoplodrina blanda</i>	Common	Widespread, mainly coastal
Small Mottled Willow	2385	<i>Spodoptera exigua</i>	Migrant	Scarce migrant
Mottled Rustic	2387	<i>Caradrina morpheus</i>	Common	Widespread, mainly E and Outer Hebrides
Pale Mottled Willow	2389	<i>Paradrina clavipalpis</i>	Common	Common
Silky Wainscot	2391	<i>Chilodes maritimus</i>	Local	Scarce & very local, VCs 73, 84, 85
Anomalous	2394	<i>Stilbia anomala</i>	Local	Common
Small Yellow Underwing	2397	<i>Panemeria tenebrata</i>	Local	Scarce, extreme S? No recent record
Bordered Sallow	2399	<i>Pyrrhia umbra</i>	Local	Very local and coastal, SW & SE
Scarce Bordered Straw	2400	<i>Helicoverpa armigera</i>	Migrant	Scarce migrant, also adventive
Bordered Straw	2403	<i>Heliothis peltigera</i>	Migrant	Rare migrant
Spotted Clover Moth	2405	<i>Schinia scutosa</i>	Rare migrant	Very rare migrant (1878, 1960)
Purple Marbled	2407	<i>Eublemma ostrina</i>	Migrant	Very rare migrant (1858)
Small Marbled	2408	<i>Eublemma parva</i>	Migrant	Very rare migrant (1986, two in 2011)
Silver Hook	2412	<i>Deltote uncula</i>	Local	Local, SW & W only
Green Silver-lines	2422	<i>Pseudoips prasinana</i>	Common	Local and infrequent
Oak Nycteoline	2423	<i>Nycteola revayana</i>	Local	Local and infrequent
Nut-tree Tussock	2425	<i>Colocasia coryli</i>	Common	Common
Golden Twin-spot	2428	<i>Chrysodeixis chalcites</i>	Migrant	Very rare migrant (1978); adventive (2010)
Burnished Brass	2434	<i>Diachrysis chrysitis</i>	Common	Common
Dewick's Plusia	2436	<i>Macdunnoughia confusa</i>	Rare migrant	Very rare migrant, Shetland, 1996 (2) & 2002
Golden Plusia	2437	<i>Polychrysis moneta</i>	Common	Local and scarce, declining: now SW only?
Gold Spot	2439	<i>Plusia festucae</i>	Common	Common
Lempke's Gold Spot	2440	<i>Plusia putnami</i>	Local	Widespread and expanding range
Silver Y	2441	<i>Autographa gamma</i>	Migrant	Abundant migrant
Beautiful Golden Y	2442	<i>Autographa pulchrina</i>	Common	Common
Plain Golden Y	2443	<i>Autographa jota</i>	Common	Widespread but declining?
Gold Spangle	2444	<i>Autographa bractea</i>	Common	Common
Scarce Silver Y	2447	<i>Syngrapha interrogationis</i>	Local	Common
Dark Spectacle	2449	<i>Abrostola triplasia</i>	Common	Scarce and local, mainly SW
Spectacle	2450	<i>Abrostola tripartita</i>	Common	Common
Clifden Nonpareil	2451	<i>Catocala fraxini</i>	Migrant	Scarce migrant, mainly E and Northern Isles
Red Underwing	2452	<i>Catocala nupta</i>	Common	Occasional stray or colonist, S
Mother Shipton	2462	<i>Callistege mi</i>	Common	Local
Burnet Companion	2463	<i>Euclidia glyphica</i>	Common	Very local, Borders & SW
Four-spotted	2465	<i>Tyta luctuosa</i>	Na; suspected immigrant	One, Aberdeen 1908 (specimen exists)
Blackneck	2466	<i>Lygephila pastinum</i>	Local	VC81 only, on coastal cliffs
Herald	2469	<i>Scoliopteryx libatrix</i>	Common	Common
Small Purple-barred	2470	<i>Phytometra viridaria</i>	Local	Widespread
Straw Dot	2474	<i>Rivula sericealis</i>	Common	Common, especially in W; scarcer E
Snout	2477	<i>Hypena proboscidalis</i>	Common	Common
Pinion-streaked Snout	2484	<i>Schrankia costaestrigalis</i>	Local	Widespread, mainly W
Marsh Oblique-barred	2485	<i>Hypenodes humidalis</i>	Nb	Local & scattered, W
Fan-foot	2489	<i>Zanclognatha tarsipennalis</i>	Common	Widespread S, absent N & W
Small Fan-foot	2492	<i>Herminia grisealis</i>	Common	Widespread

## APPENDIX: PLAUSIBLE ADDITIONS

This section contains historical records of additional species that seem plausible but cannot now be confirmed. It also includes more recent records that may well be genuine but are not considered proven beyond reasonable doubt at the time this list was compiled. Almost certainly, some of these species will be upgraded to the main list when firm evidence is available.

Leopard Moth	161	<i>Zeuzera pyrina</i>	Common	SW one, 1889
Lackey	1634	<i>Malacosoma neustria</i>	Common	Old records; strays?
Oak Lutestring	1658	<i>Cymatophorima diluta</i>	Local	Old records, Borders
Blotched Emerald	1667	<i>Comibaena bajularia</i>	Local	SW 19th C record
Small Scallop	1712	<i>Idaea emarginata</i>	Local	SW 19th C record
Oblique Striped	1718	<i>Phibalapteryx virgata</i>	Nb	Stray, or misidentification?
Sharp-angled Carpet	1794	<i>Euphyia unangulata</i>	Local	Probable misidentifications, S
Haworth's Pug	1813	<i>Eupithecia haworthiata</i>	Local	Rothamsted only, SW
Waved Carpet	1877	<i>Hydrelia sylvata</i>	Nb	Stray, or misidentification, SW?
Scorched Carpet	1888	<i>Ligdia adustata</i>	Local	Stray, SW?
Short-cloaked Moth	2077	<i>Nola cucullatella</i>	Common	Occasional stray, S?
White-marked	2140	<i>Cerastris leucographa</i>	Local	Occasional stray, SW?
Light Brocade	2157	<i>Lacanobia w-latinum</i>	Local	Suspected misidentifications
Beautiful Arches	2249	<i>Blepharita satura</i>		Two 19th C specimens labelled Aberdeen
Beaded Chestnut	2267	<i>Agrochola lychnidis</i>	Common	Old records plus RIS, but none verified
Barred Sallow	2272	<i>Xanthia aurago</i>	Common	Stray and/or misidentifications?
Reddish Light Arches	2323	<i>Apamea sublustis</i>	Local	Dubious old records
Small Rufous	2379	<i>Coenobia rufa</i>	Local	Dubious old records: misidentified?
Vine's Rustic	2384	<i>Hoplodrina ambigualis</i>	Common	Unverified old records: misidentified?
Cream-bordered Green Pea	2418	<i>Earias clorana</i>	Nb	Clyde Valley records dubious?
Scarce Silver-lines	2421	<i>Bena bicolorana</i>	Local	Name confusion?