

Lancashire Moth Group

Guidelines for Recorders Submitting Moth Records (VC59&60)

The following checklist shows the level of verification required for each species of macro moth in Lancashire and gives an indication which records are likely to be queried. The letter following each moth is explained below:

- A – Common or widespread species in VC59&60, identifiable by most experienced recorders and as a consequence generally require no further evidence as confirmation. However, records may still be queried if for instance, they fall outside the species normal habitat or flight period.

- D - Moths which can only be positively identified to species via examination of the genitalia, and as a consequence records of these species can only be accepted if a dissection has been undertaken. Recorders are asked to list these moths as aggregates (agg.) when it is not necessary to undertake a dissection e.g. the species has already been confirmed for a site, or a year, via an earlier dissection, or if the recorder is unwilling for a dissection to be undertaken. Both County Recorders are happy to undertake dissections for any recorder who is submitting records to the Lancashire Moth Group.

- P – Species of a more local distribution within VC59&60, or where identification may be difficult due to confusion species. **A photograph is required** as confirmation of the record for new sites, or by a new observer at a previously recorded site. Recorders are asked to submit photographs of a reasonable quality that show as many of the identification features as possible, and are also encouraged to forward a series of photos that show dorsal and lateral (from above and from the side) aspects where possible. A specimen can be submitted instead of a photograph if preferred.

- S - Moths that **require a specimen** as confirmation of the record for new sites, or by a new observer at a previously recorded site. This includes species that can be difficult to identify from a photograph, or via dissection of the genitalia.

Macro Moth Checklist

14	Ghost Moth	A	1667	Blotched Emerald	P
15	Orange Swift	A	1669	Common Emerald	A
16	Gold Swift	A	1674	Little Emerald	P
17	Common Swift	A	1681	Clay Triple-lines	P
18	Map-winged Swift	A	1682	Blood-vein	A
161	Leopard Moth	P	1689	Mullein Wave	P
162	Goat Moth	P	1690	Small Blood-vein	P
163	Forester	P	1692	Lesser Cream Wave	P
164	Cistus Forester	P	1693	Cream Wave	P
169	Six-spot Burnet	A	1694	Smoky Wave	P
171	Narrow-bordered Five-spot Burnet	A	1698	Purple-bordered Gold	P
371	Lunar Hornet Moth	P	1699	Least Carpet	P
373	Currant Clearwing	P	1702	Small Fan-footed Wave	A
375	White-barred Clearwing	P	1705	Dwarf Cream Wave	P
380	Red-tipped Clearwing	P	1707	Small Dusty Wave	A
381	Large Red-belted Clearwing	P	1708	Single-dotted Wave	A
1631	December Moth	A	1709	Satin Wave	S
1632	Pale Eggar	P	1712	Small Scallop	P
1633	Small Eggar	P	1713	Riband Wave	A
1636	Grass Eggar	P	1715	Plain Wave	P
1637	Oak Eggar	A	1716	Vestal	P
1638	Fox Moth	A	1718	Oblique Striped	P
1640	Drinker	A	1719	Oblique Carpet	A
1643	Emperor Moth	A	1720	Gem	P
1645	Scalloped Hook-tip	A	1722	Flame Carpet	A
1646	Oak Hook-tip	A	1723	Red Carpet	P
1647	Barred Hook-tip	P	1724	Red Twin-spot Carpet	P
1648	Pebble Hook-tip	A	1725	Dark-barred Twin-spot Carpet	A
1651	Chinese Character	A	1726	Large Twin-spot Carpet	S
1652	Peach Blossom	A	1727	Silver-ground Carpet	A
1653	Buff Arches	A	1728	Garden Carpet	A
1654	Figure of Eighty	A	1732	Shaded Broad-bar	A
1656	Satin Lutestring	P	1733	Lead Belle	S
1657	Common Lutestring	A	1734	July Belle	S
1658	Oak Lutestring	P	1738	Common Carpet	A
1659	Yellow Horned	A	1740	Galium Carpet	P
1660	Frosted Green	P	1742	Yellow Shell	A
1661	Orange Underwing	A	1744	Grey Mountain Carpet	P
1663	March Moth	A	1745	Mallow	P
1665	Grass Emerald	P	1746	Shoulder Stripe	A
1666	Large Emerald	A	1747	Streamer	A

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1748	Beautiful Carpet	P	1799	Winter Moth	A
1749	Dark Spinach	P	1800	Northern Winter Moth	P
1750	Water Carpet	A	1801	Barred Carpet	P
1751	Devon Carpet	P	1802	Rivulet	A
1752	Purple Bar	A	1803	Small Rivulet	A
1753	Striped Twin-spot Carpet	P	1804	Barred Rivulet	A
1754	Phoenix	A	1807	Grass Rivulet	A
1755	Chevron	A	1808	Sandy Carpet	A
1756	Northern Spinach	A	1809	Twin-spot Carpet	A
1757	Spinach	A	1811	Slender Pug	D
1758	Barred Straw	A	1813	Haworth's Pug	P
1759	Small Phoenix	A	1814	Lead-coloured Pug	S
1760	Red-green Carpet	A	1815	Cloaked Pug	P
1761	Autumn Green Carpet	P	1816	Toadflax Pug	P
1762	Dark Marbled Carpet	S	1817	Foxglove Pug	A
1764	Common Marbled Carpet	A	1819	Mottled Pug	A
1765	Barred Yellow	A	1821	Valerian Pug	P
1766	Blue-bordered Carpet	A	1822	Marsh Pug	P
1767	Pine Carpet	A	1823	Netted Pug	P
1768	Grey Pine Carpet	A	1825	Lime-speck Pug	A
1769	Spruce Carpet	A	1826	Triple-spotted Pug	S
1771	Juniper Carpet	A	1827	Freyer's Pug	A
1772	Netted Carpet	P	1828	Satyr Pug	S
1773	Broken-barred Carpet	A	1830	Wormwood Pug	A
1774	Beech-green Carpet	P	1832	Currant Pug	A
1775	Mottled Grey	A	1833	Bleached Pug	P
1776	Green Carpet	A	1834	Common Pug	A
1777	July Highflyer	A	1835	White-spotted Pug	A
1778	May Highflyer	A	1837	Grey Pug	A
1779	Ruddy Highflyer	P	1838	Tawny Speckled Pug	A
1784	Pretty Chalk Carpet	P	1839	Bordered Pug	A
1787	Argent & Sable	P	1840	Shaded Pug	P
1789	Scallop Shell	A	1842	Plain Pug	P
1790	Tissue	P	1843	Thyme Pug	S
1791	Brown Scallop	P	1844	Ochreous Pug	A
1792	Dark Umber	P	1846	Narrow-winged Pug	A
1793	Cloaked Carpet	P	1848	Angle-barred Pug	P
1795	November Moth	D	1851	Golden-rod Pug	P
1796	Pale November Moth	D	1852	Brindled Pug	A
1797	Autumnal Moth	D	1853	Oak-tree Pug	A
1798	Small Autumnal Moth	D	1854	Juniper Pug	P

1856	Larch Pug	P	1919	Purple Thorn	A
1857	Dwarf Pug	P	1920	Scalloped Hazel	A
1858	V-Pug	A	1921	Scalloped Oak	A
1859	Sloe Pug	P	1922	Swallow-tailed Moth	A
1860	Green Pug	A	1923	Feathered Thorn	A
1862	Double-striped Pug	A	1925	Small Brindled Beauty	P
1864	Streak	P	1926	Pale Brindled Beauty	A
1866	Manchester Treble-bar	P	1927	Brindled Beauty	P
1867	Treble-bar	A	1928	Belted Beauty	P
1870	Chimney Sweeper	A	1930	Oak Beauty	A
1872	Blomer's Rivulet	P	1931	Peppered Moth	A
1873	Welsh Wave	P	1932	Spring Usher	A
1874	Dingy Shell	P	1933	Scarce Umber	A
1875	Small White Wave	P	1934	Dotted Border	A
1876	Small Yellow Wave	A	1935	Mottled Umber	A
1879	Seraphim	A	1936	Waved Umber	P
1880	Barred Tooth-striped	P	1937	Willow Beauty	A
1881	Early Tooth-striped	A	1940	Satin Beauty	P
1882	Small Seraphim	A	1941	Mottled Beauty	A
1883	Yellow-barred Brindle	A	1945	Brussels Lace	P
1884	Magpie Moth	A	1947	Engrailed	A
1885	Clouded Magpie	P	1948	Small Engrailed	S
1887	Clouded Border	A	1949	Square Spot	P
1888	Scorched Carpet	A	1951	Grey Birch	A
1889	Peacock Moth	P	1952	Common Heath	A
1893	Tawny-barred Angle	A	1954	Bordered White	A
1894	Latticed Heath	A	1955	Common White Wave	A
1897	V-Moth	A	1956	Common Wave	A
1902	Brown Silver-line	A	1957	White-pinion Spotted	A
1903	Barred Umber	P	1958	Clouded Silver	A
1904	Scorched Wing	A	1960	Early Moth	A
1906	Brimstone Moth	A	1961	Light Emerald	A
1907	Bordered Beauty	A	1962	Barred Red	A
1909	Speckled Yellow	P	1964	Annulet	P
1910	Lilac Beauty	P	1969	Grey Scalloped Bar	P
1912	August Thorn	P	1970	Grass Wave	P
1913	Canary-shouldered Thorn	A	1972	Convolvulus Hawk-moth	P
1914	Dusky Thorn	A	1973	Death's-head Hawk-moth	P
1915	September Thorn	A	1976	Privet Hawk-moth	P
1917	Early Thorn	A	1978	Pine Hawk-moth	P
1918	Lunar Thorn	P	1979	Lime Hawk-moth	A

1980	Eyed Hawk-moth	A	2050	Common Footman	A
1981	Poplar Hawk-moth	A	2051	Four-spotted Footman	P
1984	Humming-bird Hawk-moth	A	2056	Wood Tiger	P
1985	Oleander Hawk-moth	P	2057	Garden Tiger	A
1986	Spurge Hawk-moth	P	2059	Clouded Buff	P
1987	Bedstraw Hawk-moth	P	2060	White Ermine	A
1990	Striped Hawk-moth	P	2061	Buff Ermine	A
1991	Elephant Hawk-moth	A	2063	Muslin Moth	A
1992	Small Elephant Hawk-moth	A	2064	Ruby Tiger	A
1993	Silver-striped Hawk-moth	P	2069	Cinnabar	A
1994	Buff-tip	A	2077	Short-cloaked Moth	A
1995	Puss Moth	A	2078	Least Black Arches	A
1996	Alder Kitten	P	2080	Square-spot Dart	S
1997	Sallow Kitten	A	2081	White-line Dart	A
1998	Poplar Kitten	P	2082	Garden Dart	S
2000	Iron Prominent	A	2083	Coast Dart	S
2003	Pebble Prominent	A	2085	Archer's Dart	A
2005	Great Prominent	P	2087	Turnip Moth	A
2006	Lesser Swallow Prominent	A	2088	Heart and Club	P
2007	Swallow Prominent	A	2089	Heart and Dart	A
2008	Coxcomb Prominent	A	2091	Dark Sword-grass	A
2010	Scarce Prominent	P	2092	Shuttle-shaped Dart	A
2011	Pale Prominent	A	2093	Sand Dart	P
2015	Lunar Marbled Brown	A	2098	Flame	A
2017	Small Chocolate-tip	P	2099	Portland Moth	P
2020	Figure of Eight	A	2102	Flame Shoulder	A
2026	Vapourer	A	2104	Northern Rustic	P
2027	Dark Tussock	P	2105	Dotted Rustic	P
2028	Pale Tussock	A	2107	Large Yellow Underwing	A
2029	Brown-tail	A	2109	Lesser Yellow Underwing	A
2030	Yellow-tail	A	2110	Broad-bordered Yellow Underwing	A
2031	White Satin	A	2111	Lesser Broad-boarded Yellow Underwing	A
2033	Black Arches	P	2112	Least Yellow Underwing	A
2035	Round-winged Muslin	P	2113	Stout Dart	P
2038	Muslin Footman	A	2114	Double Dart	P
2039	Red-necked Footman	P	2117	Autumnal Rustic	A
2040	Four-dotted Footman	P	2118	True Lover's Knot	A
2043	Orange Footman	P	2119	Pearly Underwing	P
2044	Dingy Footman	P	2120	Ingrailed Clay	A
2047	Scarce Footman	P	2121	Barred Chestnut	P
2049	Buff Footman	P	2122	Purple Clay	A

2123	Small Square-spot	A	2187	Common Quaker	A
2126	Setaceous Hebrew Character	A	2188	Clouded Drab	A
2127	Triple-spotted Clay	P	2189	Twin-spotted Quaker	A
2128	Double Square-spot	A	2190	Hebrew Character	A
2130	Dotted Clay	A	2192	Brown-line Bright Eye	A
2132	Neglected Rustic	P	2193	Clay	A
2133	Six-striped Rustic	A	2195	Delicate	P
2134	Square-spot Rustic	A	2196	Striped Wainscot	P
2135	Heath Rustic	P	2197	Southern Wainscot	A
2136	Gothic	A	2198	Smoky Wainscot	A
2137	Great Brocade	P	2199	Common Wainscot	A
2138	Green Arches	A	2201	Shore Wainscot	P
2139	Red Chestnut	A	2203	White-speck	P
2142	Beautiful Yellow Underwing	A	2204	Obscure Wainscot	P
2145	Nutmeg	A	2205	Shoulder-striped Wainscot	A
2147	Shears	A	2208	Cosmopolitan	P
2150	Grey Arches	A	2211	Wormwood	P
2152	White Colon	P	2214	Chamomile Shark	A
2154	Cabbage Moth	A	2216	Shark	A
2155	Dot Moth	A	2221	Mullein	P
2156	Beautiful Brocade	P	2225	Minor Shoulder-knot	P
2158	Pale-shouldered Brocade	A	2227	Sprawler	P
2159	Dog's Tooth	A	2229	Brindled Ochre	P
2160	Bright-line Brown-eye	A	2231	Deep-brown Dart	P
2162	Glaucous Shears	P	2231a	Northern Deep-brown Dart	P
2163	Broom Moth	A	2232	Black Rustic	A
2164	Broad-barred White	A	2233	Golden-rod Brindle	P
2165	Small Ranunculus	P	2235	Tawny Pinion	A
2166	Campion	A	2236	Pale Pinion	A
2167	Tawny Shears	P	2237	Grey Shoulder-knot	P
2171	Marbled Coronet	P	2240	Blair's Shoulder-knot	A
2173	Lychnis	A	2241	Red Sword-grass	A
2176	Antler Moth	A	2242	Sword-grass	P
2177	Hedge Rustic	P	2243	Early Grey	A
2178	Feathered Gothic	A	2245	Green-brindled Crescent	A
2179	Pine Beauty	A	2247	Merveille du Jour	A
2182	Small Quaker	A	2248	Brindled Green	A
2183	Blossom Underwing	P	2250	Dark Brocade	P
2184	Northern Drab	S	2252	Large Ranunculus	P
2185	Lead-coloured Drab	S	2254	Grey Chi	A
2186	Powdered Quaker	A	2255	Feathered Ranunculus	A

2256	Satellite	A	2322	Light Arches	A
2258	Chestnut	A	2323	Reddish Light Arches	P
2259	Dark Chestnut	A	2325	Crescent Striped	P
2262	Brick	A	2326	Clouded-bordered Brindle	A
2263	Red-line Quaker	A	2327	Clouded Brindle	P
2264	Yellow-line Quaker	A	2329	Confused	P
2265	Flounced Chestnut	P	2330	Dusky Brocade	A
2266	Brown-spot Pinion	P	2331	Small Clouded Brindle	A
2267	Beaded Chestnut	A	2333	Large Nutmeg	P
2268	Suspected	P	2334	Rustic Shoulder-knot	A
2269	Centre-barred Sallow	A	2335	Slender Brindle	A
2270	Lunar Underwing	A	2336	Double Lobed	A
2271	Orange Sallow	A	2337	Marbled Minor	D
2272	Barred Sallow	A	2338	Rufous Minor	D
2273	Pink-barred Sallow	A	2339	Tawny Marbled Minor	D
2274	Sallow	A	2340	Middle-barred Minor	A
2275	Dusky-lemon Sallow	P	2341	Cloaked Minor	A
2278	Poplar Grey	A	2342	Rosy Minor	A
2280	Miller	A	2343	Common Rustic	D
2281	Alder Moth	A	2343a	Lesser Common Rustic	D
2283	Dark Dagger	D	2344	Least Minor	P
2284	Grey Dagger	D	2345	Small Dotted Buff	A
2286	Light Knot Grass	P	2350	Small Wainscot	A
2289	Knot Grass	A	2352	Dusky Sallow	P
2291	Coronet	P	2353	Flounced Rustic	A
2293	Marbled Beauty	A	2354	Sandhill Rustic	P
2297	Copper Underwing	A	2357	Large Ear	D
2298	Svensson's Copper Underwing	A	2358	Saltern Ear	D
2299	Mouse Moth	A	2359	Crinan Ear	D
2300	Old Lady	A	2360	Ear Moth	D
2301	Bird's Wing	P	2361	Rosy Rustic	A
2302	Brown Rustic	P	2362	Butterbur	P
2303	Straw Underwing	A	2364	Frosted Orange	A
2304	Orache Moth	P	2367	Haworth's Minor	A
2305	Small Angle Shades	A	2368	Crescent	A
2306	Angle Shades	A	2369	Bulrush Wainscot	A
2312	Olive	A	2371	Brown-veined Wainscot	P
2314	Dingy Shears	A	2375	Large Wainscot	A
2318	Dun-bar	A	2377	Fen Wainscot	P
2320	Saxon	P	2379	Small Rufous	A
2321	Dark Arches	A	2380	Treble Lines	A

2381	Uncertain	A	2475	Waved Black	P
2382	Rustic	A	2476	Beautiful Snout	P
2384	Vine's Rustic	P	2477	Snout	A
2385	Small Mottled Willow	P	2484	Pinion-streaked Snout	A
2387	Mottled Rustic	A	2485	Marsh Oblique-barred	P
2389	Pale Mottled Willow	A	2489	Fan-foot	A
2391	Silky Wainscot	P	2492	Small Fan-foot	A
2394	Anomalous	P			
2397	Small Yellow Underwing	A			
2399	Bordered Sallow	A			
2400	Scarce Bordered Straw	P			
2403	Bordered Straw	P			
2408	Small Marbled	P			
2410	Marbled White Spot	P			
2412	Silver Hook	P			
2418	Cream-bordered Green Pea	P			
2421	Scarce Silver-lines	A			
2422	Green Silver-lines	A			
2423	Oak Nycteoline	A			
2425	Nut-tree Tussock	A			
2428	Golden Twin-spot	P			
2432	Ni Moth	P			
2434	Burnished Brass	A			
2437	Golden Plusia	A			
2439	Gold Spot	A			
2440	Lempke's Gold Spot	P			
2441	Silver Y	A			
2442	Beautiful Golden Y	A			
2443	Plain Golden Y	A			
2444	Gold Spangle	A			
2447	Scarce Silver Y	P			
2449	Dark Spectacle	A			
2450	Spectacle	A			
2452	Red Underwing	A			
2462	Mother Shipton	A			
2463	Burnet Companion	P			
2466	Blackneck	A			
2469	Herald	A			
2470	Small Purple-bared	P			
2473	Beautiful Hook-tip	P			
2474	Straw Dot	A			

A copy of this checklist is available in Excel format, which also contains scientific names