

A CHECKLIST OF THE BUTTERFLIES AND MOTHS (LEPIDOPTERA) OF COUNTY WATERFORD

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Abstract

A checklist of the Lepidoptera of County Waterford, in the south of Ireland, records 1,029 species from the area. A total of 56 species are removed from the county checklist and brief explanations are given for their removal.

Key words: Lepidoptera, butterflies, moths, checklist, Ireland, Waterford.

Introduction

Waterford, situated on the south coast, is one of the smallest Irish counties with an area of 1,862km² (Fig. 1). There are two mountain ranges (the Knockmealdowns and the Comeraghs), It has many rivers, including Ireland's third-longest river, the River Suir (184km); and the fourth-longest river, the Munster Blackwater (168km). There are also scattered lakes, marshes and bogs. Most of the coast consists of cliffs but there are over 30 beaches along the volcanic coastline (McGrath, 2001, 2011).

The first list of the Lepidoptera of Co. Waterford was compiled and published by O'Meara (2001) in which he collated many of the records from past and present recorders (E. S. A. Baynes, K. G. M. Bond, E. C. Pelham-Clinton, R. P. Demuth, A. Maitland Emmet, Canon W. W. Flemyng, H. G. Heal, W. F. de Vismes Kane, J. R. Langmaid, R. M. Mere, Dr H. Murray, Baron C. G. M. de Worms, L. H. Bonaparte Wyse, and others) that "appeared in a number of published works intermittently throughout the years." He particularly drew on Baynes (1964), Beirne (1941), Donovan (1936) and Kane (1884, 1901). He also referred to the series *The Moths and Butterflies of Great Britain and Ireland* (MBGBI) and the Murray collection housed at Trinity College, Dublin (O'Meara, 2001). In compiling the present checklist, besides the forementioned works, other sources included records by the author and others published in the annual Microlepidoptera review in *The Entomologist's Record and Journal of Variation*, *Irish Naturalists' Journal* and *Atropos*. Also consulted were Butterfly Conservation UK (BCUK) Micro-Moth Distribution Maps, National Biodiversity Data Centre (NBDC) Biodiversity Maps and MothsIreland Mapping Ireland's Moths. It should be added the maps on both the latter websites are biased towards Tramore and its environs where the author recorded 930 species of butterfly and moth within a 6km radius of the town.

The publication of O'Meara, (2001) listed 606 species of butterfly and moth for the county, since then many new ones have been recorded and historical ones have come to light, *e.g.* K. G.

M. Bond found several species in the J. J. F. X. King collection, Hunterian Museum, Glasgow. Unfortunately, some records in O'Meara (2001) should be removed owing to uncertainty as to precise locations, misidentifications or subsequent taxonomic changes. Thus, with its additions, deletions, and corrections the revised and extended checklist comprises 1,029 butterflies and moths out of an Irish fauna of 1,593 species. These additions are indicated with a plus sign either after the authority or vernacular name.

Although Co. Waterford has had both professional and amateur lepidopterists recording species throughout the county for over 150 years their activities were somewhat fleeting, and the county's fauna remained relatively unknown until recent times, when, for example K. G. M. Bond started systematically recording here adding numerous records in the process.

The records to be removed apply to, but not solely, Murray, who was the preeminent lepidopterist of his day in Counties Tipperary and Waterford and who collected from the 1910's to the 1940's mostly, but not exclusively around Clonmel which straddles the River Suir which forms the border between the two counties. Regrettably, living so close to the border it is unclear to which county several of his records belong. It is acknowledged that these records by Murray from "Clonmel" come from within a 15-mile (24km) radius of the town (Beirne, 1941). Due to their ambiguity some are broadly mapped by the NBDC with the hectad and site name of "S22 Clonmel general area" (see <<https://maps.biodiversityireland.ie/Map>>) which spans both counties. O'Meara (2001) lists additional records by Murray also from hectad "S22" which are currently unmapped by the NBDC and MothsIreland, but may be similarly treated in future. These and other records to be removed from the county checklist, totalling 56 in all, are listed in the appendix with a brief explanation for their removal.

CHECKLIST OF THE BUTTERFLIES AND MOTHS (LEPIDOPTERA) OF COUNTY WATERFORD

The systematic order, nomenclature and numbering system of the checklist follows Agassiz *et al.* (2024), abbreviated to ABH, with the species listed under each family. Common names are given for all butterflies, macromoths and the micromoths that have widely recognised common names. Lately some authors have used the proposed new vernacular names for micromoths (Wheeler, 2017), as these have yet to gain widespread acceptance, they have not been used here. *RE = Regionally Extinct (see Allen *et al.*, 2016). **(see van Nieukerken *et al.*, 2012).

MICROPTERIGIDAE

1.003 *Micropterix aureatella* (Scopoli, 1763) +

1.004 *Micropterix aruncella* (Scopoli, 1763)

1.005 *Micropterix calthella* (Linnaeus, 1761)

ERIOCRANIIDAE

- 2.001 *Dyseriocrania subpurpurella* (Haworth, 1828) +
- 2.002 *Paracrania chrysolepidella* (Zeller, 1851) +
- 2.003 *Eriocrania unimaculella* (Zetterstedt, 1839) +
- 2.004 *Eriocrania sparrmannella* (Bosc, 1791) +
- 2.005 *Eriocrania salopiella* (Stainton, 1854) +
- 2.006 *Eriocrania cicatricella* (Zetterstedt, 1839) +
- 2.007 *Eriocrania semipurpurella* (Stephens, 1835) +
- 2.008 *Eriocrania sangii* (Wood, 1891)

HEPIALIDAE

- 3.002 *Korscheltellus lupulina* (Linnaeus, 1758) Common Swift
- 3.003 *Korscheltellus fusconebulosa* (DeGeer, 1778) Map-winged Swift
- 3.004 *Phymatopus hecta* (Linnaeus, 1758) Gold Swift
- 3.005 *Hepialus humuli* (Linnaeus, 1758) Ghost Moth

NEPTICULIDAE

- 4.002 *Stigmella lapponica* (Wocke, 1862)
- 4.003 *Stigmella confusella* (Wood, 1894)
- 4.005 *Stigmella betulicola* (Stainton, 1856) +
- 4.007 *Stigmella luteella* (Stainton, 1857)
- 4.008 *Stigmella glutinosae* (Stainton, 1858) +
- 4.010 *Stigmella microtheriella* (Stainton, 1854)
- 4.015 *Stigmella anomalella* (Goeze, 1783) Rose Leaf Miner
- 4.018 *Stigmella ulmivora* (Fologne, 1860)
- 4.023 *Stigmella crataegella* (Klimesch, 1936)
- 4.024 *Stigmella magdalenae* (Klimesch, 1950) +
- 4.025 *Stigmella nylandriella* (Tengström, 1848)
- 4.026 *Stigmella oxyacanthella* (Stainton, 1854)
- 4.030 *Stigmella hybnerella* (Hübner, 1796)
- 4.032 *Stigmella floslactella* (Haworth, 1828)
- 4.034 *Stigmella tityrella* (Stainton, 1854)
- 4.035 *Stigmella salicis* (Stainton, 1854) +
- 4.0351 *Stigmella “salicis”* (Cluster 6) currently unnamed +**
- 4.036 *Stigmella myrtillella* (Stainton, 1857) +
- 4.038 *Stigmella obliquella* (Heinemann, 1862) +
- 4.039 *Stigmella trimaculella* (Haworth, 1828) +
- 4.041 *Stigmella sorbi* (Stainton, 1861) +
- 4.042 *Stigmella plagicolella* (Stainton, 1854)

- 4.043 *Stigmella lemniscella* (Zeller, 1839)
4.044 *Stigmella continuella* (Stainton, 1856) +
4.045 *Stigmella aurella* (Fabricius, 1775)
4.051 *Stigmella poterii* (Stainton, 1857) +
4.052 *Stigmella filipendulae* (Wocke, 1871) +
4.054 *Stigmella perpygmaeella* (Doubleday, 1859) +
4.055 *Stigmella hemargyrella* (Kollar, 1832)
4.061 *Stigmella atricapitella* (Haworth, 1828) +
4.063 *Stigmella roborella* (Johansson, 1971) +
4.068 *Trifurcula immundella* (Zeller, 1839) +
4.071 *Bohemannia pulverosella* (Stainton, 1849)
4.078 *Fomoria septembrella* (Stainton, 1849) +
4.082 *Ectoedemia intimella* (Zeller, 1848) +
4.089 *Ectoedemia albifasciella* (Heinemann, 1871) +
4.090 *Ectoedemia subbimaculella* (Haworth, 1828) +
4.091 *Ectoedemia heringi* (Toll, 1934) +
4.094 *Ectoedemia angulifasciella* (Stainton, 1849) +
4.095 *Ectoedemia atricollis* (Stainton, 1857) +
4.099 *Ectoedemia occultella* (Linnaeus, 1767)
4.100 *Ectoedemia minimella* (Zetterstedt, 1839) +

OPOSTEGIDAE

- 5.004 *Pseudopostega crepusculella* (Zeller, 1839) +

HELIOZELIDAE

- 6.003 *Heliozela sericiella* (Haworth, 1828) +
6.004 *Heliozela resplendella* (Stainton, 1851) +
6.005 *Heliozela hammoniella* Sorhagen, 1885 +

ADELIDAE

- 7.001 *Nemophora degeerella* (Linnaeus, 1758) +
7.005 *Nemophora minimella* ([Denis & Schiffermüller], 1775) +
7.006 *Adela reaumurella* (Linnaeus, 1758) +
7.007 *Adela cuprella* ([Denis & Schiffermüller], 1775) +
7.010 *Cauchas rufimitrella* (Scopoli, 1763) +
7.012 *Nematopogon schwarziellus* Zeller, 1839
7.014 *Nematopogon metaxella* (Hübner, [1813]) +
7.015 *Nematopogon swammerdamella* (Linnaeus, 1758) +

INCURVARIIDAE

- 8.001 *Incurvaria pectinea* Haworth, 1828
8.002 *Incurvaria masculella* ([Denis & Schiffermüller], 1775) +
8.004 *Incurvaria praelatella* ([Denis & Schiffermüller], 1775)
8.005 *Phylloporia bistrigella* (Haworth, 1828) +

PRODOXIDAE

- 9.002 *Lampronia luzella* (Hübner, [1817]) +

TISCHERIIDAE

- 10.001 *Tischeria ekebladella* (Bjerkander, 1795) +
10.003 *Coptotriche marginea* (Haworth, 1828)

PSYCHIDAE

- 11.001 *Diplodoma laichartingella* (Goeze, 1783) +
11.009 *Luffia lapidella* (Goeze, 1783) +
11.012 *Psyche casta* (Pallas, 1767)

TINEIDAE

- 12.006 *Infurcitinea argentimaculella* (Stainton, 1849) +
12.016 *Nemapogon cloacella* (Haworth, 1828) Cork Moth +
12.027 *Tinea pellionella* Linnaeus, 1758 Case-bearing Clothes Moth +
12.030 *Tinea pallescentella* Stainton, 1851 Large Pale Clothes Moth +
12.032 *Tinea semifulvella* Haworth, 1828
12.033 *Tinea trinotella* Thunberg, 1794 +
12.036 *Monopis laevigella* ([Denis & Schiffermüller], 1775) Skin Moth
12.039 *Monopis crocicapitella* (Clemens, 1859) +
12.048 *Psychoides filicivora* (Meyrick, 1937)

BUCCULATRICIDAE

- 14.002 *Bucculatrix nigricomella* (Zeller, 1839) +
14.003 *Bucculatrix maritima* Stainton, 1851 +
14.008 *Bucculatrix cidarella* (Zeller, 1839) +
14.010 *Bucculatrix ulmella* Zeller, 1848 +
14.013 *Bucculatrix demaryella* (Duponchel, 1840) +

GRACILLARIIDAE

- 15.002 *Caloptilia cuculipennella* (Hübner, 1796) +
15.004 *Caloptilia elongella* (Linnaeus, 1761)
15.005 *Caloptilia betulicola* (Hering, 1928) +
15.006 *Caloptilia rufipennella* (Hübner, 1796) +
15.008 *Caloptilia alchimiella* (Scopoli, 1763) +
15.009 *Caloptilia robustella* Jäckh, 1972 +

- 15.010 *Caloptilia stigmatella* (Fabricius, 1781)
15.011 *Caloptilia falconipennella* (Hübner, [1813]) +
15.014 *Gracillaria syringella* (Fabricius, 1794)
15.015 *Aspilapteryx tringipennella* (Zeller, 1839)
15.016 *Euspilapteryx auroguttella* Stephens, 1835 +
15.018 *Povolnya leucapennella* (Stephens, 1835)
15.019 *Acrocercops brongniardella* (Fabricius, 1798) +
15.022 *Callisto denticulella* (Thunberg, 1794) +
15.025 *Parornix betulae* (Stainton, 1854) +
15.028 *Parornix anglicella* (Stainton, 1850)
15.029 *Parornix devoniella* (Stainton, 1850) +
15.030 *Parornix scoticella* (Stainton, 1850) +
15.033 *Parornix torquillella* (Zeller, 1850)
15.035 *Phyllonorycter roboris* (Zeller, 1839) +
15.039 *Phyllonorycter quercifoliella* (Zeller, 1839) +
15.040 *Phyllonorycter messaniella* (Zeller, 1846)
15.043 *Phyllonorycter oxyacanthae* (Frey, 1856)
15.044 *Phyllonorycter sorbi* (Frey, 1855)
15.045 *Phyllonorycter mespilella* (Hübner, [1805]) +
15.046 *Phyllonorycter blancardella* (Fabricius, 1781) +
15.047 *Phyllonorycter hostis* Triberti, 2007 +
15.049 *Phyllonorycter spinicolella* (Zeller, 1846)
15.052 *Phyllonorycter corylifoliella* (Hübner, 1796)
15.053 *Phyllonorycter leucographella* (Zeller, 1850) Firethorn Leaf Miner +
15.055 *Phyllonorycter viminetorum* (Stainton, 1854) +
15.056 *Phyllonorycter salicicolella* (Sircom, 1848) +
15.058 *Phyllonorycter hilaella* (Zetterstedt, 1839) +
15.063 *Phyllonorycter maestingella* (Müller, 1764)
15.064 *Phyllonorycter coryli* (Nicelli, 1851) Nut Leaf Blister Moth
15.067 *Phyllonorycter rajella* (Linnaeus, 1758) +
15.071 *Phyllonorycter nigrescentella* (Logan, 1851)
15.073 *Phyllonorycter lautella* (Zeller, 1846) +
15.075 *Phyllonorycter ulmifoliella* (Hübner, [1817]) +
15.076 *Phyllonorycter emberizaepenella* (Bouché, 1834) +
15.080 *Phyllonorycter froelichiella* (Zeller, 1839) +
15.081 *Phyllonorycter nicellii* (Stainton, 1851) +
15.082 *Phyllonorycter klemannella* (Fabricius, 1781) +

- 15.083 *Phyllonorycter trifasciella* (Haworth, 1828) +
15.086 *Phyllonorycter geniculella* (Ragonot, 1874) +
15.089 *Cameraria ohridella* Deschka & Dimić, 1986 +

YPONOMEUTIDAE

- 16.001 *Yponomeuta evonymella* (Linnaeus, 1758) Bird-cherry Ermine +
16.002 *Yponomeuta padella* (Linnaeus, 1758) Orchard Ermine
16.003 *Yponomeuta malinellus* Zeller, 1838 Apple Ermine +
16.004 *Yponomeuta cagnagella* (Hübner, [1813]) Spindle Ermine +
16.005 *Yponomeuta rorrella* (Hübner, 1796) Willow Ermine +
16.010 *Zelleria hepariella* Stainton, 1849 +
16.014 *Pseudoswammerdamia combinella* (Hübner, 1786)
16.015 *Swammerdamia caesiella* (Hübner, 1796)
16.020 *Paraswammerdamia nebulella* (Goeze, 1783) +
16.022 *Cedestis subfasciella* (Stephens, 1834) +
16.023 *Ocnerostoma piniariella* Zeller, 1847 +
16.024 *Ocnerostoma friesei* Svensson, 1966 +

YPSOLOPHIDAE

- 17.002 *Ypsolopha nemorella* (Linnaeus, 1758)
17.003 *Ypsolopha dentella* (Fabricius, 1775) Honeysuckle Moth
17.005 *Ypsolopha scabrella* (Linnaeus, 1761) +
17.010 *Ypsolopha parenthesella* (Linnaeus, 1761)
17.013 *Ypsolopha vittella* (Linnaeus, 1758) +
17.015 *Ochsenheimeria urella* Fischer von Röslerstamm, 1842 +

PLUTELLIDAE

- 18.001 *Plutella xylostella* (Linnaeus, 1758) Diamond-back Moth
18.003 *Plutella porrectella* (Linnaeus, 1758)
18.005 *Rhigognostis annulatella* (Curtis, 1832) +
18.006 *Rhigognostis incarnatella* (Steudel, 1873) +

GLYPHIPTERIGIDAE

- 19.001 *Orthotelia sparganella* (Thunberg, 1788) +
19.002 *Glyphipterix thrasonella* (Scopoli, 1763)
19.006 *Glyphipterix forsterella* (Fabricius, 1781) +
19.007 *Glyphipterix simpliciella* (Stephens, 1834) Cocksfoot Moth +
19.010 *Digitalivalva pulicariae* (Klimesch, 1956)
19.014 *Acrolepia autumnitella* Curtis, 1838 +

AGRYRESTHIIDAE

- 20.001 *Argyresthia laevigatella* Herrich-Schäffer, 1855

- 20.005 *Argyresthia trifasciata* Staudinger, 1871 +
20.007 *Argyresthia cupressella* Walsingham, 1890 Cypress Tip Moth +
20.011 *Argyresthia brockeella* (Hübner, [1813]) +
20.012 *Argyresthia goedartella* (Linnaeus, 1758) +
20.013 *Argyresthia pygmaeella* ([Denis & Schiffermüller], 1775)
20.015 *Argyresthia curvella* (Linnaeus, 1761) +
20.016 *Argyresthia retinella* Zeller, 1839 +
20.017 *Argyresthia glaucinella* Zeller, 1839 +
20.018 *Argyresthia spinosella* Stainton, 1849 +
20.019 *Argyresthia conjugella* Zeller, 1839 Apple Fruit Moth
20.021 *Argyresthia pruniella* (Clerck, 1759) Cherry Fruit Moth +
20.022 *Argyresthia bonnetella* (Linnaeus, 1758)
20.023 *Argyresthia albistria* (Haworth, 1828) +

LYONETIIDAE

- 21.001 *Lyonetia clerkella* (Linnaeus, 1758) Apple Leaf Miner
21.004 *Leucoptera laburnella* (Stainton, 1851) Laburnum Leaf Miner
21.005 *Leucoptera spartifoliella* (Hübner, [1813]) +
21.008 *Leucoptera malifoliella* (Costa, [1836]) Pear Leaf Blister Moth

PRAYDIDAE

- 22.002 *Prays fraxinella* (Bjerkander, 1784) Ash Bud Moth +
22.003 *Prays ruficeps* (Heinemann, 1854) +

BEDELLIIDAE

- 24.001 *Bedellia somnulentella* (Zeller, 1847) +

OECOPHORIDAE

- 28.009 *Endrosis sarcitrella* (Linnaeus, 1758) White-shouldered House-moth
28.010 *Hofmannophila pseudospretella* (Stainton, 1849) Brown House-moth
28.012 *Borkhausenia fuscescens* (Haworth, 1828) +
28.017 *Batia lambdella* (Donovan, 1793) +
28.019 *Esperia sulphurella* (Fabricius, 1775) +

CHIMABACHIDAE

- 29.001 *Diurnea fagella* ([Denis & Schiffermüller], 1775)
29.002 *Diurnea lipsiella* ([Denis & Schiffermüller], 1775) +

PELEOPODIDAE

- 31.001 *Carcina quercana* (Fabricius, 1775)

DEPRESSARIIDAE

- 32.006 *Exaeretia allisella* Stainton, 1849 +
32.007 *Agonopterix ocellana* (Fabricius, 1775)

- 32.008 *Agonopterix liturosa* (Haworth, 1811) +
32.009 *Agonopterix purpurea* (Haworth, 1811)
32.015 *Agonopterix subpropinquella* (Stainton, 1849) +
32.016 *Agonopterix propinquella* (Treitschke, 1835)
32.017 *Agonopterix arenella* ([Denis & Schiffermüller], 1775) +
32.018 *Agonopterix heracliana* (Linnaeus, 1758)
32.019 *Agonopterix ciliella* (Stainton, 1849)
32.023 *Agonopterix rotundella* (Douglas, 1846) +
32.024 *Agonopterix assimilella* (Treitschke, 1832)
32.029 *Agonopterix umbellana* (Fabricius, 1794) +
32.030 *Agonopterix nervosa* (Haworth, 1811)
32.031 *Agonopterix alstromeriana* (Clerck, 1759)
32.032 *Agonopterix angelicella* (Hübner, [1813]) +
32.035 *Agonopterix yeatiana* (Fabricius, 1781) +
32.036 *Depressaria radiella* (Goeze, 1783) Parsnip Moth +
32.039 *Depressaria daucella* ([Denis & Schiffermüller], 1775) +
32.040 *Depressaria ultimella* Stainton, 1849 +

COSMOPTERIGIDAE

- 34.004 *Limnaecia phragmitella* Stainton, 1851 +

GELECHIIDAE

- 35.004 *Aproaerema taeniolella* (Zeller, 1839) +
35.009 *Aproaerema polychromella* (Rebel, 1902) +
35.010 *Aproaerema anthyllidella* (Hübner, [1813]) +
35.017 *Neofaculta ericetella* (Geyer, [1832]) +
35.018 *Hypatima rhomboidella* (Linnaeus, 1758) +
35.020 *Anarsia spartiella* (Schrank, 1802) +
35.026 *Acompsia cinerella* (Clerck, 1759) +
35.031 *Helcystogramma rufescens* (Haworth, 1828)
35.036 *Chrysoesthia sexguttella* (Thunberg, 1794)
35.038 *Bryotropha domestica* (Haworth, 1828)
35.040 *Bryotropha terrella* ([Denis & Schiffermüller], 1775)
35.041 *Bryotropha desertella* (Douglas, 1850)
35.046 *Bryotropha senectella* (Zeller, 1839) +
35.047 *Bryotropha affinis* (Haworth, 1828) +
35.048 *Bryotropha umbrosella* (Zeller, 1839) +
35.049 *Bryotropha similis* (Stainton, 1854) +
35.055 *Metzneria aestivella* (Zeller, 1839) +

- 35.058 *Metzneria metzneriella* (Stainton, 1851) +
 35.060 *Apodia martini* Petry, 1911 +
 35.061 *Ptocheuusa paupella* (Zeller, 1847) +
 35.065 *Monochroa cytisella* (Curtis, 1837) +
 35.066 *Monochroa tenebrella* (Hübner, [1817]) +
 35.071 *Monochroa lucidella* (Stephens, 1834) +
 35.079 *Oxypteryx wilkella* (Linnaeus, 1758) +
 35.081 *Oxypteryx atrella* ([Denis & Schiffermüller], 1775) +
 35.085 *Athrips mouffetella* (Linnaeus, 1758) +
 35.093 *Mirificarma mulinella* (Zeller, 1839) +
 35.109 *Scrobipalpa acuminatella* (Sircom, 1850) +
 35.114 *Scrobipalpa instabilella* (Douglas, 1846) +
 35.115 *Scrobipalpa nitentella* (Fuchs, 1902) +
 35.117 *Scrobipalpa atriplicella* (Fischer von Röslerstamm, [1841]) +
 35.118 *Scrobipalpa ocellatella* (Boyd, 1858) Beet Moth +
 35.119 *Scrobipalpa samadensis* (Pfaffen-zeller, 1870) +
 35.120 *Scrobipalpa artemisiella* (Treitschke, 1833) Thyme Moth
 35.123 *Scrobipalpa costella* (Humphreys & Westwood, 1845) +
 35.126 *Phthorimaea operculella* (Zeller, 1873) Potato Tuber Moth +
 35.127 *Tuta absoluta* (Meyrick, 1917) +
 35.128 *Caryocolum alsinella* (Zeller, 1868) +
 35.131 *Caryocolum marmorea* (Haworth, 1828) +
 35.148 *Carpatolechia fugitivella* (Zeller, 1839) +
 35.159 *Exoteleia dodecella* (Linnaeus, 1758) +

BATRACHEDRIDAE

- 36.001 *Batrachedra praeangusta* (Haworth, 1828) +

COLEOPHORIDAE

- 37.005 *Coleophora lutipennella* (Zeller, 1838) +
 37.006 *Coleophora gryphipennella* (Hübner, 1796) +
 37.007 *Coleophora flavipennella* (Duponchel, [1843]) +
 37.015 *Coleophora serratella* (Linnaeus, 1761)
 37.016 *Coleophora spinella* (Schränk, 1802) Apple & Plum Case-bearer
 37.022 *Coleophora lusciniapennella* (Treitschke, 1833) +
 37.044 *Coleophora discordella* Zeller, 1849
 37.046 *Coleophora deauratella* Lienig & Zeller, 1846
 37.050 *Coleophora albidella* ([Denis & Schiffermüller], 1775) +
 37.055 *Coleophora pyrrhulipennella* Zeller, 1839 +

- 37.063 *Coleophora albicosta* (Haworth, 1828) +
37.066 *Coleophora laricella* (Hübner, [1817]) Larch Case-bearer +
37.068 *Coleophora adjunctella* Hodgkinson, 1882
37.069 *Coleophora caespititiella* Zeller, 1839 +
37.070 *Coleophora tamesis* Waters, 1929 +
37.071 *Coleophora glaucicolella* Wood, 1892
37.073 *Coleophora alticolella* Zeller, 1849
37.080 *Coleophora virgaureae* Stainton, 1857
37.083 *Coleophora saxicolella* (Duponchel, [1843])
37.086 *Coleophora versurella* Zeller, 1849 +
37.088 *Coleophora atriplicis* Meyrick, [1928]
37.093 *Coleophora peribenanderi* Toll, 1943 +
37.099 *Coleophora striatipennella* Nylander, [1848] +
37.103 *Coleophora follicularis* (Vallot, 1802) +
37.104 *Coleophora adpersella* Benander, 1939 +
37.106 *Coleophora paripennella* Zeller, 1839 +
37.108 *Coleophora salicorniae* Heinemann & Wocke, [1876] +

ELACHISTIDAE

- 38.001 *Perittia obscurepunctella* (Stainton, 1848) +
38.004 *Elachista argentella* (Clerck, 1759)
38.005 *Elachista triatomea* (Haworth, 1828) +
38.016 *Elachista subalbidella* Schläger, 1847 +
38.025 *Elachista atricomella* Stainton, 1849 +
38.029 *Elachista luticomella* Zeller, 1839 +
38.030 *Elachista albifrontella* (Hübner, [1817])
38.032 *Elachista apicipunctella* Stainton, 1849 +
38.037 *Elachista canapennella* (Hübner, [1813]) +
38.038 *Elachista rufocinerea* (Haworth, 1828)
38.039 *Elachista maculicerusella* (Bruand, 1859) +
38.043 *Elachista scirpi* Stainton, 1887
38.045 *Elachista utonella* Frey, 1856 +
38.047 *Elachista freyerella* (Hübner, [1825])
38.048 *Elachista consortella* Stainton, 1851+

PARAMETRIOTIDAE

- 39.001 *Blastodacna hellerella* (Duponchel, 1838) +
39.003 *Spuleria flavicaput* (Haworth, 1828) +

MOMPHIDAE

- 40.002 *Mompha ochraceella* (Curtis, 1839) +
40.004 *Mompha propinquella* (Stainton, 1851) +
40.008 *Mompha subbistrigella* (Haworth, 1828) +
40.010 *Mompha epilobiella* ([Denis & Schiffermüller], 1775) +
40.013 *Mompha locupletella* ([Denis & Schiffermüller], 1775) +
40.015 *Mompha raschkiella* (Zeller, 1839) +

BLASTOBASIDAE

- 41.002 *Blastobasis adustella* Walsingham, 1894
41.003 *Blastobasis lacticolella* Rebel, 1940 +

SCYTHRIDIDAE

- 43.004 *Scythris picaepennis* (Haworth, 1828) +

ALUCITIDAE

- 44.001 *Alucita hexadactyla* Linnaeus, 1758 Many-plumed Moth

PTEROPHORIDAE

- 45.004 *Platyptilia gonodactyla* ([Denis & Schiffermüller], 1775) Triangle Plume +
45.006 *Platyptilia isodactylus* (Zeller, 1852) Hoary Plume +
45.008 *Gillmeria pallidactyla* (Haworth, 1811) Yarrow Plume +
45.010 *Amblyptilia acanthadactyla* (Hübner, [1813]) Beautiful Plume +
45.011 *Amblyptilia punctidactyla* (Haworth, 1811) Brindled Plume
45.012 *Stenoptilia pterodactyla* (Linnaeus, 1761) Brown Plume
45.013 *Stenoptilia bipunctidactyla* (Scopoli, 1763) Twin-spot Plume
45.021 *Stenoptilia zophodactylus* (Duponchel, 1840) Dowdy Plume +
45.023 *Marasmarcha lunaedactyla* (Haworth, 1811) Crescent Plume
45.027 *Oxyptilus laetus* (Zeller, 1847) Scarce Light Plume +
45.030 *Pterophorus pentadactyla* (Linnaeus, 1758) White Plume
45.037 *Oidaematophorus lithodactyla* (Treitschke, 1833) Dusky Plume +
45.043 *Adaina microdactyla* (Hübner, [1813]) Hemp Agrimony Plume
45.044 *Emmelina monodactyla* (Linnaeus, 1758) Common Plume

SCHRECKENSTEINIIDAE

- 46.001 *Schreckensteinia festaliella* (Hübner, [1819])

EPERMENIIDAE

- 47.004 *Epermenia aequidentellus* (Hofmann, 1867) +
47.005 *Epermenia chaerophyllella* (Goeze, 1783) +

CHOREUTIDAE

- 48.001 *Anthophila fabriciana* (Linnaeus, 1767)
48.002 *Prochoreutis myllerana* (Fabricius, 1794) +

TORTRICIDAE

- 49.001 *Olindia schumacherana* (Fabricius, 1787) +
- 49.004 *Ditula angustiorana* (Haworth, 1811) Red-barred Tortrix +
- 49.005 *Epagoge grotiana* (Fabricius, 1781) +
- 49.008 *Philedone gerningana* ([Denis & Schiffermüller], 1775)
- 49.009 *Capua vulgana* (Frölich, 1828) +
- 49.013 *Archips podana* (Scopoli, 1763) Large Fruit-tree Tortrix +
- 49.015 *Archips xylosteana* (Linnaeus, 1758) Variegated Golden Tortrix +
- 49.016 *Archips rosana* (Linnaeus, 1758) Rose Tortrix +
- 49.022 *Ptycholoma lecheana* (Linnaeus, 1758)
- 49.024 *Pandemis corylana* (Fabricius, 1794) Chequered Fruit-tree Tortrix
- 49.025 *Pandemis cerasana* (Hübner, 1786) Barred Fruit-tree Tortrix
- 49.026 *Pandemis heparana* ([Denis & Schiffermüller], 1775) Dark Fruit-tree Tortrix
- 49.028 *Syndemis musculana* (Hübner, [1799])
- 49.029 *Lozotaenia forsterana* (Fabricius, 1781)
- 49.030 *Cacoecimorpha pronubana* (Hübner, [1799]) Carnation Tortrix +
- 49.031 *Zelotherses paleana* (Hübner, 1793) Timothy Tortrix
- 49.032 *Zelotherses unitana* (Hübner, [1799]) +
- 49.033 *Aphelia viburnana* ([Denis & Schiffermüller], 1775) Bilberry Tortrix
- 49.035 *Clepsis senecionana* (Hübner, [1819]) +
- 49.036 *Clepsis rurinana* (Linnaeus, 1758) +
- 49.037 *Clepsis spectrana* (Treitschke, 1830) Cyclamen Tortrix +
- 49.038 *Clepsis consimilana* (Hübner, [1817])
- 49.039 *Epiphyas postvittana* (Walker, 1863) Light Brown Apple Moth +
- 49.044 *Tortricodes alternella* ([Denis & Schiffermüller], 1775) +
- 49.045 *Eana osseana* (Scopoli, 1763) +
- 49.049 *Cnephasia incertana* (Treitschke, 1835) Light Grey Tortrix +
- 49.050 *Cnephasia stephensiana* (Doubleday, [1849]) Grey Tortrix +
- 49.051 *Cnephasia asseclana* ([Denis & Schiffermüller], 1775) Flax Tortrix +
- 49.056 *Cnephasia conspersana* Douglas, 1846
- 49.059 *Tortrix viridana* Linnaeus, 1758 Green Oak Tortrix
- 49.060 *Aleimma loeflingiana* (Linnaeus, 1758) +
- 49.061 *Acleris holmiana* (Linnaeus, 1758)
- 49.062 *Acleris forsskaleana* (Linnaeus, 1758) +
- 49.063 *Acleris bergmanniana* (Linnaeus, 1758)
- 49.064 *Acleris caledoniana* (Stephens, 1852) +
- 49.066 *Acleris laterana* (Fabricius, 1794)

- 49.069 *Acleris sparsana* ([Denis & Schiffermüller], 1775)
 49.070 *Acleris rhombana* ([Denis & Schiffermüller], 1775) Rhomboid Tortrix +
 49.071 *Acleris emargana* (Fabricius, 1775) +
 49.077 *Acleris variegana* ([Denis & Schiffermüller], 1775) Garden Rose Tortrix
 49.078 *Acleris aspersana* (Hübner, [1817])
 49.080 *Acleris hastiana* (Linnaeus, 1758)
 49.082 *Acleris hyemana* (Haworth, 1811)
 49.083 *Acleris ferrugana* ([Denis & Schiffermüller], 1775)
 49.084 *Acleris notana* (Donovan, 1806) +
 49.087 *Acleris literana* (Linnaeus, 1758)
 49.091 *Pseudargyrotoza conwagana* (Fabricius, 1775)
 49.092 *Phtheochroa inopiana* (Haworth, 1811) +
 49.096 *Hysterophora maculosana* (Haworth, 1811) +
 49.097 *Cochylimorpha straminea* (Haworth, 1811) +
 49.101 *Phalonidia manniana* (Fischer von Röslerstamm, 1839) +
 49.103 *Phalonidia affinitana* (Douglas, 1846) +
 49.105 *Gynnidomorpha vectisana* (Humphreys & Westwood, 1845) +
 49.106 *Gynnidomorpha minimana* (Caradja, 1916) +
 49.109 *Agapeta hamana* (Linnaeus, 1758) +
 49.110 *Agapeta zoegana* (Linnaeus, 1767)
 49.111 *Eupoecilia angustana* (Hübner, [1799])
 49.115 *Aethes piercei* Obraztsov, 1952 +
 49.124 *Aethes francillana* (Fabricius, 1794) +
 49.127 *Aethes cnicana* (Westwood, 1854)
 49.128 *Aethes rubigana* (Treitschke, 1830)
 49.133 *Thyraylia nana* (Haworth, 1811) +
 49.135 *Cochylis flaviciliana* (Westwood, 1854) +
 49.137 *Neocochylis dubitana* (Hübner, [1799]) +
 49.139 *Cochylischroa atricapitana* (Stephens, 1852) +
 49.144 *Eudemis profundana* ([Denis & Schiffermüller], 1775) +
 49.146 *Apotomis semifasciana* (Haworth, 1811) +
 49.154 *Orthotaenia undulana* ([Denis & Schiffermüller], 1775) +
 49.156 *Hedya nubiferana* (Haworth, 1811) Marbled Orchard Tortrix +
 49.157 *Hedya pruniana* (Hübner, [1799]) Plum Tortrix
 49.158 *Hedya ochroleucana* (Frölich, 1828) +
 49.162 *Celypha rosaceana* Schläger, 1847 +
 49.164 *Celypha cespitana* (Hübner, [1817])

- 49.166 *Celypha lacunana* ([Denis & Schiffermüller], 1775)
- 49.169 *Celypha aurofasciana* (Haworth, 1811) +
- 49.180 *Piniphila bifasciana* (Haworth, 1811) +
- 49.183 *Lobesia abscisana* (Doubleday, [1849]) +
- 49.185 *Lobesia littoralis* (Humphreys & Westwood, 1845)
- 49.188 *Endothenia marginana* (Haworth, 1811) +
- 49.190 *Endothenia ustulana* (Haworth, 1811) +
- 49.192 *Endothenia ericetana* (Humphreys & Westwood, 1845) +
- 49.193 *Endothenia quadrimaculana* (Haworth, 1811)
- 49.194 *Bactra lancealana* (Hübner, [1799]) +
- 49.197 *Bactra robustana* (Christoph, 1872) +
- 49.198 *Bactra venosana* (Zeller, 1847) +
- 49.200 *Enarmonia formosana* (Scopoli, 1763) Cherry Bark Tortrix +
- 49.207 *Ancylis geminana* (Donovan, 1806) +
- 49.214 *Ancylis badiana* ([Denis & Schiffermüller], 1775) +
- 49.220 *Rhopobota myrtilana* (Humphreys & Westwood, 1845) +
- 49.223 *Rhopobota naevana* (Hübner, [1817]) Holly Tortrix +
- 49.224 *Spilonota ocellana* ([Denis & Schiffermüller], 1775) Bud Moth +
- 49.225 *Spilonota laricana* (Heinemann, 1863) +
- 49.230 *Epinotia trigonella* (Linnaeus, 1758) +
- 49.234 *Epinotia abbreviana* (Fabricius, 1794) +
- 49.237 *Epinotia signatana* (Douglas, 1845) +
- 49.239 *Epinotia mercuriana* (Frölich, 1828)
- 49.240 *Epinotia immundana* (Fischer von Röslerstamm, 1839)
- 49.242 *Epinotia nanana* (Treitschke, 1835) +
- 49.244 *Epinotia subocellana* (Donovan, 1806) +
- 49.246 *Epinotia pygmaeana* (Hübner, [1799]) +
- 49.247 *Epinotia subsequana* (Haworth, 1811) +
- 49.248 *Epinotia tenerana* ([Denis & Schiffermüller], 1775) Nut Bud Moth +
- 49.249 *Epinotia ramella* (Linnaeus, 1758)
- 49.251 *Epinotia rubiginosana* (Herrich-Schäffer, 1851) +
- 49.252 *Epinotia tedella* (Clerck, 1759) +
- 49.253 *Epinotia fraternana* (Haworth, 1811) +
- 49.254 *Epinotia bilunana* (Haworth, 1811) +
- 49.255 *Epinotia nisella* (Clerck, 1759) +
- 49.259 *Zeiraphera ratzeburgiana* (Saxesen, 1840) Spruce Bud Moth +
- 49.260 *Zeiraphera isertana* (Fabricius, 1794) +

- 49.261 *Crociosema plebejana* Zeller, 1847 +
49.264 *Eucosma obumbratana* (Lienig & Zeller, 1846) +
49.265 *Eucosma cana* (Haworth, 1811) +
49.266 *Eucosma hohenwartiana* ([Denis & Schiffermüller], 1775) +
49.269 *Eucosma campoliliana* ([Denis & Schiffermüller], 1775) +
49.272 *Eucosma tripoliana* (Barrett, 1880) +
49.275 *Eucosma conterminana* (Guenée, 1845) +
49.279 *Gypsonoma dealbana* (Frölich, 1828)
49.281 *Gypsonoma sociana* (Haworth, 1811) +
49.285 *Epiblema scutulana* ([Denis & Schiffermüller], 1775)
49.286 *Epiblema cirsiana* (Zeller, 1843) +
49.289 *Epiblema costipunctana* (Haworth, 1811) +
49.292 *Notocelia cynosbatella* (Linnaeus, 1758)
49.294 *Notocelia uddmanniana* (Linnaeus, 1758) Bramble Shoot Moth
49.295 *Notocelia roborana* ([Denis & Schiffermüller], 1775) +
49.296 *Notocelia incarnatana* (Hübner, [1800]) +
49.297 *Notocelia rosaecolana* (Doubleday, 1850) +
49.298 *Notocelia trimaculana* (Haworth, 1811) +
49.304 *Clavigesta purdeyi* (Durrant, 1911) Pine Leaf-mining Moth +
49.305 *Rhyacionia buoliana* ([Denis & Schiffermüller], 1775) Pine Shoot Moth +
49.309 *Dichrorampha plumbana* (Scopoli, 1763) +
49.313 *Dichrorampha acuminatana* (Lienig & Zeller, 1846) +
49.320 *Dichrorampha alpinana* (Treitschke, 1830) +
49.321 *Dichrorampha petiverella* (Linnaeus, 1758)
49.322 *Dichrorampha plumbagana* (Treitschke, 1830) +
49.323 *Dichrorampha alpestrana* ([Zeller], 1843) +
49.324 *Cydia nigricana* (Fabricius, 1794) Pea Moth +
49.325 *Cydia ulicetana* (Haworth, 1811)
49.327 *Cydia microgrammana* (Guenée, 1845) +
49.332 *Cydia coniferana* (Saxesen, 1840) +
49.338 *Cydia pomonella* (Linnaeus, 1758) Codling Moth
49.341 *Cydia splendana* (Hübner, [1799]) +
49.342 *Cydia fagiglandana* (Zeller, 1841) +
49.343 *Cydia amplana* (Hübner, [1799]) +
49.345 *Lathronympha strigana* (Fabricius, 1775)
49.347 *Grapholita compositella* (Fabricius, 1775) +
49.351 *Grapholita lunulana* ([Denis & Schiffermüller], 1775) +

- 49.354 *Grapholita jungiella* (Clerck, 1759) +
49.3541 *Grapholita molesta* (Busck, 1916) Oriental Fruit Moth +
49.357 *Grapholita funebrana* Treitschke, 1835 Plum Fruit Moth +
49.358 *Grapholita tenebrosana* Duponchel, [1843] +
49.359 *Grapholita janthinana* (Duponchel, 1835) +
49.363 *Pammene argyrana* (Hübner, [1799]) +
49.367 *Pammene fasciana* (Linnaeus, 1761) +
49.371 *Pammene rhediella* (Clerck, 1759) Fruitlet Mining Tortrix +
49.372 *Pammene populana* (Fabricius, 1787) +
49.375 *Pammene regiana* (Zeller, 1849) +
49.376 *Pammene aurita* Razowski, 1992 +
49.379 *Pammene aurana* (Fabricius, 1775) +
49.380 *Pammene gallicana* (Guenée, 1845) +

COSSIDAE

- 50.001 *Cossus cossus* (Linnaeus, 1758) Goat Moth +

SESIIDAE

- 52.002 *Sesia apiformis* (Clerck, 1759) Hornet Moth
52.003 *Sesia bembeciformis* (Hübner, [1806]) Lunar Hornet Moth +
52.008 *Synanthedon formicaeformis* (Esper, 1782) Red-tipped Clearwing +

ZYGAENIDAE

- 54.002 *Adscita statices* (Linnaeus, 1758) Forester
54.008 *Zygaena filipendulae* (Linnaeus, 1758) Six-spot Burnet

HESPERIIDAE

- 57.001 *Erynnis tages* (Linnaeus, 1758) Dingy Skipper
57.005 *Thymelicus lineola* (Ochsenheimer, 1808) Essex Skipper +

PIERIDAE

- 58.002 *Leptidea juvernica* Williams, 1946 Cryptic Wood White
58.003 *Anthocharis cardamines* (Linnaeus, 1758) Orange Tip
58.006 *Pieris brassicae* (Linnaeus, 1758) Large White
58.007 *Pieris rapae* (Linnaeus, 1758) Small White
58.008 *Pieris napi* (Linnaeus, 1758) Green-veined White
58.010 *Colias croceus* (Geoffroy, 1785) Clouded Yellow
58.013 *Gonepteryx rhamni* (Linnaeus, 1758) Brimstone

NYMPHALIDAE

- 59.001 *Danaus plexippus* (Linnaeus, 1758) Monarch
59.002 *Lasiommata megera* (Linnaeus, 1767) Wall
59.003 *Pararge aegeria* (Linnaeus, 1758) Speckled Wood

- 59.005 *Coenonympha pamphilus* (Linnaeus, 1758) Small Heath
59.009 *Aphantopus hyperantus* (Linnaeus, 1758) Ringlet
59.010 *Maniola jurtina* (Linnaeus, 1758) Meadow Brown
59.011 *Pyronia tithonus* (Linnaeus, 1771) Gatekeeper
59.013 *Hipparchia semele* (Linnaeus, 1758) Grayling
59.016 *Issoria lathonia* (Linnaeus, 1758) Queen of Spain Fritillary
59.017 *Argynnis paphia* (Linnaeus, 1758) Silver-washed Fritillary
59.019 *Speyeria aglaja* (Linnaeus, 1758) Dark Green Fritillary
59.023 *Vanessa atalanta* (Linnaeus, 1758) Red Admiral
59.024 *Vanessa cardui* (Linnaeus, 1758) Painted Lady
59.026 *Aglais io* (Linnaeus, 1758) Peacock
59.027 *Aglais urticae* (Linnaeus, 1758) Small Tortoiseshell
59.028 *Nymphalis antiopa* (Linnaeus, 1758) Camberwell Beauty
59.029 *Nymphalis polychloros* (Linnaeus, 1758) Large Tortoiseshell +
59.031 *Polygonia c-album* (Linnaeus, 1758) Comma +
59.033 *Euphydryas aurinia* (Rottemburg, 1775) Marsh Fritillary

LYCAENIDAE

- 61.001 *Lycaena phlaeas* (Linnaeus, 1761) Small Copper
61.003 *Thecla betulae* (Linnaeus, 1758) Brown Hairstreak
61.004 *Favonius quercus* (Linnaeus, 1758) Purple Hairstreak
61.005 *Callophrys rubi* (Linnaeus, 1758) Green Hairstreak
61.010 *Cupido minimus* (Fuessly, 1775) Small Blue
61.012 *Celastrina argiolus* (Linnaeus, 1758) Holly Blue
61.018 *Polyommatus icarus* (Rottemburg, 1775) Common Blue

PYRALIDAE

- 62.001 *Aphomia sociella* (Linnaeus, 1758) Bee Moth
62.005 *Achroia grisella* (Fabricius, 1794) Lesser Wax Moth +
62.007 *Cryptoblabes bistriga* (Haworth, 1811)
62.012 *Pyla fusca* (Haworth, 1811) +
62.015 *Delplanqueia dilutella* ([Denis & Schiffermüller], 1775) +
62.020 *Etiella zinckenella* (Treitschke, 1832) +
62.027 *Dioryctria simplicella* Heinemann, 1863 +
62.028 *Dioryctria abietella* ([Denis & Schiffermüller], 1775) +
62.029 *Phycita roborella* ([Denis & Schiffermüller], 1775) +
62.032 *Nephtopterix angustella* (Hübner, 1796) +
62.035 *Acrobasis advenella* (Zincken, 1818) +
62.042 *Myelois circumvoluta* (Fourcroy, 1785) Thistle Ermine +

- 62.053 *Ancylosis oblitella* (Zeller, 1848) +
62.055 *Homoeosoma nebulella* ([Denis & Schiffermüller], 1775) +
62.056 *Homoeosoma nimbella* (Duponchel, 1837) +
62.058 *Phycitodes binaevella* (Hübner, [1813]) +
62.059 *Phycitodes saxicola* (Vaughan, 1870)
62.063 *Ephestia kuehniella* Zeller, 1879 Mediterranean Flour Moth
62.065 *Ephestia woodiella* Richards & Thomson, 1932 +
62.072 *Pyralis farinalis* (Linnaeus, 1758) Meal Moth

CRAMBIDAE

- 63.005 *Pyrausta despicata* (Scopoli, 1763)
63.007 *Pyrausta purpuralis* (Linnaeus, 1758) +
63.011 *Uresiphita gilvata* (Fabricius, 1794) +
63.014 *Sitochroa palealis* ([Denis & Schiffermüller], 1775) +
63.016 *Anania fuscalis* ([Denis & Schiffermüller], 1775)
63.018 *Anania coronata* (Hufnagel, 1767)
63.022 *Anania crocealis* (Hübner, 1796)
63.024 *Anania funebris* (Ström, 1768)
63.025 *Anania hortulata* (Linnaeus, 1758) Small Magpie
63.028 *Ostrinia nubilalis* (Hübner, 1796) European Corn-borer +
63.031 *Udea ferrugalis* (Hübner, 1796) Rusty-dot Pearl
63.033 *Udea lutealis* (Hübner, [1809])
63.034 *Udea prunalis* ([Denis & Schiffermüller], 1775)
63.037 *Udea olivalis* ([Denis & Schiffermüller], 1775)
63.038 *Patania ruralis* (Scopoli, 1763) Mother of Pearl
63.040 *Mecyna asinalis* (Hübner, [1819]) +
63.044 *Diasemiopsis ramburialis* (Duponchel, 1834) +
63.047 *Spoladea recurvalis* (Fabricius, 1775) +
63.048 *Palpita vitrealis* (Rossi, 1794) +
63.051 *Antigastra catalaunalis* (Duponchel, 1833) +
63.052 *Nomophila noctuella* ([Denis & Schiffermüller], 1775) Rush Veneer
63.054 *Cydalima perspectalis* (Walker, 1859) Box-tree Moth +
63.055 *Herpetogramma licarsisalis* (Walker, 1859) Grass Webworm +
63.057 *Evergestis forficalis* (Linnaeus, 1758) Garden Pebble
63.058 *Evergestis extimalis* (Scopoli, 1763) +
63.060 *Evergestis pallidata* (Hufnagel, 1767) +
63.0605 *Cornifrons ulceratalis* Lederer, 1858 +
63.061 *Hellula undalis* (Fabricius, 1781) Old World Webworm +

- 63.062 *Scoparia subfusca* Haworth, 1811 +
- 63.064 *Scoparia ambigualis* (Treitschke, 1829)
- 63.066 *Scoparia pyralella* ([Denis & Schiffermüller], 1775)
- 63.067 *Eudonia lacustrata* (Panzer, 1804)
- 63.069 *Eudonia angustea* (Curtis, 1827)
- 63.071 *Eudonia lineola* (Curtis, 1827) +
- 63.072 *Eudonia delunella* (Stainton, 1849)
- 63.073 *Eudonia truncicolella* (Stainton, 1849)
- 63.074 *Eudonia mercurella* (Linnaeus, 1758)
- 63.075 *Eudonia pallida* (Curtis, 1827)
- 63.076 *Euchromius ocella* (Haworth, 1811) +
- 63.077 *Chilo phragmitella* (Hübner, [1810]) +
- 63.079 *Calamotropha paludella* (Hübner, [1824]) +
- 63.080 *Chrysoteuchia culmella* (Linnaeus, 1758)
- 63.081 *Crambus pascuella* (Linnaeus, 1758)
- 63.086 *Crambus lathoniellus* (Zincken, 1817) +
- 63.088 *Crambus perlella* (Scopoli, 1763)
- 63.089 *Agriphila tristella* ([Denis & Schiffermüller], 1775)
- 63.092 *Agriphila selasella* (Hübner, [1813])
- 63.093 *Agriphila straminella* ([Denis & Schiffermüller], 1775)
- 63.095 *Agriphila geniculea* (Haworth, 1811)
- 63.099 *Catoptria pinella* (Linnaeus, 1758) +
- 63.100 *Catoptria margaritella* ([Denis & Schiffermüller], 1775) +
- 63.110 *Pediasia aridella* (Thunberg, 1788) +
- 63.112 *Platytes alpinella* (Hübner, [1813]) +
- 63.114 *Elophila nymphaeata* (Linnaeus, 1758) Brown China-mark
- 63.115 *Acentria ephemerella* ([Denis & Schiffermüller], 1775) Water Veneer +
- 63.116 *Cataclysta lemnata* (Linnaeus, 1758) Small China-mark +
- 63.117 *Parapoynx stratiotata* (Linnaeus, 1758) Ringed China-mark +
- 63.118 *Nymphula nitidulata* (Hufnagel, 1767) Beautiful China-mark
- 63.122 *Donacaula mucronella* ([Denis & Schiffermüller], 1775) +

DREPANIDAE

- 65.003 *Watsonalla cultraria* (Fabricius, 1775) Barred Hook-tip +
- 65.005 *Drepana falcataria* (Linnaeus, 1758) Pebble Hook-tip +
- 65.007 *Cilix glaucata* (Scopoli, 1763) Chinese Character
- 65.008 *Thyatira batis* (Linnaeus, 1758) Peach Blossom
- 65.009 *Habrosyne pyritoides* (Hufnagel, 1766) Buff Arches

- 65.012 *Tetheella fluctuosa* (Hübner, [1803]) Satin Lutestring
65.013 *Ochropacha duplaris* (Linnaeus, 1761) Common Lutestring
65.016 *Achlya flavicornis* (Linnaeus, 1758) Yellow Horned +

LASIOCAMPIDAE

- 66.001 *Poecilocampa populi* (Linnaeus, 1758) December Moth
66.003 *Malacosoma neustria* (Linnaeus, 1758) Lacky
66.007 *Lasiocampa quercus* (Linnaeus, 1758) Oak Eggar
66.008 *Macrothylacia rubi* (Linnaeus, 1758) Fox Moth
66.010 *Euthrix potatoria* (Linnaeus, 1758) Drinker

SATURNIIDAE

- 68.001 *Saturnia pavonia* (Linnaeus, 1758) Emperor Moth

SPHINGIDAE

- 69.002 *Smerinthus ocellata* (Linnaeus, 1758) Eyed Hawk-moth
69.003 *Laothoe populi* (Linnaeus, 1758) Poplar Hawk-moth
69.004 *Agrius convolvuli* (Linnaeus, 1758) Convolvulus Hawk-moth
69.005 *Acherontia atropos* (Linnaeus, 1758) Death's-head Hawk-moth
69.008 *Hemaris tityus* (Linnaeus, 1758) Narrow-bordered Bee Hawk-moth
69.010 *Macroglossum stellatarum* (Linnaeus, 1758) Humming-bird Hawk-moth
69.015 *Hyles livornica* (Esper, [1804]) Striped Hawk-moth
69.016 *Deilephila elpenor* (Linnaeus, 1758) Elephant Hawk-moth
69.017 *Deilephila porcellus* (Linnaeus, 1758) Small Elephant Hawk-moth

GEOMETRIDAE

- 70.009 *Idaea subsericeata* (Haworth, 1809) Satin Wave
70.011 *Idaea dimidiata* (Hufnagel, 1767) Single-dotted Wave
70.013 *Idaea biselata* (Hufnagel, 1767) Small Fan-footed Wave
70.016 *Idaea aversata* (Linnaeus, 1758) Riband Wave
70.023 *Scopula marginepunctata* (Goeze, 1781) Mullein Wave
70.024 *Scopula imitaria* (Hübner, [1799]) Small Blood-vein
70.025 *Scopula immutata* (Linnaeus, 1758) Lesser Cream Wave
70.027 *Scopula floslactata* (Haworth, 1809) Cream Wave
70.028 *Scopula emutaria* (Hübner, [1809]) Rosy Wave +
70.029 *Timandra comae* Schmidt, 1931 Blood-vein
70.033 *Cyclophora puppillaria* (Hübner, [1799]) Blair's Mocha +
70.036 *Cyclophora punctaria* (Linnaeus, 1758) Maiden's Blush +
70.037 *Cyclophora linearia* (Hübner, [1799]) Clay Triple-lines +
70.038 *Rhodometra sacraria* (Linnaeus, 1767) Vestal +
70.040 *Scotopteryx mucronata* (Scopoli, 1763) Lead Belle

- 70.041 *Scotopteryx luridata* (Hufnagel, 1767) July Belle
- 70.045 *Scotopteryx chenopodiata* (Linnaeus, 1758) Shaded Broad-bar
- 70.046 *Orthonama vittata* (Borkhausen, 1794) Oblique Carpet
- 70.047 *Nycterosea obstipata* (Fabricius, 1794) Gem
- 70.049 *Xanthorhoe fluctuata* (Linnaeus, 1758) Garden Carpet
- 70.051 *Xanthorhoe spadicearia* ([Denis & Schiffermüller], 1775) Red Twin-spot Carpet +
- 70.052 *Xanthorhoe ferrugata* (Clerck, 1759) Dark-barred Twin-spot Carpet
- 70.053 *Xanthorhoe designata* (Hufnagel, 1767) Flame Carpet
- 70.054 *Xanthorhoe montanata* ([Denis & Schiffermüller], 1775) Silver-ground Carpet
- 70.059 *Camptogramma bilineata* (Linnaeus, 1758) Yellow Shell
- 70.060 *Epirrhoe tristata* (Linnaeus, 1758) Small Argent & Sable
- 70.061 *Epirrhoe alternata* (Müller, 1764) Common Carpet
- 70.063 *Epirrhoe galiata* ([Denis & Schiffermüller], 1775) Galium Carpet
- 70.064 *Euphyia biangulata* (Haworth, 1809) Cloaked Carpet
- 70.065 *Euphyia unangulata* (Haworth, 1809) Sharp-angled Carpet
- 70.066 *Earophila badiata* ([Denis & Schiffermüller], 1775) Shoulder Stripe
- 70.067 *Anticlea derivata* ([Denis & Schiffermüller], 1775) Streamer
- 70.068 *Mesoleuca albicillata* (Linnaeus, 1758) Beautiful Carpet
- 70.069 *Pelurga comitata* (Linnaeus, 1758) Dark Spinach +
- 70.074 *Hydriomena furcata* (Thunberg, 1784) July Highflyer
- 70.075 *Hydriomena impluviata* ([Denis & Schiffermüller], 1775) May Highflyer +
- 70.076 *Hydriomena ruberata* (Freyer, [1831]) Ruddy Highflyer
- 70.077 *Pennithera firmata* (Hübner, [1822]) Pine Carpet +
- 70.079 *Thera britannica* (Turner, 1925) Spruce Carpet
- 70.081 *Thera obeliscata* (Hübner, [1787]) Grey Pine Carpet
- 70.084 *Plemyria rubiginata* ([Denis & Schiffermüller], 1775) Blue-bordered Carpet
- 70.085 *Cidaria fulvata* (Forster, 1771) Barred Yellow
- 70.086 *Electrophaes corylata* (Thunberg, 1792) Broken-barred Carpet
- 70.087 *Cosmorhoe ocellata* (Linnaeus, 1758) Purple Bar
- 70.089 *Eulithis prunata* (Linnaeus, 1758) Pheonix +
- 70.090 *Eulithis testata* (Linnaeus, 1761) Chevron
- 70.091 *Eulithis populata* (Linnaeus, 1758) Northern Spinach
- 70.093 *Gandaritis pyraliata* ([Denis & Schiffermüller], 1775) Barred Straw
- 70.094 *Ecliptopera silaceata* ([Denis & Schiffermüller], 1775) Small Pheonix
- 70.095 *Chloroclysta siterata* (Hufnagel, 1767) Red-green Carpet
- 70.096 *Chloroclysta miata* (Linnaeus, 1758) Autumn Green Carpet +
- 70.097 *Dysstroma truncata* (Hufnagel, 1767) Common Marbled Carpet

- 70.098 *Dysstroma citrata* (Linnaeus, 1761) Dark Marbled Carpet
- 70.100 *Colostygia pectinataria* (Knoch, 1781) Green Carpet
- 70.101 *Colostygia multistrigaria* (Haworth, 1809) Mottled Grey
- 70.103 *Lampropteryx suffumata* ([Denis & Schiffermüller], 1775) Water Carpet
- 70.106 *Operophtera brumata* (Linnaeus, 1758) Winter Moth
- 70.107 *Epirrita dilutata* ([Denis & Schiffermüller], 1775) November Moth
- 70.108 *Epirrita christyi* (Allen, 1906) Pale November Moth +
- 70.109 *Epirrita autumnata* (Borkhausen, 1794) Autumnal Moth +
- 70.111 *Asthenes albulata* (Hufnagel, 1767) Small White Wave +
- 70.112 *Euchoeca nebulata* (Scopoli, 1763) Dingy Shell +
- 70.115 *Venusia cambrica* Curtis, 1839 Welsh Wave +
- 70.121 *Rheumaptera undulata* (Linnaeus, 1758) Scallop Shell
- 70.130 *Odezia atrata* (Linnaeus, 1758) Chimney Sweeper
- 70.131 *Mesotype didymata* (Linnaeus, 1758) Twin-spot Carpet
- 70.133 *Perizoma alchemillata* (Linnaeus, 1758) Small Rivulet
- 70.134 *Perizoma bifaciata* (Haworth, 1809) Barred Rivulet
- 70.137 *Perizoma albulata* ([Denis & Schiffermüller], 1775) Grass Rivulet
- 70.138 *Perizoma flavofasciata* (Thunberg, 1792) Sandy Carpet +
- 70.141 *Gymnoscelis rufifasciata* (Haworth, 1809) Double-striped Pug
- 70.142 *Chloroclystis v-ata* (Haworth, 1809) V-Pug
- 70.144 *Pasiphila rectangulata* (Linnaeus, 1758) Green Pug
- 70.145 *Pasiphila debiliata* (Hübner, [1817]) Bilberry Pug
- 70.146 *Eupithecia haworthiata* Doubleday, 1856 Haworth's Pug +
- 70.147 *Eupithecia tenuiata* (Hübner, [1813]) Slender Pug
- 70.149 *Eupithecia abietaria* (Goeze, 1781) Cloaked Pug +
- 70.151 *Eupithecia pulchellata* Stephens, 1831 Foxglove Pug +
- 70.155 *Eupithecia venosata* (Fabricius, 1787) Netted Pug
- 70.156 *Eupithecia abbreviata* Stephens, 1831 Brindled Pug
- 70.157 *Eupithecia dodoneata* Guenée, [1858] Oak-tree Pug +
- 70.160 *Eupithecia tripunctaria* Herrich-Schäffer, 1852 White-spotted Pug
- 70.161 *Eupithecia virgaureata* Doubleday, 1861 Golden-rod Pug +
- 70.162 *Eupithecia tantillaria* Boisduval, 1840 Dwarf Pug +
- 70.163 *Eupithecia lariciata* (Freyer, 1841) Larch Pug +
- 70.166 *Eupithecia simpliciatata* (Haworth, 1809) Plain Pug
- 70.168 *Eupithecia nanata* (Hübner, [1813]) Narrow-winged Pug
- 70.169 *Eupithecia innotata* (Hufnagel, 1767) Angle-barred Pug +
- 70.171 *Eupithecia indigata* (Hübner, [1813]) Ochreous Pug +

- 70.172 *Eupithecia distinctaria* Herrich-Schäffer, 1848 Thyme Pug +
 70.173 *Eupithecia centaureata* ([Denis & Schiffermüller], 1775) Lime-speck Pug
 70.177 *Eupithecia satyrata* (Hübner, [1813]) Satyr Pug +
 70.179 *Eupithecia absinthiata* (Clerck, 1759) Wormwood Pug
 70.182 *Eupithecia assimilata* Doubleday, 1856 Currant Pug +
 70.183 *Eupithecia vulgata* (Haworth, 1809) Common Pug
 70.184 *Eupithecia exigua* (Hübner, [1813]) Mottled Pug +
 70.189 *Eupithecia subumbrata* ([Denis & Schiffermüller], 1775) Shaded Pug
 70.190 *Eupithecia subfuscata* (Haworth, 1809) Grey Pug
 70.192 *Aplocera plagiata* (Linnaeus, 1758) Treble-bar
 70.198 *Lobophora halterata* (Hufnagel, 1767) Seraphim +
 70.200 *Acasis viretata* (Hübner, [1799]) Yellow-barred Brindle
 70.202 *Trichopteryx carpinata* (Borkhausen, 1794) Early Tooth-striped +
 70.205 *Abraxas grossulariata* (Linnaeus, 1758) Magpie
 70.206 *Abraxas sylvata* (Scopoli, 1763) Clouded Magpie +
 70.207 *Lomaspilis marginata* (Linnaeus, 1758) Clouded Border
 70.208 *Ligdia adustata* ([Denis & Schiffermüller], 1775) Scorched Carpet +
 70.212 *Macaria alternata* ([Denis & Schiffermüller], 1775) Sharp-angled Peacock +
 70.214 *Macaria liturata* (Clerck, 1759) Tawny-barred Angle
 70.218 *Chiasmia clathrata* (Linnaeus, 1758) Latticed Heath
 70.221 *Cepphis advenaria* (Hübner, 1790) Little Thorn +
 70.222 *Petrophora chlorosata* (Scopoli, 1763) Brown Silver-line
 70.223 *Plagodis pulveraria* (Linnaeus, 1758) Barred Umber +
 70.224 *Plagodis dolabraria* (Linnaeus, 1767) Scorched Wing
 70.226 *Opisthograptis luteolata* (Linnaeus, 1758) Brimstone Moth
 70.227 *Epione repandaria* (Hufnagel, 1767) Bordered Beauty
 70.229 *Pseudopanthera macularia* (Linnaeus, 1758) Speckled Yellow
 70.230 *Angerona prunaria* (Linnaeus, 1758) Orange Moth
 70.231 *Apeira syringaria* (Linnaeus, 1758) Lilac Beauty
 70.233 *Ennomos quercinaria* (Hufnagel, 1767) August Thorn
 70.234 *Ennomos alniaria* (Linnaeus, 1758) Canary-shouldered Thorn
 70.237 *Selenia dentaria* (Fabricius, 1775) Early Thorn
 70.240 *Odontopera bidentata* (Clerck, 1759) Scalloped Hazel
 70.241 *Crocallis elinguaris* (Linnaeus, 1758) Scalloped Oak
 70.243 *Ourapteryx sambucaria* (Linnaeus, 1758) Swallow-tailed Moth
 70.244 *Colotois pennaria* (Linnaeus, 1761) Feathered Thorn
 70.245 *Alsophila aescularia* ([Denis & Schiffermüller], 1775) March Moth

- 70.247 *Phigalia pilosaria* ([Denis & Schiffermüller], 1775) Pale Brindled Beauty +
 70.251 *Biston strataria* (Hufnagel, 1767) Oak Beauty +
 70.252 *Biston betularia* (Linnaeus, 1758) Peppered Moth
 70.253 *Agriopis leucophaearia* ([Denis & Schiffermüller], 1775) Spring Usher +
 70.254 *Agriopis aurantiaria* (Hübner, [1799]) Scarce Umber +
 70.255 *Agriopis marginaria* (Fabricius, [1777]) Dotted Border
 70.256 *Erannis defoliaria* (Clerck, 1759) Mottled Umber +
 70.258 *Peribatodes rhomboidaria* ([Denis & Schiffermüller], 1775) Willow Beauty
 70.262 *Selidosema brunnearia* (Villers, 1789) Bordered Grey +
 70.263 *Cleora cinctaria* ([Denis & Schiffermüller], 1775) Ringed Carpet +
 70.264 *Deileptenia ribeata* (Clerck, 1759) Satin Beauty
 70.265 *Alcis repandata* (Linnaeus, 1758) Mottled Beauty
 70.270 *Ectropis crepuscularia* ([Denis & Schiffermüller], 1775) Engrailed
 70.272 *Paradarisa consonaria* (Hübner, [1799]) Square Spot +
 70.274 *Aethalura punctulata* ([Denis & Schiffermüller], 1775) Grey Birch +
 70.275 *Ematurga atomaria* (Linnaeus, 1758) Common Heath
 70.276 *Bupalus piniaria* (Linnaeus, 1758) Bordered White
 70.277 *Cabera pusaria* (Linnaeus, 1758) Common White Wave
 70.278 *Cabera exanthemata* (Scopoli, 1763) Common Wave
 70.279 *Lomographa bimaculata* (Fabricius, 1775) White-pinion Spotted +
 70.280 *Lomographa temerata* ([Denis & Schiffermüller], 1775) Clouded Silver
 70.282 *Theria primaria* (Haworth, 1809) Early Moth +
 70.283 *Campaea margaritaria* (Linnaeus, 1761) Light Emerald
 70.284 *Hylaea fasciaria* (Linnaeus, 1758) Barred Red
 70.287 *Charissa obscurata* ([Denis & Schiffermüller], 1775) Annulet
 70.288 *Cleorodes lichenaria* (Hufnagel, 1767) Brussels Lace
 70.295 *Perconia strigillaria* (Hübner, [1787]) Grass Wave
 70.297 *Pseudoterpna pruinata* (Hufnagel, 1767) Grass Emerald
 70.299 *Geometra papilionaria* (Linnaeus, 1758) Large Emerald
 70.303 *Jodis lactearia* (Linnaeus, 1758) Little Emerald
 70.305 *Hemithea aestivaria* (Hübner, 1789) Common Emerald

NOTODONTIDAE

- 71.003 *Cerura vinula* (Linnaeus, 1758) Puss Moth +
 71.005 *Furcula furcula* (Clerck, 1759) Sallow Kitten +
 71.011 *Drymonia ruficornis* (Hufnagel, 1766) Lunar Marbled Brown +
 71.012 *Notodonta dromedarius* (Linnaeus, 1767) Iron Prominent
 71.013 *Notodonta ziczac* (Linnaeus, 1758) Pebble Prominent

- 71.017 *Pheosia tremula* (Clerck, 1759) Swallow Prominent +
- 71.018 *Pheosia gnoma* (Fabricius, [1777]) Lesser Swallow Prominent +
- 71.020 *Pterostoma palpina* (Clerck, 1759) Pale Prominent
- 71.021 *Ptilodon capucina* (Linnaeus, 1758) Coxcomb Prominent
- 71.023 *Odontosia carmelita* (Esper, [1798]) Scarce Prominent +
- 71.025 *Phalera bucephala* (Linnaeus, 1758) Buff-tip

EREBIDAE

- 72.001 *Scoliopteryx libatrix* (Linnaeus, 1758) Herald
- 72.002 *Rivula sericealis* (Scopoli, 1763) Straw Dot
- 72.003 *Hypena proboscidalis* (Linnaeus, 1758) Snout
- 72.006 *Hypena obsitalis* (Hübner, [1813]) Bloxworth Snout +
- 72.007 *Hypena crassalis* (Fabricius, 1787) Beautiful Snout
- 72.015 *Calliteara pudibunda* (Linnaeus, 1758) Pale Tussock
- 72.017 *Orgyia antiqua* (Linnaeus, 1758) Vapourer
- 72.019 *Spilosoma lutea* (Hufnagel, 1766) Buff Ermine
- 72.020 *Spilosoma lubricipeda* (Linnaeus, 1758) White Ermine
- 72.022 *Diaphora mendica* (Clerck, 1759) Muslin Moth
- 72.023 *Diacrisia sannio* (Linnaeus, 1758) Clouded Buff
- 72.024 *Phragmatobia fuliginosa* (Linnaeus, 1758) Ruby Tiger
- 72.026 *Arctia caja* (Linnaeus, 1758) Garden Tiger
- 72.031 *Tyria jacobaeae* (Linnaeus, 1758) Cinnabar
- 72.034 *Utetheisa pulchella* (Linnaeus, 1758) Crimson Speckled
- 72.035 *Miltochrista miniata* (Forster, 1771) Rosy Footman
- 72.036 *Nudaria mundana* (Linnaeus, 1761) Muslin Footman
- 72.037 *Thumatha senex* (Hübner, [1808]) Round-winged Muslin
- 72.041 *Lithosia quadra* (Linnaeus, 1758) Four-spotted Footman
- 72.042 *Atolmis rubricollis* (Linnaeus, 1758) Red-necked Footman
- 72.043 *Eilema depressa* (Esper, 1787) Buff Footman +
- 72.044 *Eilema griseola* (Hübner, [1803]) Dingy Footman +
- 72.045 *Eilema lurideola* (Zincken, 1817) Common Footman
- 72.046 *Eilema complana* (Linnaeus, 1758) Scarce Footman
- 72.047 *Eilema caniola* (Hübner, [1808]) Hoary Footman
- 72.049 *Eilema sororcula* (Hufnagel, 1766) Orange Footman +
- 72.053 *Herminia tarsipennalis* Treitschke, 1835 Fan-foot
- 72.055 *Herminia grisealis* ([Denis & Schiffermüller], 1775) Small Fan-foot
- 72.060 *Hypenodes humidalis* Doubleday, 1850 Marsh Oblique-barred +
- 72.061 *Schrankia costaestrigalis* (Stephens, 1834) Pinion-streaked Snout

72.067 *Phytometra viridaria* (Clerck, 1759) Small Purple-barred

72.073 *Eublemma parva* (Hübner, [1808]) Small Marbled +

72.076 *Catocala fraxini* (Linnaeus, 1758) Clifden Nonpareil +

72.078 *Catocala nupta* (Linnaeus, 1767) Red Underwing +

72.083 *Euclidia glyphica* (Linnaeus, 1758) Burnet Companion +

72.084 *Callistege mi* (Clerck, 1759) Mother Shipton

NOCTUIDAE

73.001 *Abrostola tripartita* (Hufnagel, 1766) Spectacle

73.002 *Abrostola triplasia* (Linnaeus, 1758) Dark Spectacle

73.003 *Trichoplusia ni* (Hübner, [1803]) Ni Moth +

73.004 *Thysanoplusia orichalcea* (Fabricius, 1775) Slender Burnished Brass +

73.0041 *Thysanoplusia daubei* (Boisduval, 1840) Boathouse Gem +

73.008 *Chrysodeixis chalcites* (Esper, [1803]) Golden Twin-spot +

73.009 *Chrysodeixis acuta* (Walker, 1857) Tunbridge Wells Gem +

73.012 *Diachrysia chrysis* (Linnaeus, 1758) Burnished Brass

73.015 *Autographa gamma* (Linnaeus, 1758) Silver Y

73.016 *Autographa pulchrina* (Haworth, 1809) Beautiful Golden Y

73.017 *Autographa jota* (Linnaeus, 1758) Plain Golden Y

73.018 *Autographa bractea* ([Denis & Schiffermüller], 1775) Gold Spangle

73.021 *Syngrapha interrogationis* (Linnaeus, 1758) Scarce Silver Y

73.022 *Plusia festucae* (Linnaeus, 1758) Gold Spot

73.024 *Protodeltote pygarga* (Hufnagel, 1766) Marbled White Spot

73.032 *Colocasia coryli* (Linnaeus, 1758) Nut-tree Tussock

73.036 *Acronicta alni* (Linnaeus, 1767) Alder Moth +

73.038 *Acronicta psi* (Linnaeus, 1758) Grey Dagger

73.040 *Acronicta leporina* (Linnaeus, 1758) Miller

73.045 *Acronicta rumicis* (Linnaeus, 1758) Knot Grass

73.046 *Acronicta megacephala* ([Denis & Schiffermüller], 1775) Poplar Grey

73.047 *Craniophora ligustri* ([Denis & Schiffermüller], 1775) Coronet +

73.052 *Cucullia umbratica* (Linnaeus, 1758) Shark

73.0527 *Cucullia calendulae* Treitschke, 1835 Marigold Shark +

73.053 *Cucullia chamomillae* ([Denis & Schiffermüller], 1775) Chamomile Shark

73.061 *Stilbia anomala* (Haworth, 1812) Anomalous

73.062 *Amphipyra pyramidea* (Linnaeus, 1758) Copper Underwing

73.064 *Amphipyra tragopoginis* (Clerck, 1759) Mouse Moth

73.065 *Asteroscopus sphinx* (Hufnagel, 1766) Sprawler

73.068 *Allophyes oxyacanthae* (Linnaeus, 1758) Green-brindled Crescent

- 73.069 *Xylocampa areola* (Esper, 1789) Early Grey
- 73.070 *Pyrrhia umbra* (Hufnagel, 1766) Bordered Sallow
- 73.074 *Heliothis peltigera* ([Denis & Schiffermüller], 1775) Bordered Straw +
- 73.076 *Helicoverpa armigera* (Hübner, [1808]) Scarce Bordered Straw +
- 73.085 *Bryopsis muralis* (Forster, 1771) Marbled Green
- 73.087 *Spodoptera exigua* (Hübner, [1808]) Small Mottled Willow
- 73.088 *Spodoptera ciliium* Guenée, 1852 Dark Mottled Willow +
- 73.092 *Caradrina morpheus* (Hufnagel, 1766) Mottled Rustic +
- 73.095 *Caradrina clavipalpis* (Scopoli, 1763) Pale Mottled Willow +
- 73.096 *Hoplodrina octogenaria* (Goeze, 1781) Uncertain
- 73.097 *Hoplodrina blanda* ([Denis & Schiffermüller], 1775) Rustic
- 73.099 *Hoplodrina ambigua* ([Denis & Schiffermüller], 1775) Vine's Rustic +
- 73.100 *Chilodes maritima* (Tauscher, 1806) Silky Wainscot +
- 73.101 *Charanyca trigrammica* (Hufnagel, 1766) Treble Lines +
- 73.102 *Rusina ferruginea* (Esper, 1785) Brown Rustic
- 73.107 *Mormo maura* (Linnaeus, 1758) Old Lady +
- 73.109 *Thalpophila matura* (Hufnagel, 1766) Straw Underwing
- 73.113 *Phlogophora meticulosa* (Linnaeus, 1758) Angle Shades
- 73.114 *Euplexia lucipara* (Linnaeus, 1758) Small Angle Shades
- 73.118 *Celaena haworthii* (Curtis, 1829) Haworth's Minor
- 73.119 *Helotropha leucostigma* (Hübner, [1808]) Crescent
- 73.121 *Gortyna flavago* ([Denis & Schiffermüller], 1775) Frosted Orange
- 73.123 *Hydraecia micacea* (Esper, 1789) Rosy Rustic
- 73.126 *Amphipoea fucosa* (Freyer, 1830) Saltern Ear +
- 73.127 *Amphipoea lucens* (Freyer, 1845) Large Ear
- 73.128 *Amphipoea oculea* (Linnaeus, 1761) Ear Moth
- 73.129 *Amphipoea crinanensis* (Burrows, 1908) Crinan Ear +
- 73.131 *Luperina testacea* ([Denis & Schiffermüller], 1775) Flounced Rustic
- 73.134 *Rhizedra lutosa* (Hübner, [1803]) Large Wainscot
- 73.136 *Nonagria typhae* (Thunberg, 1784) Bulrush Wainscot +
- 73.139 *Lenisa geminipuncta* (Haworth, 1809) Twin-spotted Wainscot +
- 73.141 *Archana dissoluta* (Treitschke, 1825) Brown-veined Wainscot +
- 73.142 *Coenobia rufa* (Haworth, 1809) Small Rufous
- 73.144 *Denticucullus pygmina* (Haworth, 1809) Small Wainscot
- 73.147 *Photedes minima* (Haworth, 1809) Small Dotted Buff
- 73.154 *Apamea remissa* (Hübner, [1809]) Dusky Brocade
- 73.155 *Apamea epomidion* (Haworth, 1809) Clouded Brindle

- 73.156 *Apamea crenata* (Hufnagel, 1766) Clouded-bordered Brindle
 73.158 *Apamea sordens* (Hufnagel, 1766) Rustic Shoulder-knot +
 73.159 *Apamea unanimitis* (Hübner, [1813]) Small Clouded Brindle +
 73.162 *Apamea monoglypha* (Hufnagel, 1766) Dark Arches
 73.163 *Apamea lithoxyla* ([Denis & Schiffermüller], 1775) Light Arches
 73.165 *Apamea furva* ([Denis & Schiffermüller], 1775) Confused
 73.168 *Laterologia ophiogramma* (Esper, 1794) Double Lobed
 73.169 *Mesapamea secalis* (Linnaeus, 1758) Common Rustic
 73.170 *Mesapamea didyma* (Esper, 1788) Lesser Common Rustic +
 73.171 *Litologia literosa* (Haworth, 1809) Rosy Minor
 73.172 *Mesologia furuncula* ([Denis & Schiffermüller], 1775) Cloaked Minor
 73.174 *Oligia latruncula* ([Denis & Schiffermüller], 1775) Tawny Marbled Minor
 73.175 *Oligia versicolor* (Borkhausen, 1792) Rufous Minor
 73.176 *Oligia fasciuncula* (Haworth, 1809) Middle-barred Minor
 73.179 *Tiliacea citrigo* (Linnaeus, 1758) Orange Sallow +
 73.181 *Xanthia togata* (Esper, 1788) Pink-barred Sallow
 73.182 *Cirrhia icteritia* (Hufnagel, 1766) Sallow
 73.186 *Agrochola lychnidis* ([Denis & Schiffermüller], 1775) Beaded Chestnut +
 73.188 *Anchoscelis helvola* (Linnaeus, 1758) Flounced Chestnut
 73.189 *Leptologia lota* (Clerck, 1759) Red-line Quaker
 73.190 *Leptologia macilenta* (Hübner, [1809]) Yellow-line Quaker +
 73.192 *Sunira circellaris* (Hufnagel, 1766) Brick +
 73.193 *Anchoscelis lunosa* (Haworth, 1809) Lunar Underwing
 73.194 *Conistra vaccinii* (Linnaeus, 1761) Chestnut
 73.195 *Conistra ligula* (Esper, 1791) Dark Chestnut +
 73.200 *Lithophane semibrunnea* (Haworth, 1809) Tawny Pinion +
 73.201 *Lithophane socia* (Hufnagel, 1766) Pale Pinion
 73.202 *Lithophane ornitopus* (Hufnagel, 1766) Grey Shoulder-knot
 73.206 *Lithophane leautieri* (Boisduval, 1829) Blair's Shoulder-knot +
 73.208 *Xylena exsoleta* (Linnaeus, 1758) Sword Grass ^{*RE}
 73.209 *Xylena vetusta* (Hübner, [1813]) Red Sword-grass
 73.210 *Eupsilia transversa* (Hufnagel, 1766) Satellite
 73.216 *Cosmia trapezina* (Linnaeus, 1758) Dun-bar
 73.219 *Atethmia centrago* (Haworth, 1809) Centre-barred Sallow +
 73.222 *Fissipunctia ypsilon* ([Denis & Schiffermüller], 1775) Dingy Shears +
 73.224 *Gripesia aprilina* (Linnaeus, 1758) Merveille du Jour +
 73.225 *Dryobotodes eremita* (Fabricius, 1775) Brindled Green +

- 73.228 *Antitype chi* (Linnaeus, 1758) Grey Chi
 73.230 *Aporophyla australis* (Boisduval, 1829) Feathered Brindle
 73.233 *Aporophyla nigra* (Haworth, 1809) Black Rustic
 73.234 *Dasypolia templi* (Thunberg, 1792) Brindled Ochre +
 73.235 *Polymixis lichenea* (Hübner, [1813]) Feathered Ranunculus +
 73.238 *Mniotype adusta* (Esper, 1790) Dark Brocade
 73.241 *Panolis flammea* ([Denis & Schiffermüller], 1775) Pine Beauty
 73.242 *Orthosia incerta* (Hufnagel, 1766) Clouded Drab +
 73.244 *Orthosia cerasi* (Fabricius, 1775) Common Quaker
 73.245 *Orthosia cruda* ([Denis & Schiffermüller], 1775) Small Quaker
 73.247 *Orthosia gracilis* ([Denis & Schiffermüller], 1775) Powdered Quaker
 73.249 *Orthosia gothica* (Linnaeus, 1758) Hebrew Character
 73.250 *Anorthoa munda* ([Denis & Schiffermüller], 1775) Twin-spotted Quaker
 73.252 *Tholera cespitis* ([Denis & Schiffermüller], 1775) Hedge Rustic
 73.253 *Tholera decimalis* (Poda, 1761) Feathered Gothic
 73.254 *Cerapteryx graminis* (Linnaeus, 1758) Antler Moth
 73.255 *Anarta trifolii* (Hufnagel, 1766) Nutmeg +
 73.257 *Anarta myrtilli* (Linnaeus, 1761) Beautiful Yellow Underwing
 73.259 *Polia bombycina* (Hufnagel, 1766) Pale Shining Brown ^{*RE}
 73.261 *Polia nebulosa* (Hufnagel, 1766) Grey Arches
 73.264 *Lacanobia thalassina* (Hufnagel, 1766) Pale-shouldered Brocade
 73.266 *Lacanobia suasa* ([Denis & Schiffermüller], 1775) Dog's Tooth
 73.267 *Lacanobia oleracea* (Linnaeus, 1758) Bright-line Brown-eye
 73.268 *Lacanobia splendens* (Hübner, [1808]) Splendid Brocade +
 73.270 *Melanchra persicariae* (Linnaeus, 1761) Dot Moth
 73.271 *Ceramica pisi* (Linnaeus, 1758) Broom Moth
 73.272 *Papestra biren* (Goeze, 1781) Glaucous Shears +
 73.273 *Hada plebeja* (Linnaeus, 1761) Shears
 73.274 *Mamestra brassicae* (Linnaeus, 1758) Cabbage Moth
 73.276 *Sideridis rivularis* (Fabricius, 1775) Champion
 73.277 *Sideridis reticulata* (Goeze, 1781) Bordered Gothic
 73.278 *Conisania andalusica* (Staudinger, 1859) Barrett's Marbled Coronet
 73.279 *Hecatera bicolorata* (Hufnagel, 1766) Broad-barred White
 73.281 *Hadena bicruris* (Hufnagel, 1766) Lychnis
 73.285 *Hadena caesia* ([Denis & Schiffermüller], 1775) Grey
 73.286 *Hadena perplexa* ([Denis & Schiffermüller], 1775) Tawny Shears/Pod Lover
 73.288 *Mythimna turca* (Linnaeus, 1761) Double Line +

- 73.290 *Mythimna conigera* ([Denis & Schiffermüller], 1775) Brown-line Bright-eye +
 73.291 *Mythimna pallens* (Linnaeus, 1758) Common Wainscot
 73.293 *Mythimna impura* (Hübner, [1808]) Smoky Wainscot
 73.294 *Mythimna straminea* (Treitschke, 1825) Southern Wainscot +
 73.295 *Mythimna vitellina* (Hübner, [1808]) Delicate +
 73.296 *Mythimna unipuncta* (Haworth, 1809) White-speck
 73.297 *Mythimna albipuncta* ([Denis & Schiffermüller], 1775) White-point +
 73.298 *Mythimna ferrago* (Fabricius, 1787) Clay
 73.299 *Mythimna litoralis* (Curtis, 1827) Shore Wainscot
 73.300 *Mythimna l-album* (Linnaeus, 1767) L-album Wainscot +
 73.301 *Leucania comma* (Linnaeus, 1761) Shoulder-striped Wainscot +
 73.304 *Leucania loreyi* (Duponchel, 1827) Cosmopolitan +
 73.307 *Peridroma saucia* (Hübner, [1808]) Pearly Underwing
 73.308 *Actebia praecox* (Linnaeus, 1758) Portland Moth
 73.312 *Euxoa obelisca* ([Denis & Schiffermüller], 1775) Square-spot Dart +
 73.313 *Euxoa tritici* (Linnaeus, 1761) White-line Dart
 73.314 *Euxoa nigricans* (Linnaeus, 1761) Garden Dart
 73.317 *Agrotis exclamationis* (Linnaeus, 1758) Heart & Dart
 73.319 *Agrotis segetum* ([Denis & Schiffermüller], 1775) Turnip Moth +
 73.322 *Agrotis vestigialis* (Hufnagel, 1766) Archer's Dart +
 73.323 *Agrotis ripae* (Hübner, [1823]) Sand Dart
 73.324 *Agrotis trux* (Hübner, [1824]) Crescent Dart
 73.327 *Agrotis ipsilon* (Hufnagel, 1766) Dark Sword-grass
 73.328 *Axylia putris* (Linnaeus, 1761) Flame
 73.329 *Ochropleura plecta* (Linnaeus, 1761) Flame Shoulder
 73.330 *Ochropleura leucogaster* (Freyer, [1831]) Radford's Flame Shoulder +
 73.332 *Diarsia brunnea* ([Denis & Schiffermüller], 1775) Purple Clay
 73.333 *Diarsia mendica* (Fabricius, 1775) Ingrailed Clay
 73.334 *Diarsia rubi* (Vieweg, 1790) Small Square-spot
 73.336 *Cerastis rubricosa* ([Denis & Schiffermüller], 1775) Red Chestnut
 73.338 *Lycophotia porphyrea* ([Denis & Schiffermüller], 1775) True Lover's Knot
 73.341 *Standfussiana lucerneae* (Linnaeus, 1758) Northern Rustic
 73.342 *Noctua pronuba* (Linnaeus, 1758) Large Yellow Underwing
 73.343 *Noctua fimbriata* (Schreber, 1759) Broad-bordered Yellow Underwing +
 73.345 *Noctua comes* Hübner, [1813] Lesser Yellow Underwing
 73.346 *Noctua interjecta* Hübner, [1803] Least Yellow Underwing
 73.348 *Noctua janthe* (Borkhausen, 1792) Lesser Broad-bordered Yellow Underwing

- 73.351 *Graphiphora augur* (Fabricius, 1775) Double Dart
73.352 *Anaplectoides prasina* ([Denis & Schiffermüller], 1775) Green Arches
73.353 *Xestia baja* ([Denis & Schiffermüller], 1775) Dotted Clay +
73.356 *Xestia agathina* (Duponchel, 1827) Heath Rustic
73.357 *Xestia xanthographa* ([Denis & Schiffermüller], 1775) Square-spot Rustic
73.358 *Xestia sexstrigata* (Haworth, 1809) Six-striped Rustic
73.359 *Xestia c-nigrum* (Linnaeus, 1758) Setaceous Hebrew Character
73.361 *Xestia triangulum* (Hufnagel, 1766) Double Square-spot
73.365 *Eugnorisma glareosa* (Esper, 1788) Autumnal Rustic +
73.368 *Naenia typica* (Linnaeus, 1758) Gothic

NOLIDAE

- 74.004 *Nola confusalis* (Herrich-Schäffer, 1847) Least Black Arches
74.008 *Pseudoips prasinana* (Linnaeus, 1758) Green Silver-lines
74.009 *Nycteola revayana* (Scopoli, 1772) Oak Nycteoline +

APPENDIX

Species removed from the Waterford list

Note. H6 = WD (Waterford) and H7 = ST (South Tipperary)

NEPTICULIDAE

- 4.045 *Stigmella fragariella* (Heyden, 1862) **

This is now recognised as a junior synonym of *Stigmella aurella* (Fabricius, 1775).

- 4.047 *Stigmella splendidissimella* (Herrich-Schäffer, 1855)

This was recorded in the larval stage as a leaf-miner on bramble (*Rubus fruticosus* agg.) which *Stigmella aurella* also mines and as the latter makes a similar mine to *S. splendidissimella* they cannot be reliably separated.

TINEIDAE

- 12.025 *Trichophaga tapetzella* (Linnaeus, 1758) Tapestry Moth

Recorded from hectad S22, exact locality unknown. Erroneously mapped by BCUK Micro-Moth Distribution Maps for WD. ST *per* Beirne (1941).

BUCCULATRICEIDAE

- 14.007 *Bucculatrix albedinella* (Zeller, 1839)

Erroneously mapped by BCUK Micro-Moth Distribution Maps for WD and NBDC from S22 Clonmel general area, exact locality unknown.

GRACILLARIIDAE

- 15.034 *Phyllonorycter harrisella* (Linnaeus, 1761)

Erroneously mapped by BCUK Micro-Moth Distribution Maps. The accompanying script “H2, 7 Beirne” would seem to indicate the record was mistakenly attributed to WD instead of

ST.

YPSOLOPHIDAE

17.011 *Ypsolopha ustella* (Clerck, 1759).

Mapped by BCUK Micro-Moth Distribution Maps for WD, but exact locality unknown.

OECOPHORIDAE

28.009 *Endrosis fenestrella* (Scopoli, 1763)

This is one of many junior synonyms for *Endrosis sarcitrella* White-shouldered House-moth. O'Meara erroneously suggests the former is "Now possibly *Monopis fenestrella*, Heyd." he probably meant 12.042 *Monopis fenestratella* (Heyden, 1863), a separate species belonging in the Tineidae family and not on the Irish list.

DEPRESSARIIDAE

32.025 *Agonopterix nanatella* (Stainton, 1849)

Misidentified and not on the Irish checklist.

32.026 *Agonopterix kaekeritziana* (Linnaeus, 1767)

Erroneously mapped by BCUK Micro-Moth Distribution Maps for WD. ST *per* Beirne (1941).

32.038 *Depressaria badiella* (Hübner, 1796)

Erroneously mapped by BCUK Micro-Moth Distribution Maps for WD. ST *per* Beirne (1941).

GELECHIIDAE

35.057 *Metzneria littorella* (Douglas, 1850)

Misidentified and not on the Irish checklist.

ELACHISTIDAE

38.018 *Elachista bisulcella* (Duponchel, [1843])

Recorded from hectad S22, exact locality unknown. Mapped by BCUK Micro-Moth Distribution Maps for ST. ST *per* Beirne (1941).

38.022 *Elachista gleichenella* (Fabricius, 1781)

Mapped by BCUK Micro-Moth Distribution Maps for WD, but no details about the record are known.

TORTRICIDAE

49.018 *Choristoneura hebenstreitella* (Müller, 1764)

Recorded from hectad S22, exact locality unknown. Mapped by BCUK Micro-Moth Distribution Maps for ST. ST *per* Beirne (1941).

49.020 *Argyrotaenia ljugiana* (Thunberg, 1797)

Recorded from hectad S22, exact locality unknown. Mapped by BCUK Micro-Moth Distribution Maps for ST. ST *per* Beirne (1941).

49.065 *Acleris comariana* (Lienig & Zeller, 1846) Strawberry Tortrix

Recorded from hectad S22, exact locality unknown. ST *per* Beirne (1941).

49.068 *Acleris maccana* (Treitschke, 1835)

Misidentified and not on the Irish checklist.

49.073 *Acleris schalleriana* (Linnaeus, 1761)

Recorded from hectad S22, exact locality unknown.

49.090 *Eulia ministrana* (Linnaeus, 1758)

Recorded from hectad S22, exact locality unknown.

49.148 *Apotomis lineana* (Denis & Schiffermüller], 1775)

Misidentified and not on the Irish checklist.

49.149 *Apotomis turbidana* Hübner, [1825]

Recorded from hectad S22, exact locality unknown.

49.184 *Lobesia reliquana* (Hübner, [1825])

Recorded from hectad S22, exact locality unknown. Mapped by BCUK Micro-Moth Distribution Maps for ST. ST *per* Beirne (1941).

49.189 *Endothenia pullana* (Haworth, 1811)

Misidentified and not on the Irish checklist.

49.202 *Ancylis uncella* ([Denis & Schiffermüller], 1775)

Recorded from hectad S22, exact locality unknown.

49.211 *Ancylis myrtillana* (Treitschke, 1830)

Recorded from hectad S22, exact locality unknown.

49.216 *Ancylis mitterbacheriana* ([Denis & Schiffermüller], 1775)

Recorded from hectad S22, exact locality unknown.

49.221 *Rhopobota stagnana* ([Denis & Schiffermüller], 1775)

Recorded from hectad S22, exact locality unknown.

49.245 *Epinotia tetraquetra* (Haworth, 1811)

Recorded from hectad S22, exact locality unknown.

49.251 *Epinotia rubiginosana* (Herrich-Schäffer, 1851)

Recorded from hectad S22, exact locality unknown. O'Meara (2001) also listed the former as *Epinotia "rubigosana"*. Having misspelt the specific name, perhaps he thought it to be a separate species.

49.290 *Epiblema turbidana* (Treitschke, 1835)

Recorded from hectad S22, exact locality unknown. Mapped by BCUK Micro-Moth Distribution Maps for ST. ST *per* Beirne (1941).

PIERIDAE

58.001 *Leptidea sinapis* (Linnaeus, 1758) Wood White

This butterfly is only found in Counties Clare and Galway.

58.011 ***Colias hyale*** (Linnaeus, 1758) Pale Clouded Yellow

This species is easily confused with the Clouded Yellow f. *helice* (Hübner, 1799). There are no confirmed records and it is not on the Irish checklist. (see Bond *et al.*, 2006).

PYRALIDAE

62.002 ***Melissoblaptus zelleri***, (Joannis, 1932)

Now *Aphomia zelleri* (Joannis, 1932) misidentified and not on the Irish checklist.

62.038 ***Acrobasis consociella*** (Hübner, [1813])

Recorded from hectad S22, exact locality unknown.

62.074 ***Aglossa pinguinalis*** (Linnaeus, 1758) Large Tabby

Recorded from hectad S22, exact locality unknown. Mapped by BCUK Micro-Moth Distribution Maps for ST. ST *per* Beirne (1941).

CRAMBIDAE

63.085 ***Crambus pratella*** (Linnaeus, 1758)

Misidentified and not on the Irish checklist.

DREPANIDAE

65.001 ***Falcaria lacertinaria*** (Linnaeus, 1758) Scalloped Hook-tip

Recorded from hectad S22, exact locality unknown.

GEOMETRIDAE

70.018 ***Idaea straminata*** (Borkhausen, 1794) Plain Wave

A scarce species in Ireland and possibly misidentified for the similar Riband Wave f. *remutata* (Linnaeus, 1758), confirmation would be desirable.

70.026 ***Scopula ternata*** Schrank, 1802 Smoky Wave

An extremely rare moth in Ireland and likely to have been misidentified.

70.092 ***Eulithis mellinata*** (Fabricius, 1787) Spinach

Doubtfully ever resident and only known as a suspected adventive.

70.124 ***Pareulype berberata*** ([Denis and Schiffermüller], 1775) Barberry Carpet ^{*RE}

S22 Clonmel general area.

70.154 ***Eupithecia pygmaeata*** (Hübner, [1799]) Marsh Pug

Recorded from hectad S22, exact locality unknown.

70.165 ***Eupithecia pimpinellata*** (Hübner, [1813]) Pimpinel Pug

Recorded from hectad S22 and Waterford City by O'Meara (2001), confirmation would be desirable.

70.185 ***Eupithecia denotata*** (Hübner, [1813]) Campanula Pug

Recorded from Waterford City by O'Meara (2001), confirmation would be desirable.

70.215 ***Macaria wauaria*** (Linnaeus, 1758) V-Moth ^{*RE}

S22 Clonmel general area.

70.236 *Ennomos erosaria* ([Denis & Schiffermüller], 1775) September Thorn ^{*RE}

A record by E. J. Pilcher from Clonmel and others by Michael O'Meara from Waterford City are erroneous. There are old records from Counties Dublin and Kildare.

70.293 *Aspitates gilvaria* ([Denis & Schiffermüller], 1775) Straw Belle

This moth is only known from Counties Clare, Galway and Mayo.

NOTODONTIDAE

71.028 *Clostera pigra* (Hufnagel, 1766) Small Chocolate-tip

Murray 'reared' 11 specimens, however, it is not known where the larvae or eggs were taken. Therefore, confirmation would be desirable.

NOCTUIDAE

73.026 *Deltote uncula* (Clerck, 1759) Silver Hook

Recorded from hectad S22, exact locality unknown.

73.084 *Bryophila domestica* (Hufnagel, 1766) Marbled Beauty

Recorded from hectad S22, exact locality unknown.

73.161 *Apamea oblonga* (Haworth, 1809) Crescent Striped

Baynes (1964) mentions Birchall (1866-1867) recorded this as "Abundant on the coast near Waterford", going on to express an element of doubt about the record, that doubt remains.

73.173 *Oligia strigilis* (Linnaeus, 1758) Marbled Minor

Recorded by O'Meara (2001). One of a complex of three species (Marbled Minor, Rufous Minor and Tawny Marbled Minor), which can only be reliably separated by dissection, therefore, confirmation would be desirable.

73.243 *Orthosia miniosa* ([Denis & Schiffermüller], 1775) Blossom Underwing ^{*RE}

S22 Clonmel general area. The last Irish record was from Co. Wicklow in 1961.

73.283 *Hadena confusa* (Hufnagel, 1766) Marbled Coronet

Possibly resident, but awaiting confirmation.

73.320 *Agrotis clavis* (Hufnagel, 1766) Heart & Club

Records from Kilmacthomas and Waterford City by O'Meara (2001) are doubtful, therefore, confirmation would be desirable.

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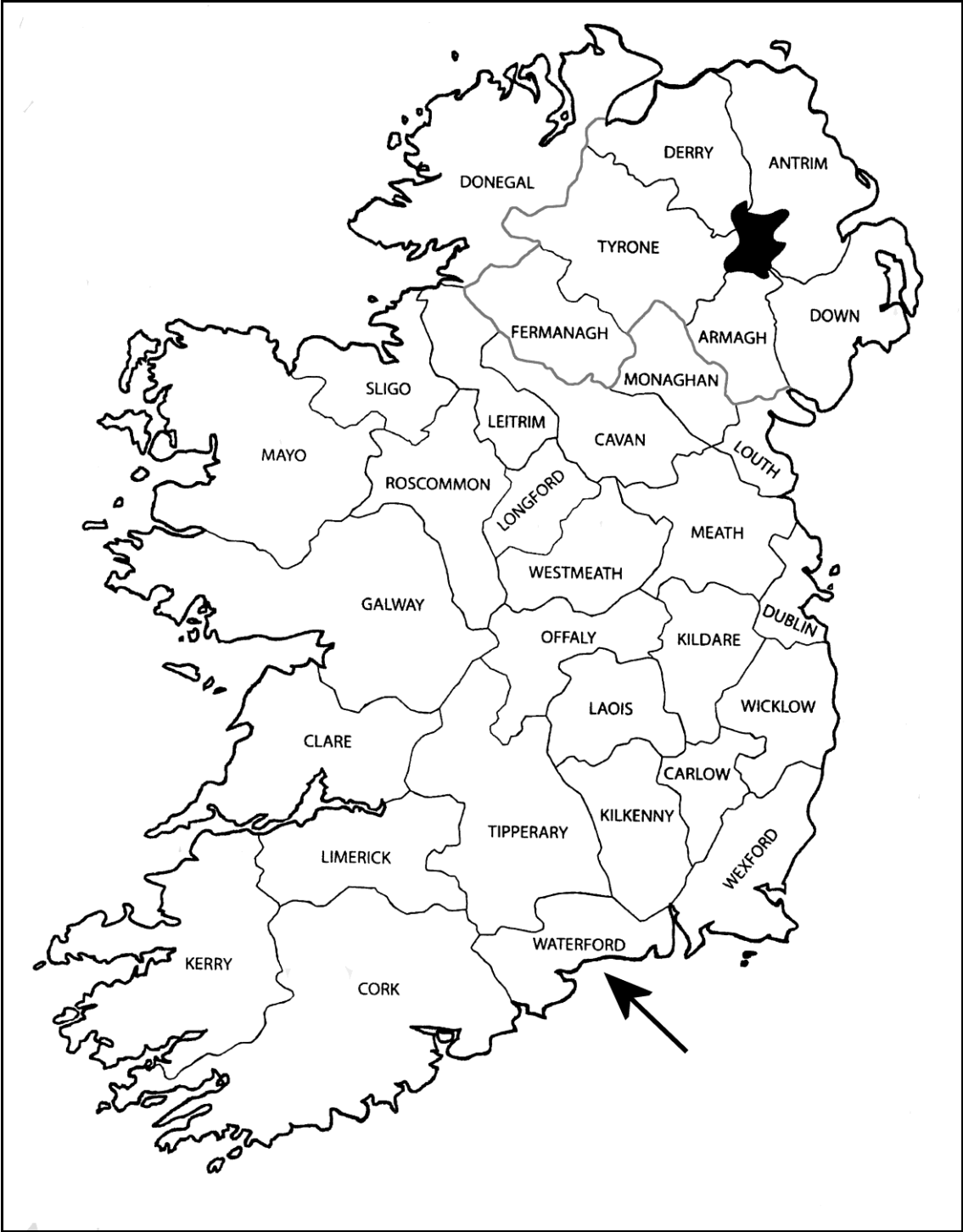


FIGURE 1. The counties of Ireland. The location of County Waterford is indicated by an arrow.