



Moths of Poole Harbour is a project of Birds of Poole Harbour

Moths on Brownsea Island 1962-2017

Brownsea Island, the largest of the five main Islands in Poole Harbour, owned by the National Trust, comprises a variety of habitats which give rise to a large and interesting moth fauna. The strategic location of the site also means the Island attracts a lot of migrants as well as species associated with the rich habitats nearby in Poole Harbour.

The moth fauna of Brownsea is strikingly rich, a feature shared with some other orders, notably Beetles and Plant-bugs. Over 900 species of Macro and Micro-moths have been identified and this reflects the wide variety of vegetation on the island.



Fig.1 Brownsea Island

Recording effort

Moth recording on the Island goes back to the early 1960's when the late Alan Bromby (latterly National Trust Property Manager) regularly ran a trap and recorded behind the Agent's House at the main quay. The area is adjacent to the lagoon with marginal saltmarsh vegetation. Most of the 1960's records date from 1962-5 and there is virtually no data beyond a straightforward species list. With very few exceptions only macro moths were recorded at this time. Alan's records come with only occasional annotations, so little is known concerning context and numbers involved.

In the late 1970's and early 1980's, A.A. Allen apparently undertook extensive recording of micro-moth species on the island and this included a lot of larval and leaf-mine work. This laid a baseline for current knowledge. From the mid 1980's regular low-key trapping was undertaken by Dorset Wildlife Trust Reserve staff; Kevin Cook, Chris Thain, Colin Williams and Abigail Gibbs.

Browsea Island is effectively split in half by the aptly named 'Middle Street', everything to the south is managed by the National Trust (NT) and everything to the north is managed by the Dorset Wildlife Trust (DWT). The majority of moth trapping took place on the DWT side. From 2000 onwards considerable effort was put in by visiting *moth-ers*, especially Dave Foot et al. A group comprising Andy Swash, Steve Holmes et al undertook so called "moth-athons" a number of times and these represented intense recording efforts with multiple traps over consecutive nights. These events were written up in individual reports at the time.

From 2012, with the publication of the 'Field Guide to the Micro-moths of Great Britain and Ireland' by Phil Sterling and Mark Parsons, greater effort was put into their identification. Although a few specimens were retained for verification this was not commonly undertaken.

Recording areas

Recording effort from the mid-1980's was very skewed towards sources of electricity to power the light traps. The Villa, in the middle of the Dorset Wildlife Trust Nature Reserve was the prime location. Mostly a trap was put out at the highest available point, on St Andrew's Hill above the Villa, which because of its elevation regularly recorded a greater number of migrant species. The Villa Garden and the Villa Meadow were other regular sites. Electrical supply to the Public Hide near the Orchid Meadow and the Low Hide, meant these areas were frequently sampled. A generator allowed for trapping elsewhere on the island but few, if any, areas can be said to have been regularly sampled. Seymer's saltmarsh was occasionally trapped (primarily to ascertain the continued presence of Sand Dart) as was the East Lake shoreline (for Webb's Wainscot). Other sites were looked at by visiting *moth-ers* but some areas, most obviously the main heath-block, could be said to be substantially overlooked and under-recorded.

One striking feature of this trapping was the highly localised nature of some species. The traps located at St Andrew's Hill and the Villa Meadow are probably little more than 50 metres apart but would regularly contain up to a 50% difference in species caught.

The 'Heathblock' – a large area of heath on the NT side was trapped irregularly due to the fact there were no nearby sources of power, however this area has produced and will continue to house a number of heathland species.

Data

From 2010 all data stored on the island, for all taxa, was retrieved and entered into a RECORDER database through the auspices of Dorset Environmental Record Centre (DERC). This included all moth records regardless of verification, although this information was inputted when known. The 'moth-athon' data was written up as individual reports for each visit.

Results and interpretation

The following report consists of a summary of the data held on the RECORDER database to 2016.

One of the most obvious factors affecting recording effort has been the production of impressive new identification resources – most recently the field guide to the micro-moths published in 2012. This has led to far more extensive identification of micro-moth species although comes with various caveats about attention to detail and the care required.

Examination of the records throw up a number of probable and definite anomalies or simply erroneous records. These are listed in Appendix 1. Mostly these are the result of a lack of contextual knowledge surrounding the species' status in the region and any requirements for closer (i.e. genitalia) examination.

It is difficult in most cases to determine whether the first recorded year for any particular species reflects recent arrival or recent capacity to identify the species! In the vast majority of cases, it is undoubtedly the latter but where some additional information is known it is included in the report.

Going forward

There have been some significant changes in the moth fauna over the past 50 years and whilst the bulk of species continue to exist, the assemblage of species on the Island can be said to be dynamic. A number of species have colonised or increased their range in Dorset and southern Britain whilst several have become scarce or been lost altogether.

The nature of the Island vegetation is also changing. Since the 1960's very substantial areas of sometimes dense *Rhododendron ponticum* have been eradicated. In most areas, replacement vegetation is only slowly developing and there has been a commensurate increase in Bracken cover. The woodlands too have altered, not least with the onset of a 'Higher Level Stewardship' (HLS) scheme which aims to encourage significantly enhanced heathland habitat at the expense of some of the more over-stocked coniferous woodland. Over the next few decades, it is quite possible that heathland species will gain and increase from this work.

It is strongly recommended that the heathland should be prioritised for moth survey work and the sooner the better. This will give a solid baseline from which to evaluate the biodiversity efficacy of the HLS scheme during the remainder of its time period and in the coming decades. In both spring and late autumn there are a number of species which may turn up having been previously overlooked through lack of recording effort at appropriate times. Given the recent colonisation of most of the south side of the harbour by Southern Chestnut (Red Data Book) and given the high mobility of the species it would be surprising if it does not now occur and targeted effort in October could prove rewarding.

The reedbed has been a very important habitat for a significant number of moth species, not least the various Wainscots. However, there has been a significantly marked decline in the structure and quality of the reed stands, with grazing by Sika Deer an apparently major factor in the decline. Retention and restoration of this habitat on the Island should be a major conservation priority, but may require substantial long-term management investment. Results of a structural study by Doug Taylor recommend fencing much of the freshwater reedbed against deer and given the richness of the moth fauna alone this should be an extremely high priority for action by owners and managers on the island.

The small residual areas of saltmarsh (Seymer's Marsh and areas around the lagoon) are also heavily impacted by Deer and rabbits. Saltmarsh vegetation structure is generally suppressed and this may have long-term implications for some species such as Sand Dart. One plant species, *Salsola kali* (Prickly Saltwort) has increased dramatically on the strandline and the attendant moth *Gymnancyla canella* is now found on the Island.

Brownsea has a number of pockets of broad-leaved woodland. Areas of Hornbeam and Elm along Middle Street may be particularly significant for moths, in a Dorset context. Clouded Magpie (an Elm feeder) has twice been recorded near the Elms in recent years and could conceivably breed on the Island. The micro-moth *Agrotera nemoralis* currently has its only known colony on the Island and is assumed to be breeding on the Hornbeams. On the northern half of the Island in particular, areas of predominantly coniferous woodland are naturally regenerating to a strongly mixed woodland following the eradication of Rhododendron.

BROWNSEA ISLAND MOTHS

SUMMARY OF RECORDS HELD ON 'RECORDER' TO APRIL 2017, EARLY BROWNSEA RECORDS, THE DERC DATABASE AND LIVING RECORD

Principal recorders: (AAA) Tony (?) Allen, (AB) Alan Bromby, (AS) Andy Swash, (KGC) Kevin Cook, (AD) Tony Davis, (GD) Graham Dennis, (DF) Dave Foot, (AG) Abigail Gibbs, (SH) Steve Holmes, (SHi) Steve Hind, (PS) Phil Sterling, (CT) Chris Thain, (CW) Colin Williams.

The following pages list every species recorded on Brownsea from 1962 – 2017, relative to records found on the Living Record database 2000-2019. Each species has its individual 'Bradley & Fletcher' (BF) moth number and the list below is in number order. Micro-moths are recorded by Latin name with common name in brackets (where given). Macro moths are recorded by common name with Latin name following. Date and name of first recorder is given as well as how many grid squares the species occurs in on Living Record. For context, occurrence of the species at Studland has been included in the details: [Studland 1] = recorded by Cyril Diver in 1930's. [Studland 2] = Recorded 2013-15. Information on whether the moth is a UK BAP (Biodiversity Action Plan) species is also given.

5 *Micropterix calthella* – Single record 1980. AAA. No Poole Harbour records in Living Record 2000-2019.

6 *Dyseriocrania subpurpurella* – Single record 1980. AAA. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

8 *Eriocrania unimaculella* – 2013 tenanted mine (PS), 2015 adult (CT). Record on Living Record for grid-square SZ2088 in 2019. [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

12 *Eriocrania sangii* – 2010 mine (Bob Palmer) and 2013 (PS) tenanted mines. [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

14 Ghost Moth *Hepialus humuli* – 2 records: 1994 (A. Credland), 2007 (AG). Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 73% - 1975-2010.**

15 Orange Swift *Triodia sylvina* – First record 1985 (KGC/CT), 18 records since. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

16 Gold Swift *Phymatopus hecta* – On 1983 species list – no details. 2005 (DF/AG/CT), 2014 (DF/AG). [Studland 1 and 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

18 Common Swift *Korscheltellus lupulina* – First in 2002 (AS), 9 since. [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 19 *Bohemannia quadrimaculella*** (Notable b) – 1980 (AAA). Brownsea is the only Poole Harbour site where this species has been recorded.
- 28 *Ectoedemia angulifasciella*** – Recorded 3 times as larvae 2011 (SH, SHi). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 29 *Ectoedemia atricollis*** – Recorded 3 times as larvae 2011 (SH, SHi). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 34 *Ectoedemia occultella*** – Recorded as adult 1981 (AAA) and 3 times as larvae 2011 (SH, SHi) [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 35 *Ectoedemia minimella*** – Recorded as larva, June 2011 (SH, SHi). Brownsea is the only Poole Harbour site where this species has been recorded.
- 37 *Ectoedemia albifasciella*** – Adult 2002 (AS), larvae 4 times in 2011 (SH, SHi). [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 38 *Ectoedemia subbimaculella*** – Larvae found 4 times in 2011 (SH, SHi). Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 42 *Ectoedemia septembrella*** – Recorded twice as larvae 2011. (SH, SHi). Brownsea is the only Poole Harbour site where this species has been recorded. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 50 *Stigmella aurella*** – Recorded 10 times since 2010, once as adult, mostly as larvae and leaf-mine. [Studland 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 63 *Stigmella lemniscella*** – Recorded as larva, 2011 (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 64 *Stigmella continuella*** – Recorded twice as larva, 2011 (SH, SHi). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 65 *Stigmella speciosa*** – Recorded as larva, 2011 (SH, SHi). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 67 *Stigmella plagicolella*** – Recorded twice as larva, 2011 (SH, SHi). [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 68 *Stigmella salicis*** – 1980 (AAA), recorded as adult 2002 (AS) and 4 times as larva in 2011 (SH, SHi). [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 70 *Stigmella obliquella*** – Recorded twice as larva, 2011 (SH, SHi). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 75 *Stigmella floslactella*** – 1980 (AAA), recorded as adult 2002 (AS) and 4 times larva 2011 (SH, SHi). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 77 *Stigmella tityrella*** – 1981, larva (AAA), 2002 (AS) and 6 times as larva in 2011 (SH, SHi et al). Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 79 *Stigmella perpygmaeella*** – Recorded as larva 3 times in 2011 (SH, SHi) and as leaf mine 2015 (SH). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

80 *Stigmella ulmivora* – Recorded as larva 2011 (SH, SHi). Brownsea is the only Poole Harbour site where this species has been recorded.

81 *Stigmella hemargyrella* – Recorded 2002 (AS) and 4 times as larvae 2011 (SH, SHi). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

83 *Stigmella atricapitella* – Recorded at the Villa 2002 (AS). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

84 *Stigmella ruficapitella* – Sole record, as larvae 2011 (SH, SHi). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

85 *Stigmella suberivora* – Recorded 1980 (AAA) and 6 times in 2011 (SH, SHi et al). [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

88 *Stigmella samiatella* – Recorded 3 times as larvae 2011 (SH, SHi et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

89 *Stigmella basiguttella* – Recorded 2002 (AS) and twice as larva 2011 (SH, SHi). Brownsea is the only Poole Harbour site where this species has been recorded.

92 *Stigmella anomalella* – Recorded 3 times as larvae 2011 (SH, SHi) and as leaf-mine 2015 (SH). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

99 *Stigmella hybnerella* – Recorded twice as larvae 2011 (SH, SHi). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

100 *Stigmella oxycanthella* – Recorded twice as larvae 2011 (SH, SHi). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

103 *Stigmella nylandriella* – Adult 1981 (AAA), 2002 (AS) 4 times as larvae 2011 (SH, SHi), leaf-mine 2015 (SH). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

110 *Stigmella betulicola* – Recorded as larvae 3 times in 2011 (SH, SHi). [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

111 *Stigmella microtheriella* – Recorded 1980 (AAA), 4 times as larvae 2011 (SH, SHi). [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

112 *Stigmella luteella* – Recorded 2002 (AS), 4 times as larvae 2011 (SH, SHi). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

113 *Stigmella sakhalinella* – Recorded as adult 1981 (AAA) and 3 times as larvae 2011 (SH, SHi). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

114 *Stigmella glutinosae* – Single record, larvae 2011 (SH, SHi). No records in Living Record for the Poole Harbour area 2000-2019.

116 *Stigmella lapponica* – Single record, larvae 2011 (SH, SHi). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

117 *Stigmella confusella* – Recorded twice as larvae 2011 (SH, SHi). [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

123 *Tishceria ekebladella* – Recorded 4 times as larvae 2011, (SH, SHi). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 124 *Tischeria dodonaea*** – Recorded 4 times as larvae 2011, (SH, SHi). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 125 *Coptotriche marginea*** – First recorded 1980 (AAA), as adult 2009 (AS) and as adult and larvae 9 times since. [Studland 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 128 *Phylloporia bistrigella*** – Recorded once, 1980 (AAA). [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 129 *Incurvaria pectinea*** – 15 larvae found 2015 (SH). [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 130 *Incurvaria masculella*** – Single record 2015 (AG/CT et al). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 131 *Incurvaria oehlmanniella*** – Single record 2016 (CT) though Bilberry is not now known on the island. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 140 *Nematopogon swammerdamella*** – Recorded in 1978 and 1980 (AAA) 6 times since 2011. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 148 *Nemophora degeerella*** – 7 records since 2010. [Studland 1 and 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 149 *Adela cuprella*** – Recorded as adult 1981 (AAA). This is apparently the sole Poole Harbour record for the species.
- 150 *Adela reaumerella*** – Recorded 1978 and 1980 (AAA), 5 times in 2011 & 2012 (AG, CT, DF et al). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 154 *Heliozela sericiella*** – Recorded 1980 (AAA) and 2011 as larvae (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 156 *Heliozela resplendella*** – Recorded 3 times as larvae 2011 (SH, SHi). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 161 Leopard Moth *Zeuzera pyrina*** – First recorded 1962-64 (AB), 17 since. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 162 Goat Moth *Cossus cossus*** (Notable b) – On 1980's species list, no details. Recorded as adult or larva 45 times, with larva found quite widely across the island. **UK Bap species, declining.** [Studland 1 & 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 169 Six-spot Burnet *Zygaena filipendulae*** – Only 4 records: On 1983 species list (no details), 3 since. [Studland 1 and 2]. Records from 27 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 170 Five-spot Burnet *Zygaena trifolii*** – Only 4 records: On 1983 species list (no details), 3 since. Under-recorded possibly due to confusion between the 2 species. [Studland 1]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 173 Festoon *Apoda limacodes*** (Notable b) – Recorded 1962-4 (AB), 50+ records in total. [Studland 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 174 Triangle *Heterogena asella*** (RDB) – Single record 1964 (AB). This is apparently the only record for the Poole Harbour area.
- 175 *Narycia duplicella*** – Single record 1980 (AAA). [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

- 181 *Taleporia tubulosa*** – First recorded 1978 and 1980 (AAA) 7 times since 2009. [Studland 1 and 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 185 *Luffia ferchaultella*** – Recorded 1980 (AAA) and 2013 (PS). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 186 *Psyche casta*** – 1978 and 1980 (AAA), 2002 (AS) twice in 2011 as larvae (SH, SHi), 2015 (CT). [Studland 2]. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 192 *Pachythelia villosella*** (RDB) – Cases seen on heath 1968 and 1974 (AB). [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 196 *Morophaga choragella*** – First recorded 2000 (AD), 14 records since. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 216 *Nemapogon cloacella*** – Recorded twice: 1980 (AAA), 2009 (AS). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 217 *Nemapogon wolffiella*** (Notable b) – Recorded 2002 (AS) and 2009 (AS). Apparently, the sole record for the Poole Harbour recording area.
- 224 *Triaxomera parasitella*** – 3 records in 2016 (AG, CT et al). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 228 *Monopis weaverella*** – First recorded 2009 (AS), 10 records since. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 229 *Monopis obviella*** – 4 records, first in 2013 (AG), twice in 2015 (SH, AS et al) and in 2016. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 240 *Tinea pellionella*** – (Case-bearing Clothes Moth) – Single record 2012 (AG). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 246 *Tinea semifulvella*** – Recorded twice in 2010 (DF, AG, CT), 6 times since. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 247 *Tinea trinotella*** – Recorded twice in 2011 (DF et al), 5 records since. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 260 *Leucoptera malifoliella*** – Recorded twice (once as larvae) in 2011 (SH, AG et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 263 *Lyonetia clerkella*** (Apple Leaf Miner) – 1980 (AAA) 2002 and 2009 (AS), as larvae and leaf-mine 2011 (SH, SHi). On Living Record 1km grid-square SZ0288 in 2019. [Studland 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 264 *Bedellia somnulentella*** – Larvae found 2011 (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 266 *Bucculatrix nigricomella*** – Single record 2014 (DF, AG). Apparently, the only record for Poole Harbour. The larvae feed on Ox-eye Daisy.
- 272 *Bucculatrix cidarella*** – Recorded as larvae twice in 2011 (SH, SHi). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 273 *Bucculatrix thoracella*** – 2011, larvae (SH, SHi), cocoon on Lime tree 2013 (PS). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

- 274 *Bucculatrix ulmella*** – Recorded as larvae 3 times in 2011 (SH, SHi), as adult 3 times since (SH et al). [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 275 *Bucculatrix bechsteinella*** – Recorded as larva 2011 (SH, SHi). [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 281 *Caloptilia populetorum*** – 4 records in 2014, 1 in 2016 (AG, CT et al). [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 282 *Caloptilia elongella*** – 1980 (AAA), 2011 3 times in 2011 as adult and larvae, 11 times since. [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 283 *Caloptilia betulicola*** – 1978 and 1980 (AAA), 42 records since. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 284 *Caloptilia rufipennella*** – Recorded as larvae and leaf-mine 5 times in 2011 and once in 2015 (SH, SHi et al). [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 286 *Caloptilia alchimiella*** – Possible recent arrival. Recorded twice in 2011 (DF et al), 30 times since. [Studland 2]. Records for the aggregate of *C. alchimiella* and *C. robustella* from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. A single 1km square for *C. alchimiella*.
- 287 *Caloptilia robustella*** – Recorded twice in 2011 (SH et al), 27 times since. This species and *C. alchimiella* are frequently aggregated as they are difficult to determine on external characteristics. For this reason, this species and *C. alchimiella* should be treated as aggregates.
- 288 *Caloptilia stigmatella*** – First recorded 2009 (AS), 33 times since. [Studland 1 and 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 289 *Caloptilia falconipennella*** (Notable b) – Two records in 2014 (DF, AG) 4 since. [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 293 *Gracillaria syringella*** – Recorded as adult 1981 (AAA), twice as larvae 2011 (SH, SHi). Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 294 *Aspilapteryx tringipennella*** – Single record 2014 (AG). Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 297 *Euspilapteryx auroguttella*** – Single record 1980 (AAA). Records from 1 x 1km square elsewhere on Living Record 2000-2019.
- 301 *Parornix betulae*** – Recorded 1980 (AAA), 3 times as larvae 2011 and as leaf-mine 2015 (SH, SHi). [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 302 *Parornix fagivora*** – Single record, leaf-mines in 2015 (SH). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 303 *Parornix anglicella*** – Recorded as larvae 3 times in 2011 (SH), 4 times as adults since. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 304 *Parornix devoniella*** – Recorded as larvae 2011 (SH, SHi). [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 305 *Parornix scoticella*** – Recorded 3 times as larvae 2011 (SH, SHi) and leaf-mine 2015 (SH). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 309 *Parornix torquillela*** – Recorded as larvae 2011 (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 313 *Acrocercops brongniardella*** – Found as larvae 2011 (SH et al). [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 315 *Phyllonorycter harrisella*** – Single record 2002 (AS). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 316 *Phyllonorycter roboris*** (Notable b) – Recorded as larvae and leaf-mine 4 times in 2011 (SH, et al). This is the only Poole Harbour record for this species.
- 320 *Phyllonorycter quercifoliella*** – Recorded as larvae 5 times in 2011 (SH, SHi) and as leaf-mine 2015 (SH). Brownsea is the sole Poole Harbour location for this species.
- 321 *Phyllonorycter messaniella*** – Recorded 1980 (AAA) and 48 times since 2010. [Studland 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 321a *Phyllonorycter platini*** – Recorded as larvae 2013 (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 323 *Phyllonorycter oxycanthae*** – Recorded 1980 (AAA) and 3 times as larvae 2011 (SH, SHi). [Studland 1 and 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 324 *Phyllonorycter sorbi*** – Recorded 6 times in 2011 as larvae and leaf-mine (SH, SHi et al). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 329 *Phyllonorycter spinicolella*** – Recorded twice as larvae 2011 (SH, SHi). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 330 *Phyllonorycter cerasicolella*** – Single record, larvae 2011 (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 332 *Phyllonorycter corylifoliella*** – 1980 (AAA), twice as larvae 2011 (SH, SHi). [Studland 1 and 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 333 *Phyllonorycter salictella*** – Recorded 4 times in 2011 as larvae and leaf-mine (SH, SHi). [Studland 2]. No records on Living Record for the species in Poole Harbour 2000-2019.
- 334 *Phyllonorycter viminetorum*** (Notable a) – Recorded 1980 (AAA). This is the only record of the species in Poole Harbour, and is not included on the Dorset Moth Group maps.
- 335 *Phyllonorycter salicolella*** – Recorded as leaf-mine 2015 (SH). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 338 *Phyllonorycter cavella*** – Recorded as larvae 2011 (SH, SHi). This is the only site in Poole Harbour where this species has been recorded and may constitute a new record for Dorset.
- 341 *Phyllonorycter maestingella*** – Recorded 1980 (AAA), 2002 (AS) and 5 times as larvae in 2011 (SH, SHi). Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 342 *Phyllonorycter coryli*** – Recorded 1980 (AAA), 2002 (AS) and 4 times, once as larvae, in 2011 (SH, SHi). [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 343 *Phyllonorycter esperella*** – Recorded as leaf-mine 2011 (SH, SHi). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 345 *Phyllonorycter rajella*** – 1980 (AAA), 2002 (AS) 4 times as adult and larvae, 2011 (SH, SHi). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 351 *Phyllonorycter lautella*** – Recorded as larvae 2011 (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 352 *Phyllonorycter shreberella*** – Recorded in 1980 (AAA) and as larvae 2011 (SH, SHi). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 353 *Phyllonorycter ulmifoliella*** – Recorded 5 times as larvae and leaf-mine 2011 (SH, SHi) and leaf-mine 2015 (SH). [Studland 2]. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 354 *Phyllonorycter emberizaepenella*** – Recorded as larvae twice in 2011 (SH, SHi). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 356 *Phyllonorycter tristrigella*** – Recorded in 2002 (AS), and as larva in 2011 (SH, SHi). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 357 *Phyllonorycter stettinensis*** – 1980 (AAA) and 3 times as larvae and leaf-mine 2011 (SH, SHi). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 359 *Phyllonorycter nicellii*** – Recorded 4 times as larvae and leaf-mine 2011 (SH, SHi). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 360 *Phyllonorycter klemannella*** – Recorded in 1980 (AAA), 2002 (AS) and as larvae 4 times in 2011 (SH, SHi). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 361 *Phyllonorycter trifasciella*** – 1980 (AAA) as larvae and leaf-mine 2011 (SH, SHi), 2014 (AG, CT). [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 363 *Phyllonorycter joannisi*** – Recorded as larvae 2011 (SH, SHi). Also known as *P. platanoidella*. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 364 *Phyllonorycter geniculella*** – Recorded 1980 (AAA), 3 times as larvae and leaf-mine 2011 (SH, SHi). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 371 Lunar Hornet Moth *Sesia bembeciformis*** – On 1983 species list – no details. Adult 2005 freshly emerged (CT et al). Apparent larval holes in Willows often found, so a population believed to exist. [Studland 1]. No records on Living Record for Poole Harbour 2000-2019. A new pheromone lure available from 2020 is likely to rapidly increase recording and knowledge of this species.
- 379 Red-belted Clearwing *Synanthedon myopaeformis*** – One on 28th July 1979 recorded by AB, the only definite record. Not recorded on Living Record 2000-2019.
- 380 Red-tipped Clearwing *Synanthedon formicaeformis*** (Notable b) – Single record, July 1979 (AB). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 385 *Anthophila fabriciana*** – 1978 and 1980 (AAA) described as extremely common on nettles. 2002 (AS). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 391 *Glyphipterix simplicella*** (Cocksfoot Moth) – 1980 (AAA), 2014 (AG, CT). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 396 *Glyphipterix fuscoviridella*** – Recorded 1980 (AAA). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 397 *Glyphipterix thrasonella*** – Recorded 7 times since 2013 (AG, CT et al). [Studland 1 and 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 409 *Argyresthia ivella*** (Notable b) – Single record 2014 (DF, AG). This record does not appear on the Dorset Moth Group maps and may constitute the only recent record in Dorset.
- 410 *Argyresthia brockeella*** – Recorded 1980 (AAA) and 60 times since 2011, coming frequently to light. [Studland 2]. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 411 *Argyresthia goerdartella*** – Recorded 1980 (AAA), 2000 (AD) and 115 times since 2009, [Studland 1 and 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 412 *Argyresthia pygmaella*** – Recorded 1980 (AAA). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 414 *Argyresthia curvella*** – Recorded 1981 (AAA). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 415 *Argyresthia retinella*** – Single record, 2002 (AS). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 417 *Argyresthia spinosella*** – Recorded 1980 (AAA). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 418 *Argyresthia conjugella*** – Recorded 1980 (AAA), 2014 (AG). [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 420 *Argyresthia pruniella*** (Cherry Fruit Moth) – Single record, 2000 (AD). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 422 *Argyresthia albistria*** – Single record 2009 (AS). [Studland 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 424 *Yponomeuta evonymella*** (Bird-cherry Ermine) – Recorded in 2006 and 2011 (AG, CT). Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 427 *Yponomeuta cagnagella*** (Spindle Ermine) – A record in 2015 (AG). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 200-2019.
- 437 *Swammerdamia caesiella*** – 1980 (AAA), 3 times as larvae and leaf-mine 2011 (SH, SHi). [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 438 *Swammerdamia pyrella*** – Recorded twice in 2011 (SH et al), and in 2012 (AG, CT). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 441 *Paraswammerdamia nebulella*** – Recorded 6 times since 2011. [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 442 *Cedestis gysselella*** – Single record 1981 (AAA). This is the only record for Poole Harbour.
- 443 *Cedestis subfasciella*** – Recorded 1980 (AAA), 2014 (DF, CT). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 447 *Roeslerstammia erxlebella*** – 1980 (AAA), 2000 (AD) 7 times since 2013. [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 450 *Scythropia crataegella*** (Hawthorn Moth) – Single record 2014 (AG, CT et al). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 452 *Ypsolopha nemorella*** – 1980 (AAA) twice in 2011 (SH et al), 2015 (AG). [Studland 1]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 453 *Ypsolopha dentella*** (Honeysuckle Moth) – 1981 (AAA), 2013 (AG, CT et al). [Studland 1 and 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 455 *Ypsolopha scabrella*** – Recorded twice in 2011 (SH et al). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 460 *Ypsolopha parenthesella*** – Recorded 1980 (AAA), 6 times since 2009. [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 461 *Ypsolopha ustella*** – Recorded twice, 1980 (AAA), 2009 (AS). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 464 *Plutella xylostella*** (Diamond-back)– Recorded 1980 (AAA), 2002 (AS), 108 times since 2006. [Studland 1 and 2]. Records from 46 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 472 *Digitivala pulicariae*** – Recorded 1980 (AAA) and twice in 2016 (AG, CT). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 484 *Epermenia aequidentellus*** (Notable a) – Single record 2015 (AG), confirmed (PS). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 485 *Shreckensteinia festaliella*** – Recorded 1980 (AAA). This is the only known record for Poole Harbour.
- 490 *Coleophora lutipennella*** – Recorded in 1978 (larva) and 1980 (AAA) and twice as larval case, 2011 (SH et al). [Studland 2]. No records elsewhere in Poole Harbour on Living Record 2000-2019.
- 491 *Coleophora gryphipennella*** – Recorded 1980 (AAA). No records from elsewhere in Poole Harbour on Living Record 2000-2019.
- 493 *Coleophora serratella*** – Recorded 1978 and 1980 (AAA), 4 times since, last 2013 (PS). Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 496 *Coleophora milvipennis*** – Larval cases found 3 times in 2011 (SH, SHi). [Studland 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 501 *Coleophora siccifolia*** (Notable b) – Recorded 1980 (AAA). The only known record from Poole Harbour.
- 504 *Coleophora lusciniapennella*** – Recorded 1980 (AAA). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 518 *Coleophora mayrella*** – Single record 2011 (SH et al). Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record in 2020.
- 523 *Coleophora hemerobiella*** – Recorded 1980 (AAA). Dorset Moth Group website records no recent records for this species.
- 541 *Coleophora pyrrhulipennella*** – Recorded 1980 (AAA) and as larval case 2011 (SH, SHi). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 544 *Coleophora albicosta*** – Recorded 1980 (AAA). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 584 *Coleophora alticolella*** – Recorded 1980 (AAA). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 640 *Batia lunaris*** – First recorded, 3 times, in 2011 (SH et al), 12 times since. [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 642 *Crassa unitella*** – First recorded 1978 and 1980 (AAA), 15 since 2011. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 644 *Borkhausenia fuscescens*** – Recorded 1980 (AAA). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 646 *Telechrysis tripuncta*** (Notable b) – Single record 2013 (AG). This is the only known record for Poole Harbour of this distinctive species.
- 647 *Hofmanophila pseudospretella*** (Brown House-moth) – Recorded 1980 (AAA), 2002 (AS) 26 times since 2011. [Studland 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 648 *Endrosis sarcitrella*** (White-shouldered House-moth) – 4 records, first in 2009 (AS). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 649 *Esperia sulphurella*** – 1980 (AAA), 2010, 3 times since. [Studland 1]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 656 *Tachystola acroxantha*** – 51 records, first in 2011. [Studland 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 658 *Carcina quercana*** – Recorded 1980 (AAA), 89 further records since 2008. [Studland 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 663 *Diurnea fagella*** – Records from 2014 (AG) and 2015 (CT et al). [Studland 1 and 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 692 *Agonopterix subropinquella*** – Single record 2015 (SH et al). This is the only known record for Poole Harbour.
- 697 *Agonopterix arenella*** – Recorded 1980 (AAA), as larva 2000 (AD), 2002 and 2009 (AS), 2013. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 701 *Agonopterix ocellana*** – Single record 2009 (AS). [Studland 1 and 2]. Record from 1km square SZ0288 on Living Record in 2019. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 710 *Agonopterix conterminella*** – Recorded 1980 (AAA). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 714 *Agonopterix yeatiana*** – Single record 2009 (AS). [Studland 2]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 724 *Metzneria lapella*** – Recorded 2011 (SH et al) and 2015 (AG, CT). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 728 *Monochroa cytisella*** – First recorded 2013, 14 records since. [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 746 *Chrysoesthia drurella*** – Recorded 1980 (AAA). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. May constitute the only Poole Harbour record.

- 748 *Ptocheuusa paupella*** – Recorded 1980 (AAA). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 752 *Aristotelia ericinella*** – Recorded 1980 (AAA), 2011 (SH et al). [Studland 2]. Quite likely to be on the Heathblock. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 762 *Athrips mouffetella*** – Recorded 2012 (AG, CT). [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 770 *Carpatolechia proximella*** – Recorded 29 times in 2015 and 2016. [Studland 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 772 *Carpatolechia fugitivella*** – Single record 2009 (AS). The only known record in Poole Harbour, the species has Elm spp. as foodplant.
- 774 *Teleiodes luculella*** – 2 records, 2014 (AG), 2016 (CT et al). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 779 *Bryotropha affinis*** – Recorded twice in 2011 (SH et al) and twice in 2015 (SH et al). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 782 *Bryotropha senectella*** – Recorded 2015 (SH et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 787 *Bryotropha terrella*** – Single record 2009 (AS). [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 792 *Mirificama mulinella*** – Recorded 7 times in 2009 (AS). [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 797 *Neofaculta ericetella*** – Recorded 2011 (DF et al). [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 811 *Scrobipalpa samadensis*** (Notable b) – Recorded 1980 (AAA). This is the only known record for Poole Harbour.
- 819 *Scrobipalpa costella*** – Recorded 2002 (AS), 6 times since 2012. [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 822 *Scrobipalpa acuminatella*** – Single record 2015 (SH, AS et al). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 853 *Anacamptis populella*** – Recorded 1978 (adult) and 1980 (AAA). [Studland 1]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 854 *Anacamptis blatteriella*** – Recorded 1980 (AAA). [Studland 1]. No other records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 858 *Hypatima rhomboidella*** – Recorded 1980 (AAA), 4 times since 2014. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 866 *Brachmia blandella*** – Recorded 1980 (AAA) and 32 times since 2011. [Studland 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 870 *Oegoconia quadripunctata*** – Five records from 2012 and 2015 (AG, CT et al). One on Living record 1km grid-square SZ0288 for 2019. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

873 *Blastobasis adustella* – Recorded 1980 (AAA), 2000 (AD), 105 times since 2009. [Studland 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

874 *Blastobasis lacticolella* – 19 records, first in 2009 (AS). [Studland 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

877 *Stathmopoda pedella* (Notable b) 1978 (adult) and 1980 (AAA), 8 records since 2012. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

878 *Batracheda praeangusta* – Recorded 1980 (AAA). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

882 *Mompha locupletella* – Recorded 1980 (AAA). No Records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

883 *Mompha raschkiella* – Recorded 1980 (AAA) and as larvae 2011 (SH, SHi). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

891 *Mompha sturnipennella* (Notable b) – 2 in 2006 (DF, AG, CT). This may constitute the only Poole Harbour record.

893 *Mompha epilobiella* – Recorded 1980 (AAA). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

898 *Limnaecia phragmitella* – 3 records in 2016 (AG, CT). [Studland 1 and 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

917 *Scythris empetrella* (RDB) – Single record, 3 in 2011 (SH et al). This would constitute the only record in Poole Harbour.

921 *Phtheochroa inopiana* – Recorded 2011 (SH et al), 2015 (AG – det. PS). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

929 *Gynnidomorpha vectisana* – Recorded 1980 (AAA). This is the sole Poole Harbour record.

937 *Agapeta hamana* – First recorded 2002 (AS), 9 times since. [Studland 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

938 *Agapeta zoegana* – Recorded twice in 2014 (AG, CT). Record from Living Record in 2019. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

945 *Aethes cnicana* – First recorded 2013 (AG), 12 times since. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

946 *Aethes rubigana* – Recorded 2002 (AS), 2012 and twice in 2015. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

947 *Aethes smeathmannia* – Single record 2002 (AS). The only known record for the species in Poole Harbour.

951 *Aethes beatricella* – Recorded 2002 (AS) and twice in 2014 (AG, CT). Recorded from 1 other 1km square elsewhere in Poole Harbour in 2020. Feeds on Hemlock.

954 *Eupoecilia angustana* – Single record from the heath in 2014 (DF, CT). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

965 *Cochylis hybridella* – Single record 2011 (SH et al). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 966 *Cochylis atricapitana*** – First recorded 2009 (AS), 16 times since. [Studland 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 968 *Cochylis nana*** – Recorded 2015 (AG) and 2016 (AG, CT). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 969 *Pandemis corylana*** (Chequered Fruit-tree Tortrix) – First recorded 2000 (AD), 82 times since. [Studland 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 970 *Pandemis cerasana*** (Barred Fruit-tree Tortrix) – First recorded 2002 (AS), 95 records since. [Studland 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 972 *Pandemis cinnamomeana*** – 2 records from 2014 (DF, CT). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 972 *Pandemis heparana*** (Dark Fruit-tree Tortrix) – A single record from 2011 (CT). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 977 *Archips podana*** (Large Fruit-tree Tortrix) – Recorded 1978 and 1980 (AAA), 2002 (AS) and 11 times since 2013. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 980 *Archips xylosteana*** (Variegated Golden Tortrix) – 2 records in 2013 (AG, CT). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 983 *Choristoneura hebenstreitella*** – Single record 2014 (AG). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 985 *Cacoecimorpha pronubana*** (Carnation Tortrix) – Recorded 1978 and 1980 (AAA). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 986 *Syndemis musculana*** – Recorded 1980 (AAA), 5 times since 2011. [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 993 *Clepsis spectrana*** (Cyclamen Tortrix) – Single record 2011 (CT). [Studland 1 and 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 994 *Clepsis consimilana*** – Recorded 1981 (AAA) and 2012 (AG, CT). [Studland 2]. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 998 *Epiphyas postvittana*** (Light Brown Apple Moth) – First recorded 2000 (AD), 71 times since. Records from 42 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1000 *Ptycholoma lecheana*** – Recorded 1980 (AAA). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 1001 *Lozotaeniodes formosana*** – First recorded 2002 (AS), 52 times since. [Studland 2]. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1002 *Lozotaenia forsterana*** – Single record 2013 (CT et al). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1006 *Epagoge grotiana*** – First recorded 2012 (CT et al), 26 times since. [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1007 *Capua vulgana*** – Recorded twice in 2002 (AS). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1010 *Ditula angustiorana* (Red-barred Tortrix) – Recorded 1980 (AAA), 2002 (AS) and 25 times since. [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1011 *Pseudagyrotoza conwagana* – Recorded 1980 (AAA), 2002 (AS) and 2011 once but an influx in 2014 with 23 records of between 1 and 6 in traps. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1032 *Aleimma loeflingiana* – Recorded 1980 (AAA) and 4 times since 2002. [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1033 *Tortrix viridana* (Green Oak Tortrix) – Recorded 1980 (AAA), 1980's and 1990's (KGC). 23 records since 2000. [Studland 1 and 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1034 *Spatalistis bifasciana* – Single record, 2002 (AS). [Studland 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1036 *Acleris forsskaleana* – Recorded twice in 2014 (DF et al) and twice in 2016 (CT). Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1037 *Acleris holmiana* – Single record 2011 (SH et al). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1038 *Acleris laterana* – First recorded 2002 (AS), 8 records since 2011. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1039 *Acleris comariana* (Strawberry Tortrix) – Recorded twice in 2009 (AS). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. This species and the one above are usually aggregated.

1041 *Acleris sparsana* – Recorded 6 times, all in 2015 (SH et al). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1045 *Acleris notana* – Recorded 1980 (AAA), 4 times since 2014. Should be recorded as aggregate with *Acleris ferrugana* as no distinction recorded. [Studland 2]. Recorded as *ferrugana/notana*. Records (of the aggregate species) from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1048 *Acleris variegana* (Garden Rose Tortrix) – Recorded 1981 (AAA) and 2016. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1050 *Acleris kochiella* – Recorded 4 times since 2013 (CT, AG et al). [Studland 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1053 *Acleris hastiana* – Recorded as larva 1981 (AAA) and in 2014 (AG). [Studland 1 and 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1054 *Acleris cristana* – Single record from the Heathblock 2009 (DF et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1055 *Acleris hyemana* – Recorded twice in 2014 (AG) and in 2015 (CT, AG). [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1061 *Acleris literana* – Recorded 2009 (DF, AG, CT) and twice in 2015 (SH et al). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1062 *Acleris emargana* – Recorded 1980 (AAA) and 5 times since 2013. [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1063 *Celypha striana* – Single record 2014 (DF, AG). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1068 *Celypha rivulana* – Single record 2014 (DF, AG). [Studland 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1076 *Celypha lacunana* – Recorded 1980 (AAA), 2002 (AS) and 15 times since. [Studland 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1079 *Piniphila bifasciana* – First recorded 2002 (AS), 85 records since. [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1082 *Hedya pruniana* (Plum Tortrix) – Single record 2013 (CT et al). [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1083 *Hedya nubiferana* (Marbled Orchard Tortrix) – Recorded twice in 2011 (SH et al). [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1086 *Hedya salicella* – Single record 2016 (CT). [Studland 1 and 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1087 *Orthotaenia undulana* – Recorded, as larva, 1978 (AAA) and in 1980 (AAA). [Studland 1 and 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1092 *Apotomis turbidana* – First recorded 2002 (AS), 35 times since. [Studland 1 and 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1093 *Apotomis betuletana* – Recorded 1980 (AAA), 2009 (AS), 14 times since. [Studland 1 and 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1094 *Apotomis capreana* – First recorded 2002 (AS), 8 times since. [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1108 *Lobesia abscisana* – Single record 2015 (AG), accepted by PS. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1111 *Bactra lancealana* – Recorded 1980 (AAA), 2000 (AD), 150+ times since. [Studland 1 and 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1112 *Bactra robustana* (Notable b) – Single record 2016 (AG, CT et al). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1113 *Eudemis profundana* – Single record 2011 (SH et al). No records for any 1km squares on Living Record 2000-2019.

1120 *Ancylis mitterbacheriana* – Single record 2014 (DF, AG). Record on Living Record from 1km square SZ0288 in 2018. [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1123 *Ancylis laetana* – Single record 2001 (AS). [Studland 1 and 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1133 *Epinotia bilunana* – First recorded, 5 times, in 2002 (AS), 32 times since. [Studland 1 and 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1134 *Epinotia ramella* – First recorded, as adult, 1981 (AAA), 26 records since 2009. [Studland 1 and 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1135 *Epinotia demarniana* – Recorded twice in 2014 (DF, AG). May constitute the only Poole Harbour record for the species.

1136 *Epinotia immundana* – First recorded 1980 (AAA), 18 records since 2009. [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1138 *Epinotia nisella* – First recorded 1980 (AAA), 13 records since 2009. [Studland 1 and 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1139 *Epinotia tenerana* (Nut Bud Moth) – Recorded 1980 (AAA), 2002 (AS), 2014 (AG) and 2016 (AG, CT et al). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1151 *Epinotia trigonella* – Single record 2014 (AG) is unverified. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1154 *Epinotia caprana* – Single record 2009 (AS). [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1156 *Epinotia solandriana* – Recorded 1980 (AAA). [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019, though historic records exist.

1165 *Zeiraphera isertana* – First recorded 2009, 14 times since. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2020.

1168 *Gypsonoma sociana* – Single record 2002 (AS). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1169 *Gypsonoma dealbana* – First recorded 2009 (AS), 14 records since. [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1174 *Notocelia cynosbatella* – Recorded 1980 (AAA), 6 times since 2011. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1175 *Notocelia uddmanniana* (Bramble Shoot Moth) – Recorded 1981 (AAA), 10 times since 2013. [Studland 1 and 2]. Records from 32 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1177 *Notocelia rosaecolana* – Single record 2014 (AG, CT et al). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1183 *Epiblema foenella* – Recorded twice in 2015 (AG, CT et al). Record on Living Record for 1km grid-square SZ0288 in 2015. No records away from Brownsea.

1184 *Epiblema scutulana* – Recorded 1980 (AAA), 2002 (AS), 7 times since 2009. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1197 *Eucosma campoliliana* – Single record 2013 (AG, CT). [Studland 1]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1200 *Eucosma hohenwartiana* – Single record 2011 (SH et al). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1201 *Eucosma cana* – First recorded 2002 (AS), 23 records since. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1205 *Spilonota ocellana* (Bud Moth) – Single record 2016 (CT). [Studland 1 and 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1206 *Clavigesta sylvestrana* (Notable a) – Recorded 8 times since 2009. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1207 *Clavigesta purdeyi* (Pine Leaf-mining Moth) – Recorded 4+ times in 2011 (SH et al). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1210 *Rhyacionia buoliana* (Pine Shoot Moth) – Recorded 2013 (AG, CT et al). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1211 *Rhyacionia pinicolana* – Recorded 1980 (AAA), 2002 (AS), 70 times since. [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1212 *Rhyacionia pinivorana* (Spotted Shoot Moth) – 73 records since 2013. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1216 *Enarmonia formosana* (Cherry Bark Tortrix) – Single record 2011 (DF et al). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1217 *Eucosmomorpha albersana* – Recorded 1980 (AAA). [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1222 *Strophedra weirana* – Recorded as leaf-mine 2011 (SH, SHi). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1229 *Pammene albuginana* – Single record 2002 (AS). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1233 *Pammene aurita* – Single record 2015 (AG). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1236 *Pammene fasciana* – First recorded 2011 (CT, AG et al), 3 since. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1255 *Cydia ulicetana* – Recorded 1978 and 1980 (AAA), 2000 (AD) and twice in 2002 (AS). [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1257 *Cydia nigricana* (Pea Moth) – Single record 2014 (AG, CT et al). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1260 *Cydia splendana* – 1980 (AAA), 2000 (AD), 110 times since. [Studland 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1261 *Cydia pomonella* (Codling Moth) – Single record 2011 (SH et al). [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1262 *Cydia amplana* – First recorded, twice, in 2012 (AG, CT), 4 times since 2012. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1268 *Cydia coniferana* (Notable b) – Single record 2009 (AS). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1288 *Alucita hexadactyla* (Twenty-plume Moth) – Recorded 1978 and 1980 (AAA), 78 records since 2009. [Studland 1 and 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1290 *Chilo phragmitella* – First recorded 2000 (AD), 50 records since. [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1292 *Calamotropha paludella* – First recorded 2002 (AS), 6 since. [Studland 1 and 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1293 *Chrysoteuchia culmella* – Recorded 1980 (AAA), 1991, 1993 (KGC), 180+ times since 2002. [Studland 1 and 2]. Records from 44 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1294 *Crambus pascuella* – First recorded 2009, 26 times since. [Studland 1 and 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1296 *Crambus silvella* (RDB) – First recorded 2000 (AD), 4 times since. [Studland 1 and 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1297 *Crambus uliginosellus* (Notable b) – Recorded twice in 2002 (AS) and 2014 (CT et al). [Studland 1 and 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1299 *Crambus hamella* (Notable b) – First recorded 2005 (DF et al), 4 times since. [Studland 1]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1300 *Crambus pratella* (Notable b) – 3 records; 2005 (CW, CT) and twice in 2015 (AG and CT). [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. These records are unverified.

1301 *Crambus lathoniellus* – Single record 2015 (CT). [Studland 1 and 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1302 *Crambus perlella* – First recorded 2004 (CW), 7 since. [Studland 1 and 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1303 *Agriphila selasella* – Recorded 8 times since 2005. [Studland 1]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1304 *Agriphila straminella* – First recorded 2004, 113 records since. [Studland 1 and 2]. Records from 41 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1305 *Agriphila tristella* – First recorded 1980 (AAA), 68 times since. [Studland 1 and 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1306 *Agriphila inquinatella* – First recorded 2000 (AD), 98 times since. [Studland 1 and 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1307 *Agriphila latistria* – First recorded 2005, 27 records since. [Studland 1 and 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1309 *Agriphila geniculea* – Recorded 1980 (AAA), 30 times since 2004. [Studland 1 and 2]. Records from 27 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1313 *Catoptria pinella* – First recorded 1980 (AAA), 1993 (KGC), 16 times since 2004. [Studland 1 and 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1316 *Catoptria falsella* – First recorded 2000 (AD), 64 times since. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1323 *Pediasia contaminella* (Notable b) – Recorded twice in 2014 (AG, CT). Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1328 *Schoenobius gigantella* – First recorded 2005 (CW), 6 times since 2011. [Studland 1]. Four of the records by SH and GD. Recorded from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1329 *Donacaula forficella* – Recorded 11 times since 2011. [Studland 1]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1330 *Donacaula mucronella* (Notable b) – Recorded twice in 2013 (CT et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1331 *Acentria ephemerella* (Water Veneer) – Recorded 1991 (KGC), 2005 (CT), 2012 (AG, CT). Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1332 *Scoparia subfusca* – Recorded 12 times since 2013. [Studland 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1333 *Scoparia pyralella* – Single record 2005 (CT, CW). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1334 *Scoparia ambigualis* – First recorded 2002 (AS), 15 times since. [Studland 1 and 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1336 *Eudonia pallida* – First recorded 1978 and 1980 (AAA), 2000 (AD), 29 times since [Studland 1 and 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1338 *Eudonia lacustrata* – Recorded 44 times since 2011. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1340 *Eudonia truncicolella* – First recorded 1980 (AAA), 133 records since 2000. [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1342 *Eudonia angustea* – First recorded 2008 (DF et al), 96 records since. [Studland 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1343 *Eudonia delunella* (Notable b) – Recorded 1980 (AAA), 2015 (AG, CT et al). [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1344 *Eudonia mercurella* – First recorded 1994 (KGC), 159 times since 2000. [Studland 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1345 *Elophila nymphaeata* (Brown China-mark) – Recorded 1980 (AAA), 1986 (KGC), 230 times since 2002. [Studland 1 & 2]. Records from 31 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1348 *Parapoynx stratiotata* (Ringed China-mark) – Recorded 2009 (AS), twice in 2014 (AG, CT et al). [Studland 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1350 *Nymphula nitidulata* (Beautiful China-mark) – Recorded 1992 (KGC), 2005 (CW), 2015 (AG, CT et al). [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1354 *Cataclysta lemnata* (Small China-mark) – Recorded 2000 (AD), 160 times since. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1356 *Evergestis forficalis* (Garden Pebble) – First recorded 2002 (AS), 5 since. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1357 *Evergestis extimalis* – Single record 2008 (DF et al). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1358 *Evergestis pallidata* – A single record from 2005 (CW). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1361 *Pyrausta aurata* – First recorded 2003 (CW), 7 records since. [Studland 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1362 *Pyrausta purpuralis* – First recorded 2010 (AG, CT), 5 records since. [Studland 1]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1365 *Pyrausta despicata* – 4 records, first in 2006 (DF et al). [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1375 *Ostrinia nubilalis* (European Corn-borer) – 6 records, first in 2011 (SH et al). Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1376 *Anania hortulata* (Small Magpie) – Recorded 1978 and 1980 (AAA), 44 times since. [Studland 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1377 *Anania lancealis* – Recorded 1978 on Hemp Agrimony, and 1980 (AAA), 2011 and 2015. [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1378 *Anania coronata* – 5 records, first in 2006 (DF et al). [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1385 *Anania crocealis* – 2 records: 2008 (DF et al), 2016 (AG, CT et al). Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1388 *Udea lutealis* – 6 records, first recorded 2009 (AS). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1389 *Udea fulvalis* – Recorded in 2013 (AG, CT) and four times in 2016. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1390 *Udea prunalis* – Recorded 3 times in 2014 (DF, AG, CT et al). [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1392 *Udea olivalis* – Single record 2005 (CT, CW). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1395 *Udea ferrugalis* (Rusty-dot Pearl) – First recorded 1980 (AAA), 2000 (AD), then 95 times since 2002. [Studland 1 and 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1398 *Nomophila noctuella* (Rush Veneer) – 139 records, first recorded 1980 (AAA), then 2000 (AD). [Studland 1 and 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1403 *Diasemiopsis ramburialis* – 1 photographed 30th August 2014 (AG, CT et al), verified by PS. The species is a rare migrant in Dorset. There is one other Harbour record, from Studland in 1987.



Fig.2 *Diasemiopsis ramburialis*

1405 *Pleuroptya ruralis* (Mother of Pearl) – First recorded 1980 (AAA), 87 records since. [Studland 1 and 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1408 *Palpita vitrealis* – Recorded twice in 2014 (CT, AG et al) and in 2015. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



1410 *Agroteta nemoralis* (RDB) – A run of 5 records in 2016 strongly suggests a breeding population recently established on the Island. Larval searches on Hornbeam around the Vinery were unsuccessful. An additional record from Living Record from 1km square SZ0288 in 2019. Brownsea is the only site in Poole Harbour where the species has been recorded.

Fig.3 *Agroteta nemoralis*

1413 *Hypsopygia costalis* (Gold Triangle) – First recorded 1980 (AAA), 12 times 1986-1997 (KGC), 12 times since 2004. [Studland 1]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1414 *Synaphe punctalis* – 187 records since first in 2004. [Studland 1 and 2]. Records from 42 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1415 *Hypsopygia glaucinalis* – First recorded 1991 (KGC), 19 times since 2004. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1417 *Pyralis farinalis* (Meal Moth) – 2 records: 2010 in the Villa (AG, CT) and 2013. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1424 *Endotricha flammealis* – First recorded 1993 (KGC), then 162 records since 2004. [Studland 1 and 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1425 *Galleria mellonella* (Wax Moth) – 2 records from 2006 (DF et al). On Living Record 1km grid-square SZ2088 for 2018. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1426 *Achroia grisella* (Lesser Wax Moth) – One on 30th August 2013 (CT) is assumed to be a migrant. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1428 *Aphomia sociella* (Bee Moth) – Recorded 1978 and 1980 (AAA), 1996 (KGC) and 28 times since 2002. [Studland 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1432 *Anerastia lotella* – Single record 2016 (AG) is assumed to have originated from Studland. [Studland 1 and 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1433 *Crytoblabes bistriga* – First recorded 2006 (DF et al), 67 records since. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1437 *Acrobasis consociella* – 5 records, first in 2011. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1438 *Acrobasis suavella* – Recorded 5 times since 2014 despite scarcity of Blackthorn on the island. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1439 *Acrobasis advenella* – First recorded 2000 (AD) then 8 records since 2009. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1441 *Oncocera semirubella* (Notable b) – 35 records, first in 2004 (CT, CW). [Studland 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1442 *Pempelia palumbella* – Recorded twice in 1986 (KGC), 2005 and 3 times in 2013. [Studland 1 and 2]. Records from 37 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1443 *Pempelia genistella* – First recorded 2011 (SH et al), 7 times since. [Studland 1 and 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1451 *Matilella fusca* (formerly *Pyla fusca*) – Single record 2011 (SH et al). [Studland 1]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1452 *Phycita roborella* – First recorded 2002 (AS), 43 times since. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1454 *Dioryctria abietella* – Recorded 1986 and 1987 (KGC), 2002 (AS), 90 times since. [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1455 *Dioryctria simplicella* – First recorded 2006 (DF et al), 54 times since. [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1458 *Myelois circumvoluta* (Thistle Ermine) – Recorded 5 times in 1990's (KGC), 5 times since 2000. [Studland 1]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



1464 *Gymnancyla canella* (Notable a) – 3 records from 2012. Larval search at Seymer's on Prickly Saltwort was not successful but recent extensive colonisation by the plant suggests the moth may be resident. [Studland 1 and 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. This moth made it into BBC News, see article:

[Gymnancyla canella moth found on Brownsea Island - BBC News](#)

Fig.4 *Gymnancyla canella* ©Martin Cade (Dorset Moths)

1470 *Euzophera pinguis* – 2 records: 2005 (CW), 2015 (SH et al). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1473 *Ephestia elutella* (Cacao Moth) (Notable b) – Single record, 2 in 2016 (CT et al). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1474 *Epehestia woodiella* (formerly *Epehestia unicolorella*) – Recorded 3 times in 2016 (AG, CT et al). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1481 *Homoesoma sinuella* – Single record, 2 in 2002 (AS). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1483 *Phycitodes binaevella* – First recorded 2002 (AS), 5 since. [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1484 *Phycitodes saxicola* – Four records in 2006 (DF et al). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1485 *Phycitodes maritima* – Single record 2011 (SH et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1488 *Agdistis bennetii* (Saltmarsh Plume) – First recorded 1980 (AAA), 9 records since 2011. [Studland 1]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 1495 *Marasmarcha lunaedactyla*** (Crescent Plume) – Recorded 2013 (AG, CT et al) and 2014 (DF, AG). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1497 *Amblyptilia acanthadactyla*** (Beautiful Plume) – First recorded 2009 (AS), 9 records since. [Studland 1 and 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1498 *Amblyptilia punctidactyla*** (Brindled Plume) – Single record 2016 (AG, CT). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1509 *Stenoptilia pterodactyla*** (Brown Plume) – Single record 2016 (CT). Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1524 *Emmelina monodactyla*** (Common Plume) – 4 records, first in 1980 (AAA). [Studland 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1631 December Moth *Poecilocampa populi*** – Single record: 1962-64 (AB). [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1634 Lackey *Malacosoma neustria*** – 1962-64 (AB), 50 since. **UK BAP priority species, declined 90% 1975 – 2010.** [Studland 1 and 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1637 Oak Eggar *Lasiocampa quercus*** – Only 2 records: 1962-64 (AB), 2004 (CW). [Studland 1]. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1638 Fox Moth *Macrothylacia rubi*** – 7 records. First recorded 1963. [Studland 1 and 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1640 Drinker *Euthrix potatoria*** – Very common. 240 records. [Studland 1 and 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1642 Lappet *Gastropacha quercifolia*** – 2 records: 1962-64 (AB), 2008 (DF et al). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1643 Emperor *Saturnia pavonia*** – On 1983 species list, no details. Populations probably existed in the 1970's and later (KGC pers. comm.) and it may still be on the Heathblock. [Studland 1 and 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1645 Scalloped Hook-tip *Falcaria lacertinaria*** – Common, 215+ records. [Studland 1 and 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1646 Oak Hook-tip *Watsonalla binaria*** – First recorded 1962-64 (AB), 33 times since. **UK BAP species, declined 81% 1975 – 2010.** [Studland 2]. Records from 27 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1647 Barred Hook-tip *Watsonalla cultraria*** – 5 records: 1963 (G.F. Dollimore), 1962-4 (AB), three more since 2004 (CW, CT). There are small areas of mature Beech on the Island. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 1648 Pebble Hook-tip *Drepana falcatera falcatera*** – Very common: 380+ records. [Studland 1 and 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1651 Chinese Character *Cilix glaucata*** – Included in 1980's species list without specific record. Recorded 6 times since 2006. [Studland 1 and 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1652 Peach Blossom *Thyatira batis* – 11 records: 1962-64 (AB), 1981 (AAA), 9 since 2002. [Studland 1 and 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1653 Buff Arches *Habrosyne pyritoides* – 1962-64 (AB), 59 records since. [Studland 1 and 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1654 Figure of Eighty *Tethea ocellaris octogesimea* – 14 records: 1962-64 (AB), 4 in 1990's, 9 since 2003. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1656 Satin Lutestring *Tetheella fluctuosa* – Single record; 1964 (AB) “behind quay cottages”. Few Dorset records so assumed migrant. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1657 Common Lutestring *Ochropacha duplaris* – First recorded 2002 (AS), 42 since. Apparently becoming commoner. [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1659 Yellow-horned *Achlya flavicornis scotia* – Common. 20+ records of 1-2 individuals. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1663 March Moth *Alsophila aescularia* – 7 records: 1962-64 (AB) then 6 times since 2014. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1665 Grass Emerald *Pseudoterpna pruinata* – Recorded in 1963, 1967 (AB) and 1980 (AB). [Studland 1 and 2]. Records from 32 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1666 Large Emerald *Geometra papilionaria* – 80 records. First 1962-64 (AB). [Studland 1 and 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1667 Blotched Emerald *Comibaena bajularia* – Single record 2008 (CT, AG). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1669 Common Emerald *Hemithea aestivaria* – 1962-64 (AB), 75 since. [Studland 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1673 Small Emerald *Hemistola chrysoprasaria* – First recorded 1993 (KGC), 14 since. **UK BAP species, declined 82% 1975 – 2010.** [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1674 Little Emerald *Jodis lactearia* – On 1980's species list with no details. 1993 (KGC), 9 since 2002. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1675 Dingy Mocha *Cyclophora pendularia* (RDB) – 8 records of this RDB species since 2005. Larval searches could be considered to look for breeding though the species is known to wander quite widely. **UK BAP species, declined 81% 1975 – 2010** [Studland 1 and 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



Fig.5 Dingy Mocha

- 1676 Mocha** *Cyclophora annularia* (Notable b) – Single record 2013 (CT et al). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1677 Birch Mocha** *Cyclophora albipunctata* – Fairly 1679 common. 1962-64 (AB), recorded 130 times since 1999. [Studland 1 and 2]. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1679 False Mocha** *Cyclophora porata* – 2 records: 1962-4 (AB), 2001 (CW) the latter is unverified. **UK BAP species, declined 77% 1975 – 2010.** [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1680 Maiden's Blush** *Cyclophora punctaria* – Very common, c.350 records. [Studland 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1681 Clay Triple-lines** *Cyclophora linearia* – 60+ records. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1682 Blood-vein** *Timandra comae* – 51 records. First 1962-64 (AB). **UK BAP species, declined 78% 1975 – 2010.** [Studland 1 and 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1689 Mullein Wave** *Scopula marginepunctata* – 1962-64 (AB), 15 records since. **UK BAP species, declined 76% 1975 – 2010.** [Studland 1]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1690 Small Blood-vein** *Scopula imitaria* – 10 records: First record 1965 (AB), 1994, 8 since 2005. [Studland 1 and 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1691 Rosy Wave** *Scopula emutaria* (Notable b) – First recorded 1964 (AB), 19 records since. [Studland 1 and 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1692 Lesser Cream Wave** *Scopula immutata* – Single record: 1992 (KGC). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1693 Cream Wave** *Scopula floslactata fluosilicate* – 1981 (AAA), 14 records since. [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1694 Smoky Wave** *Scopula ternata* – Single record 1962-64 (AB). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1699 Least Carpet** *Idaea rusticata* – 8 records from 2013 to 2016. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1702 Small Fan-footed Wave** *Idaea biselata* – Common, 130+ records. [Studland 1 and 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1705 Dwarf Cream Wave** *Idaea fuscovenosa* – First recorded 2005 (DF et al), 62 records since. Apparently increasing. [Studland 2]. Records from 32 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1707 Small Dusty Wave** *Idaea seriata* – 1962-64 (AB), 2005 (DF et al), 5 since. [Studland 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1708 Single-dotted Wave** *Idaea dimidiata* – 1962-64 (AB), 65 since. [Studland 1 and 2]. Records from 46 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1709 Satin Wave** *Idaea subsericeata* – 3 records: First in 2008 (DF et al), 2013, 2015 [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1711 Treble Brown Spot *Idaea trigeminata* – On 1980's species list, no details. 62 records since 2005. [Studland 2]. Records from 31 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1712 Small Scallop *Idaea emarginata* – Recorded in 2013 and 2014 (twice). [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1713 Riband Wave *Idaea aversata* – Very common, 320+ records. [Studland 1 and 2]. Records from 51 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1715 Plain Wave *Idaea straminata* – On 1980's species list, no details. 1994 (KGC), 6 since. [Studland 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1716 Vestal *Rhodometra sacraria* – 22 records. 1962-4 (AB), 1982 (AAA), 18 more, all since 2005. [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1718 Oblique Striped *Phibalapteryx virgata* (Notable b) – Single record: 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1719 Oblique Carpet *Orthonama vittata* – 1962-64 (AB), 2000 (AD), 3 since. **UK BAP species, declined 83% 1975 – 2010.** Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000- 2019.

1720 Gem *Nycterosea obstipata* - 1962-64 (AB). Then 6 since 2013. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1722 Flame Carpet *Xanthorhoe designata* – 18 records: On 1983 species list (no details), then recorded in 2002 (AS) and 16 times since. May be becoming more common. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1724 Red Twin-spot Carpet *Xanthorhoe spadicearia* – 40 records. First 1962-64 (AB). See comment in species below. [Studland 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1725 Dark-barred Twin-spot Carpet *Xanthorhoe ferrugata* – Recorded 4 times in 1960's and a further 107 times since 2000. However, this is a high confusion species with Red Twin-spot Carpet and the ratio seems disproportionately high, so these records should perhaps be treated with caution. However at least 20 records have experienced observers so probably should be considered not uncommon on the Island. **UK BAP species, declined 92% 1975 – 2010.** [Studland 1 and 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1727 Silver-ground Carpet *Xanthorhoe montanata montanite* – 4 records only: 1962-64 (AB), 2 in 2015, 1 in 2016. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1728 Garden Carpet *Xanthorhoe fluctuata* – 26 records: First 1962-64 (AB). [Studland 2]. Records from 31 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1731 Chalk Carpet *Scotopteryx bipunctaria* (Notable b) – Single record: July 1971 (AB). **UK BAP species due to continuing decline.** No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1734 July Belle *Scotopteryx luridata* – On 1983 species list – no details. [Studland 1]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1738 Common Carpet *Eppirhoe alternata alternata* – Fairly common 115+ records. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1739 Wood Carpet *Eppirhoe rivata* – On 1980's species list (no details), 2013 (CT). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1742 Yellow Shell *Camptogramma bilineata* – 13 records in total. 1962-64 (AB), 1981 (AAA), 6 times since 2003. [Studland 1 and 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1745 Mallow *Larentia clavaria* – Single record: 1962-64 (AB). Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1746 Shoulder Stripe *Earophila badiata* – 1963, 1962-64 (AB), 5 since 2005. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1749 Dark Spinach *Pelurga comitata* – Single record: 1962-64 (AB). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1752 Purple Bar *Cosmorhoe ocellata* – 1962-64 (AB), 1988 (KGC), 5 since 2002. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1754 Phoenix *Eulithis prunata* – 2 records: 2010 (CW), 2013 (CT). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1755 Chevron *Eulithis testata* – Recorded in 1962-64 (AB), 1994 (KGC), 2002 and 2013. Total of 7 records. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1757 Spinach *Eulithis mellinata* – 4 records: 1962-64 and 1966 (AB), 2005 (DF et al), 2013 (CT). **UK BAP species, declined 95% 1975 – 2010.** [Studland 1]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1759 Small Phoenix *Ecliptopera silaceata* – On the 1980's species list with no details. 2000 (AD) and 14 times since. **UK BAP species, declined 77% 1975 – 2010.** [Studland 2]. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1760 Red-green Carpet *Chloroclysta siterata* – Apparently increasing. First record 1998 (KGC). 67 since 2004. [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1761 Autumn Green Carpet *Chloroclysta miata* – Only recorded 1962-64 (AB). No records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1762 Dark Marbled Carpet *Dysstroma citrata citrate* – Only recorded 1962-64 (AB). No records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1764 Common Marbled Carpet *Dysstroma truncata truncata* – 1962-64 (AB), 1982 (AAA), 1993 (KGC), 31 since 2002. [Studland 1 and 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1765 Barred Yellow *Cidaria fulvata* – 2 records: 2005 (DF et al), 2014 (CT et al). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 1766 Blue-bordered Carpet** *Plemyria rubiginata rubiginata* – 4 records: 1962-64 (AB), 1990, 1996, 2013. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1767 Pine Carpet** *Pennithera firmata* – Very common: 290+ records. Records from 40 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1768 Grey Pine Carpet** *Thera obeliscata* – Very common. 1964 (AB), 500 records since. [Studland 2]. Records from 42 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1769 Spruce Carpet** *Thera britannica* – 1962-64 (AB), 2002 (AS) 45 since then. Possibly becoming more common. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1771a Cypress Carpet** *Thera cupressata* – 3 records: 2 in 2014 (CT, AG), 2016 (CT). Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1773 Broken-barred Carpet** *Eletrophaes corylata* – 1962-64 (AB), 18 times since. [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1775 Mottled Grey** *Colostygia multistrigaria* – Single record 2016 (CT). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 1776 Green Carpet** *Colostygia pectinataria* – 1962-64 (AB). Recorded again 2002 with 59 records since. Possibly increasing. [Studland 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1777 July Highflyer** *Hydriomena furcata* – Fairly common. 1962-64 (AB), 100+ since. [Studland 1 and 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1778 May Highflyer** *Hydriomena impluviata* – 1962-64 (AB), 76 Since. [Studland 1 and 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1779 Ruddy Highflyer** *Hydriomena ruberata* – 2 records: 1988 and 1998 (both KGC). [Studland 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 1781 Small Waved Umber** *Horisme vitalbata* – Single record: 2009 (AS). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1782 Fern** *Horisme tersata* – Single record 1966 (AB). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1788 Scarce Tissue** *Hydria cervinalis* – Single record: 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1789 Scallop Shell** *Hydria undulata* – 1962-64 (AB), 25 since. [Studland 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1795 November Moth** *Epirrita dilutata* – 8 records: 1962-64 (AB), 1981 (AAA), 2008 (DF et al), 5 since. No records from 1km squares elsewhere in Poole Harbour on Living Record are specific to this species though 15 squares have recorded aggregate November moth species, 2000-2019.

1796 Pale November Moth *Epirrita christyi* – 4 ascribed to this species. 1962-64 (AB). See comment above. Indeterminate November Moth *Epirrita* spp. 12 records. Records as aggregate species from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1797 Autumnal moth *Epirrita autumnata* – 8 records ascribed to this species. Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1801 Barred Carpet *Martania taeniata* (Notable a) – Single record: 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1803 Small Rivulet *Perizoma alchemillata* – 4 records: 1994, 2008 (DF et al), 2014 x 2. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1804 Barred Rivulet *Perizoma bifaciata* – 2 records: 2010 and 2012 (both CT, AG). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1806 Pretty Pinion *Perizoma blandiata blandest* – Single record: 1962-64 (AB). No records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1807 Grass Rivulet *Perizoma albulata ambulate* – 2 records both in 2016 (CT). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 96% 1975 – 2010.**

1808 Sandy Carpet *Perizoma flavofasciata* – 2 records: 1967 (AB), 2015 (CT et al). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1809 Twin-spot Carpet *Mesotype didymata dedicate* – 2 records: 1962-64 (AB), 1989 (KGC). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1811 Slender Pug *Eupithecia tenuiata* – Single record: 2010 (CW). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1814 Lead-coloured Pug *Eupithecia plumbeolata* (Notable b) – Single record: 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1816 Toadflax Pug *Eupithecia linariata* – Single record: 1962-64 (AB). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1817 Foxglove Pug *Eupithecia pulchellata parcellate* – 1962-64 (AB) then 4 records from 2015 and 2016. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1819 Mottled Pug *Eupithecia exiguata exiguata* – Single record: 2002 (AS). On Living Record there is a record for 1km grid-square SZ0288 for 2018. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1820 Pinion-spotted Pug *Eupithecia insigniata* (Notable b) – Single record 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1825 Lime-speck Pug *Eupithecia centaureata* – 16 records: 1962-64 (AB), 1982 (AAA). Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1826 Triple-spotted Pug *Eupithecia trisignaria* – Single record 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1827 Freyer's Pug *Eupithecia intricata intractata* – 2 records: 1962-64 (AB), 2015 (CT, AG). Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1830 Wormwood Pug *Eupithecia absinthiata* – Single record: 2008 on the Heathblock (DF et al). [Studland 1 and 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1833 Bleached Pug *Eupithecia expallidata* – Single record: 1967 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1834 Common Pug *Eupithecia vulgata* – First recorded 2005 (DF et al), 16 times since. [Studland 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1835 White-spotted Pug *Eupithecia tripunctaria* – 2 records: 1965 (AB) and 2008 (DF/CT/AG). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1837 Grey Pug *Eupithecia subfuscata* – 3 records in 2005 (DF et al), 1 in 2010 (DF et al). Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1838 Tawny-speckled Pug *Eupithecia icterata* – 2 records: 1962-64 (AB), 1981 (AAA). [Studland 1]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1839 Bordered Pug *Eupithecia succenturiata* – Single record 1999 (CW). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1844 Ochreous Pug *Eupithecia indigata* – First recorded 2002 (AS), 10 since. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1846 Narrow-winged Pug *Eupithecia nanata* – 35 records. First 1962-64 (AB). [Studland 1 and 2]. Records from 40 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1851 Golden-rod Pug *Eupithecia virgaureata* – Single record 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1852 Brindled Pug *Eupithecia abbreviata* – 1962-64 (AB), 2005 (CW), 52 records since. [Studland 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1853 Oak-tree Pug *Eupithecia dodoneata* – First recorded 2005 (DF et al), 24 times since. Possibly increasing. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1854 Juniper Pug *Eupithecia pusillata* – 2 records: 1962-64 (AB), 2011 (SH et al). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1855 Cypress Pug *Eupithecia phoeniceata* – First recorded 2005 (CT), 10 records since. Possibly increasing. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1857 Dwarf Pug *Eupithecia tantillaria* – Recorded in 2010 (DF et al) and 7 times in 2011. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1858 V-pug *Chloroclystis v-ata* – Recorded 7 times, all since 2004. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1860 Green Pug *Pasiphila rectangulata* – First recorded 2002 (AS), 16 times since. Apparently becoming more frequent. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1862 Double-striped Pug *Gymnoscelis rufifasciata* – Common. 160+ records. [Studland 1 and 2]. Records from 55 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1863 Dentated Pug *Anticollix sparsata* (Notable a) – Recorded 1964 (AB). Possibly single record. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1864 Streak *Chesias legatella* – Recorded twice: 1962-64 (AB), 1981 (AAA). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 78% 1975 – 2010.**

1867 Treble-bar *Aplocera plagiata* – Scarce. On 1983 species list but early records not specified. 1994 (KGC) and 4 since 2011. [Studland 1 and 2]. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1868 Lesser Treble-bar *Aplocera efformata* – Included on 1983 species list but no specific records. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1874 Dingy Shell *Euchoeca nebulata* – First recorded 2005 (DF et al), 35 records since, apparently increasingly common. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1875 Small White Wave *Asthenia albulata* – 2 in 2013 and 2 in 2015 are the only records. Another record from Living Record 1km grid-square SZ0288 in 2018. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1876 Small Yellow Wave *Hydrelia flammeolaria* – First record 2002 (AS), 30 since. Apparently increasing. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1877 Waved Carpet *Hydrelia sylvata* – Single record: 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1879 Seraphim *Lobophora halterata* – 1967 (AB), 4 more in 2011. [Studland 1 and 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1881 Early Tooth-striped *Trichopteryx carpinata* - 1962-64 (AB), 16 further records since 2009. [Studland 1 and 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1882 Small Seraphim *Pterapherapteryx sexalata* – 106 records. On 1983 species list (no details), 105 since 2005. [Studland 1 and 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1883 Yellow-barred Brindle *Acasis viretata* – Uncommon. Recorded 9 times since 2005. Both spring and autumn records. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1884 Magpie *Abraxus grossulariata* – Possibly increasing. 11 records. Recorded 1962-4 (AB) and then 10 further records since 2003. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



1885 Clouded Magpie *Abraxus sylvata* – Rare. 3 records. 1964 (AB). Trapped in 2014 and (under Elms) 2015. Given the significant Elm population along Middle Street it is possible that there is a breeding population on the Island but attempts to find the species again, targeting the Elm trees in 2016 were unsuccessful. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

Fig. 6 Clouded Magpie

1887 Clouded Border *Lomaspilis marginata* – Very common. 360+ records. [Studland 1 and 2]. Records from 43 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1889 Peacock Moth *Macaria notata* – Common, first recorded 1987 (KGC), 150+ since. [Studland 1]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1890 Sharp-angled Peacock *Macaria alternata* – Very common. 235+ records since 1964. [Studland 1 and 2]. Records from 37 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1893 Tawny-barred Angle *Macaria liturata* – Very common. 275+ records. [Studland 2]. Records from 33 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1894 Latticed Heath *Chiasmia clathrata clathrata* – Recorded on the Heathblock 2015 (CT) 4 individuals. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 87% 1975 – 2010.** [Studland 1 and 2].

1897 V-Moth *Macaria wauaria* – Single record: 1966 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. UK BAP species, declined 97% 1975 – 2010.

1902 Brown Silver-line *Petrophora chlorosata* – Very common: 245+ records. [Studland 1 and 2]. Records from 33 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1904 Scorched Wing *Plagodis dolabraria* – 90 records. First in 1963 (G.F. Dollimore). [Studland 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1905 Horse Chestnut *Pachycnemia hippocastanaria* (Notable b) – 58 records. 56 times since 2002. Apparently common on all the heaths around Poole Harbour. Records mainly from the reserve but would likely be found to be common on the Heathblock. [Studland 1 and 2]. Records from 50 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1906 Brimstone Moth *Opisthograptis luteolata* – 106 Records. [Studland 1 and 2]. Records from 50 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1907 Bordered Beauty *Epione repandaria* – 1962-64 (AB), 2004 (CW), 27 records since. [Studland 1 and 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1909 Speckled Yellow *Pseudopanthera macularia* – 2 trapped from the Heathblock in 1985 (CT) though this is a day-flying species. The main foodplant, Wood Sage has declined significantly on the island since. [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1910 Lilac Beauty *Apeira syringaria* – First recorded 1992 (KGC) then 10 records since 2005 but only recorded in 3 of those years. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1913 Canary-shouldered Thorn *Ennomos alniaria* – Very common: 230 records. [Studland 2]. Records from 43 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1914 Dusky Thorn *Ennomos fuscantaria* – 5 records: 1962-64 (AB), 1990 (KGC), 206, 2013, 2016. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 98% 1975 – 2010.** [Studland 2].

1915 September Thorn *Ennomos erosaria* – 3 records: 1962-64 (AB), 2014 (CT, AG), 2015 (CT, AG). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. UK BAP species, declined 91% 1975 – 2010.

1917 Early Thorn *Selenia dentaria* – First 1981 (AAA), 74 records since. [Studland 1 and 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 1919 Purple Thorn** *Selenia tetralunaria* – First 1967 (AB), 58 records since. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1920 Scalloped Hazel** *Odontoptera bidentata* – 31 records. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1921 Scalloped Oak** *Crocallis elinguaris* – 1962-64 (AB), 15 records since 2011. [Studland 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1922 Swallow-tailed Moth** *Ourapteryx sambucaria* – 14 records. [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1923 Feathered Thorn** *Colotois pennaria* – 1962-64 (AB). 12 further records since 2009. [Studland 2]. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1925 Small Brindled Beauty** *Apocheima hispidaria* – Single record, 1965 (AB). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 1926 Pale Brindled Beauty** *Phigalia pilosaria* – 3 records: 1965 (AB), 1981 (AAA), 1993 (KGC). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1927 Brindled Beauty** *Lycia hirtaria* – 1962-64 (AB), 6 since. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1930 Oak Beauty** *Biston strataria* – Common. First recorded 1962-4 (AB), 37 records since. [Studland 2]. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1931 Peppered Moth** *Biston betularia* – Very common, 250+ records. Approximately 20% recorded as dark form *Carbonaria*. [Studland 1 and 2]. Records from 39 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1932 Spring Usher** *Agriopsis leucophaeria* – Single record 2003 (CW). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1933 Scarce Umber** *Agriopsis aurantiaria* – Recorded 1981 and 1982 (both AAA). [Studland 1]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.
- 1934 Dotted Border** *Agriopsis marginaria* – Single record 1964 (AB). [Studland 1 and 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1935 Mottled Umber** *Erannis defoliaria* – 5 records: 1962-64 (AB), 1981 & 1982 (AAA), 1989 (KGC), 2015 (AG, CT). [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1936 Waved Umber** *Menophra abruptaria* – 2 records: 1965 (AB), 2014 (CT, AG). [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1937 Willow Beauty** *Peribatodes rhomboidaria* – Very common: 245+ records. [Studland 1 and 2]. Records from 56 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1938 Bordered Grey** *Selidosema brunnearia* (Notable a) – Single record 1964 (AB). [Studland 1]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 1939 Ringed Carpet** *Cleora cinctaria* (Notable a) – 1967 (AB), then 10 since 2011. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1941 Mottled Beauty *Alcis repandata repandata* – Common. 75+ records. [Studland 1 and 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1942 Dotted Carpet *Alcis jubata* – Single record, behind Quay cottages 1964 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1943 Great Oak Beauty *Hypomecis roboraria* (Notable b) – 3 records: 1962-64 (AB), 2003 and 2014. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1944 Pale Oak Beauty *Hypomecis punctinalis* – 2 records: 1986 (KGC), 2016 (CT, AG). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1945 Brussels Lace *Cleorodes lichenaria* – Common, apparent recent arrival. 113 records all since 2010. [Studland 1 and 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1947 Engrailed *Ectropis crepuscularia / bistortata* – Common. 130+ records since 1964. [Studland 1 and 2].

1948 Small Engrailed *Ectropis crepuscularia crepuscularia* – 15 records ascribed to this species. First 1962-64 (AB), then 2002 (AS). The species and Engrailed are now generally thought to be a single one. There is a single record on Living Record for 1km grid-square SZ0288 for 2018.

1949 Square Spot *Paradarisa consonaria* – 1962-64 (AB), 8 records since. [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1950 Brindled White-spot *Parectropis similaria* – First recorded 2002 (AS), 13 records since. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1951 Grey Birch *Aethalura punctulata* – First recorded 1962-64 (AB), 1987 and 1994 (KGC), 2010 and 4 times in 2011 (DF et al). [Studland 1]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1952 Common Heath *Ematurga atomaria* – Single record 1962-4 (AB). [Studland 1 and 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1954 Bordered White *Bupalus piniaria* – Very common. 120+ records. [Studland 1 and 2]. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1955 Common White Wave *Cabera pusaria* – Very common 340+ records. [Studland 1 and 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1956 Common Wave *Cabera exanthemata* – Very common 250+ records. [Studland 1 and 2]. Records from 33 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1957 White Pinion-spotted *Lomographa bimaculata* – Recorded twice in 2010 and 6 times in 2011 (DF et al). [Studland 1 and 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1958 Clouded Silver *Lomographa temerata* – First record 1966 (AB), 32 since. [Studland 1 and 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1959 Sloe Carpet *Aleucis distinctata* (Notable b) – Single record, 1964 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 71% 1975 – 2010.**

1961 Light Emerald *Campaea margaritaria* – Very common. 320+ records. [Studland 1 and 2]. Records from 38 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1962 Barred Red *Hylaea fasciaria* – 1962-64 (AB), 95+ since. [Studland 1 and 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1968 Yellow Belle *Aspitates ochrearia* – On 1983 species list but no details. Recorded 2008 (DF et al), 2010 and 2012. 2 records of Straw Belle in 2000 are considered likely to refer to this species (see appendix). [Studland 1]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1969 Grey Scalloped Bar *Dyscia fagaria* – 4 older records: 1962-64 (AB), 1981 (AAA) and twice in 1993 (KGC). May be on the Heathblock. [Studland 1 and 2]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1972 Convolvulus Hawk-moth *Agrius convolvuli* – First recorded 1966 (AB) then 7 further records since 2003. [Studland 1]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1973 Death's Head Hawk-moth *Acherontia atropos* – 1 in 1966 (AB), adult found dead c.2010 (not in Recorder database). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

1976 Privet Hawk-moth *Sphinx ligustri* – 1962-64 (AB), 37 records since. [Studland 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1978 Pine Hawk-moth *Sphinx pinastri* – First recorded 1963. 340 records since. The most commonly recorded Hawk-moth species. [Studland 1 and 2]. Records from 38 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1979 Lime Hawk-moth *Mimas tiliae* – First recorded 1963, 19 since. [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1980 Eyed Hawk-moth *Smerinthus ocellata* – First recorded 1962-64 (AB), 35 records since. [Studland 1 and 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1981 Poplar Hawk-moth *Laothoe populi* – Very common. 275+ records. [Studland 2]. Records from 36 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1982 Narrow-bordered Bee Hawk-moth *Hemaris tityus* (Notable b) – Single record, Villa Garden in 2010 (Bob Palmer). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species following continued decline.**

1983 Broad-bordered Bee Hawk-moth *Hemaris fuciformis* (Notable b) – Recorded 14 times. Larvae bred out in 1970 (AB), 7 records from 1980's (KGC et al). No further records until 2006 (CT, not on DERC database) then 2013 with 2 since. Larvae found by DF c.2005. [Studland 1]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1984 Hummingbird Hawk-moth *Macroglossum stellatarum* – First recorded 1962-64 (AB), 85 since. [Studland 1 and 2]. Records from 32 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



1990 Striped Hawk Moth *Hyles livornica* – Recorded 2003 (CW) and 4 times in 2006 (DF et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

Fig. 7 Striped Hawk-moth

1991 Elephant Hawk-moth *Deilephila elpenor* – Fairly common. 85 records. [Studland 1 and 2]. Records from 44 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1992 Small Elephant Hawk-moth *Deilephila porcellus* – 10 records; First in 1992 (KGC). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1994 Buff-tip *Phalera bucephala* – Very common: 370+ records. [Studland 1 and 2]. Records from 44 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1995 Puss Moth *Cerura vinula* – Uncommon. Recorded 1962-4 (AB) 6 times in 1990's and 14 times since. [Studland 1 and 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1997 Sallow Kitten *Furcula vincula* – Fairly common. First 1966 (AB), 77 since. [Studland 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1998 Poplar Kitten *Furcula bicuspis* – First recorded 1998 (KGC), 6 further records from 2015 and 2016. All these records used the now discredited external feature diagnostics. Therefore, Poplar and Sallow Kitten are now aggregated. [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1999 Lobster Moth *Stauropus fagi* – 1962-64 (AB), 59 records since. [Studland 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2000 Iron Prominent *Notodonta dromedarius* – Fairly common. 160 records. [Studland 1 and 2]. Records from 41 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2003 Pebble Prominent *Notodontia ziczac* – Fairly common 170 records. [Studland 1 and 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2005 Great Prominent *Peridea anceps* – Single record: 1962-64 (AB). On Living Record from 1km grid-square SZ0288 in 2019. This species may be under-recorded given its relatively common status in Poole Harbour. May repay surveying around the Heathblock. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2006 Lesser Swallow Prominent *Pheosia gnoma* – Very common: 520+ records. [Studland 1 and 2]. Records from 38 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2007 Swallow Prominent *Pheosia tremula* – Fairly common: 138 records. [Studland 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2008 Coxcomb Prominent *Ptilodon capucina* – Common, 107 records. First in 1962-64 (AB). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2009 Maple Prominent *Ptilodon cucullina* – Records from 1963 (G.F. Dollimore) and 1962-4 (AB) are possible errors, though it is fairly distinct. The species may not otherwise have been recorded in Dorset. Field Maple is scarce on the Island. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2010 Scarce Prominent *Odontosia carmelita* – On 1983 species list – no details. 2 in 1988 appear to be in error (wrong season), 1990 (KGC), 1995 (KGC) 2 in 2000. None since. [Studland 1]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2011 Pale Prominent *Pterostoma palpina* – 85 records since first in 1962-64 (AB). [Studland 1 and 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2015 Lunar Marbled Brown *Drymonia ruficornis* – First record 1967 (AB), 25 records since. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2019 Chocolate-tip *Clostera curtula* – Possibly increasing. Included in 1980's species list without specific record, 1986 (KGC), 32 records since 2005. [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2020 Figure of Eight *Diloba caeruleocephala* – 3 records: 1962-4 (AB), 1963 (G. Dollimore), 2014 (AG). Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

2026 Vapourer *Orgyia antiqua* – First 1963 (AB), 16 since. [Studland 1 and 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2028 Pale Tussock *Calliteara pudibunda* – Common. 80+ records. [Studland 1 and 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2029 Brown-tail *Euproctis chrysorrhoea* – Common: First recorded 1993 (KGC), 140+ since. [Studland 1 and 2]. Records from 33 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2030 Yellow-tail *Euproctis similis* – Common. 185+ records. [Studland 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2031 White Satin Moth *Leucoma salicis* – First in 1971 (AB), 1987 and 1996 (KGC), 50+ since 2004. [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2033 Black Arches *Lymantria monacha* – Very common. 250+ records. [Studland 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2035 Round-winged Muslin *Thumatha senex* – First record 1962-4 (AB). 25 further records since 2005. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2037 Rosy Footman *Mitochrista miniata* – Very common: 335 records. [Studland 1 and 2]. Records from 40 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2039 Red-necked Footman *Atolmis rubricollis* – Apparently breeding resident. Single record from 1964 (AB), 13 trapped since 2002. Most records from Venetia Park. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2040 Four-dotted Footman *Cybosia mesomella* – 1962-64 (AB), 11 records since. [Studland 1 and 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2043 Orange Footman *Eilema sororcula* – First recorded 1962-64 (AB), 67 records since. [Studland 1 and 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2044 Dingy Footman *Eilema griseola* – Very common: 260+ records. [Studland 1 and 2]. Records from 41 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2047 Scarce Footman *Eilema complana* – Common. 190+ records. [Studland 2]. Records from 43 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2049 Buff Footman *Eilema depressa* – Very common: 240+ records. [Studland 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2050 Common Footman *Eilema lurideola* – Very common: 280+ records. [Studland 2]. Records from 42 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2051 Four-spotted Footman *Lithosia quadra* – Common. 175+ records. [Studland 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2056 Wood Tiger *Parasemia plantaginis plantains* – Single record: Natural England staff, 2004. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2057 Garden Tiger *Arctia caja* – Fairly common. 45+ records. [Studland 1]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2058 Cream-spot Tiger *Arctia villica* – Single record 1962-64 (AB). [Studland 1 and 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2060 White Ermine *Spilosoma lubricipeda* – 1962-64 (AB), 100+ records since. Records from 27 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 77% 1975 – 2010.** [Studland 2].

2061 Buff Ermine *Spilosoma lutea* – Very common. 1962-64 (AB), 280+ records since. Records from 41 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 73% 1975 – 2010.** [Studland 2].

2063 Muslin Moth *Diaphora mendica* – 86 records. [Studland 2]. Records from 30 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2064 Ruby Tiger *Phragmatobia fuliginosa* – 85+ records. First 1962-64 (AB). [Studland 1 and 2]. Records from 38 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



2067 Jersey Tiger *Euplagia quadripunctaria* (Notable b) – First recorded 2009 (x2), 2013 and twice in 2016. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

Fig.8 Jersey Tiger

2068 Scarlet Tiger *Callimorpha dominula* – 29 records between 1999 and 2005, Larvae found in Villa Garden in 2005. 13 further records to 2010 but no records since then. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2069 Cinnabar *Tyria jacobaeae* – Very common on Ragwort. First recorded 1962-64 (AB) and 120 times as an adult since. Records from 47 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 83% 1975 – 2010.** [Studland 1 and 2].

2076 Kent Black Arches *Meganola albula* (Notable b) – First recorded 1962-64 (AB), 26 records since. [Studland 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2077 Short-cloaked Moth *Nola cucullatella* – 4 records 2005 (x2), 2013, 2016. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2078 Least Black Arches *Nola confusalis* – 38 records. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2079 Scarce Black Arches *Nola aerugula* – One in 2015 (CT) was apparently confirmed at Butterfly Conservation per Megan Lowe. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2080 Square-spot Dart *Euxoa obelisca grisea* (Notable b) – 1962-64 (AB) then 3 in 1999 and 2000. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2081 White-line Dart** *Euxoa tritici* – 1962-64 (AB). 20 further records since 2003. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 92% 1975 – 2010.**
- 2083 Coast Dart** *Euxoa cursoria* (Notable b) – Single record 1993 (KGC and Chris Gardener). Presumed migrant. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2085 Archer's Dart** *Agrotis vestigialis* – First in 1967. 23 subsequent records. [Studland 1 and 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2087 Turnip Moth** *Agrotis segetum* – 26 records, first in 1962. [Studland 1 and 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2088 Heart and Club** *Agrotis clavis* – Early records not documented but included in the 1983 species list. Recorded in 1992 and 1994 with a further 13 records since 2005. [Studland 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2089 Heart and Dart** *Agrotis exclamatoris* – Very common. Nearly 200 records. [Studland 1 and 2]. Records from 57 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2091 Dark sword-grass** *Agrotis ipsilon* – Common, c.100 records. [Studland 1 and 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2092 Shuttle-shaped Dart** *Agrotis puta* – Common, c. 100 records. [Studland 1 and 2]. Records from 41 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2093 Sand Dart** *Agrotis ripae* (Notable b) – First recorded 1962 and known from Seymer's salt marsh. 9 were caught there in 2002 and it has been recorded elsewhere on the island in 1986, 2005 (twice) and 2016 (twice). [Studland 1 and 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2098 Flame** *Axylia putris* – Recorded 1962-64 (AB). 9 further records. [Studland 2]. Records from 33 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2099 Portland Moth** *Actebia praecox* (Notable b) – Recorded at least twice; in 1964 and 1965, by AB at the Lagoon edge. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2102 Flame Shoulder** *Ochropleura plecta* – Very Common, 325+ records. [Studland 1 and 2]. Records from 52 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2107 Large Yellow Underwing** *Noctua pronuba* – Very common. 770+ records. [Studland 1 and 2]. Records from 72 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2108 Lunar Yellow Underwing** *Noctua orbona* (Notable b) – First recorded 1962-64 (AB). Records from 1988 (KGC) and 2004 (CW) are not verified and may relate to similar species. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species due to continuing decline.**
- 2109 Lesser Yellow Underwing** *Noctua comes* – Common. 150+ records. [Studland 1 and 2]. Records from 50 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2110 Broad-bordered Yellow Underwing** *Noctua fimbriata* – Very common, 230+ records. [Studland 1 and 2]. Records from 44 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2111 Lesser Broad-bordered Yellow Underwing** *Noctua janthe* – Very common. 175 records. [Studland 2]. Records from 39 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2112 Least Yellow Underwing** *Noctua interjecta* – First 1962-64 (AB), 60 since. [Studland 1]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2113 Stout Dart** *Spaelotis ravidia* (RDB) – Single record: 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2114 Double Dart** *Graphiphora augur* – Single record 1966 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2117 Autumnal Rustic** *Eugnorisma glareosa* – 6 records: 1962-64 (AB), 1987 (KGC), last recorded 2011. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 92% 1975 – 2010.** [Studland 1 and 2].
- 2118 True Lover's Knot** *Lycophotia porphyrea* – Common. 145+ records. [Studland 1 and 2]. Records from 53 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2119 Pearly Underwing** *Peridroma saucia* – 1963 (AB), 7 since. [Studland 1]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2120 Ingrailed Clay** *Diarsia mendica* *Diarise* – 10 records only. First in 1962-64 (AB). [Studland 1 and 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2121 Barred Chestnut** *Diarsia dahlia* – Single record 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2122 Purple Clay** *Diarsia brunnea* – 4 records: 1962-64 (AB), twice in 2014 (AG, CT), 2015 (AS). Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2123 Small Square-spot** *Diarsia rubi* – Common. 157 records. [Studland 2]. Records from 31 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2126 Setaceous Hebrew Character** *Xestia c-nigrum* – Very common. 235 records. First 1962-64 (AB). [Studland 1 and 2]. Records from 43 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2127 Triple-spotted Clay** *Xestia ditrapezium* – 3 records: 1962-64 (AB), 2005 (CW), 2014 (AG, CT). [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2128 Double Square-spot** *Xestia triangulum* – 7 records: 1962-64 (AB), 1993,1997 (KGC), twice in 2013, twice in 2014. [Studland 1 and 2]. Records from 19 x 1km squares elsewhere in Poole harbour on Living Record 2000-2019.
- 2130 Dotted Clay** *Xestia baja* – Single record: 1962-64 (AB). [Studland 1]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2132 Neglected Rustic** *Xestia castanea* – On 1983 species list (no details), 1990 (KGC), 4 since 2007. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 82% 1975 – 2010.** [Studland 1 and 2].
- 2133 Six-striped Rustic** *Xestia sexstrigata* – 1962-64 (AB), 1981 (AAA) further 7 records since 2005. [Studland 1]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2134 Square-spot Rustic** *Xestia xanthographa* – Common. 83 records, first in 1962-64 (AB). [Studland 1 and 2]. Records from 43 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2135 Heath Rustic** *Xestia agathina agnathia* – 13 records: First 1962-64 (AB). Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 84% 1975 – 2010.** [Studland 1 and 2].
- 2138 Green Arches** *Anaplectoides prasina* – 3 recent records only: 2014 and 2015. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2139 Red Chestnut** *Cerastis rubricosa* – 4 records: 1962-64 (AB), 2009 (DF), 2011 (DF et al), 2013. Likely to be common on the Heathblock in April. [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2140 White-marked** *Cerastis leucographa* – Recorded 1963 and 1964 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2142 Beautiful Yellow Underwing** *Anarta myrtilli* – 1962-4 (AB), 1992 (AAA) then 11 times since 2004, mostly from Heathblock. [Studland 1 and 2]. Records from 31 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2145 Nutmeg** *Anarta trifolii* – Uncommon. 7 records only, first in 1962-4 (AB). [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2147 Shears** *Hada plebeja* – 4 records: 1992 (KGC), 1999 (CW), 2000 and 2015. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2150 Grey Arches** *Polia nebulosa* – 1962-64 (AB), 59 records since. [Studland 1 and 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2154 Cabbage Moth** *Mamestra brassicae* – 1962-64 (AB), 10 since. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2155 Dot Moth** *Melanchra persicariae* – 4 records: 1962-64 (AB), 1981 (AAA), 1994 (KGC), 2014 (AG, CT). Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 88% 1975 – 2010.**
- 2156 Beautiful Brocade** *Lacanobia contigua* – 2 records: 1962-64 (AB), 1998 (KGC). Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2157 Light Brocade** *Lacanobia w-latinum* – On 1980's species list, no details. 10 subsequent records. [Studland 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2158 Pale-shouldered Brocade** *Lacanobia thalassina* – 6 records: First 1962-64 (AB). [Studland 2]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2159 Dog's Tooth** *Lacanobia suasa* – 10 records. First 1962-64 (AB). Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2160 Bright-line Brown-eye** *Lacanobia oleracea* – Common. 220 records, first in 1962-64 (AB). Records from 44 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. [Studland 1 and 2].



2160a Splendid Brocade *Lacanobia splendens* – Sole record June 2015 (CT). Photographed. The species is an uncommon migrant in Britain, first recorded in 2003. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

Fig.9 Splendid Brocade

2163 Broom Moth *Ceramica pisi* – 2 records. 1962-4 (AB), 2014 (CT et al). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 77% 1975 – 2010.** [Studland 1 and 2].

2164 Broad-barred White *Hecatera bicolorata* – Single record: 1962-64 (AB). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2166 Champion *Sideridis rivularis* – 5 records: 1962-64 (AB), 1963 (G.F. Dollimore), 1985, 2 in 2015. One on Living Record in 1km grid-square SZ0288 from 2019. [Studland 1]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2167 Tawny Shears *Hadena perplexa perplex* – 1962-64 (AB), 3 since. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

(2167) Pod Lover *Hadena perplexa capsophila* – Single record: 1963 (G.F. Dollimore).

2172 White Spot *Hadena albimacula* (RDB) – Single record: 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species now restricted to a small number of sites.**

2173 Lychnis *Hadena bicruris* – 4 records: 1962-64 (AB), 1995 (KGC), 2006 (DF et al), 2014 (CT, AG et al). Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2176 Antler Moth *Cerapteryx graminis* – Recorded 1962-4 (AB). None since. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2177 Hedge Rustic *Tholera cespitis* – 1964 (AB), 2005 (DF et al) 5 records since. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 97% 1975 – 2010.**

2178 Feathered Gothic *Tholera decimalis* – 18 records, all since 2004. Possibly increasing. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 81% 1975 – 2010.** [Studland 1 and 2].

2179 Pine Beauty *Panolis flammea* – Common. 98 records. [Studland 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2182 Small Quaker *Orthosia cruda* – 39 records. [Studland 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2183 Blossom Underwing *Orthosia miniosa* – Single record: 1967 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2184 Northern Drab *Orthosia opima* – 1967 (AB), a record from 2005 (CW) is unverified. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2185 Lead-coloured Drab** *Orthosia populeti* – Recorded once, in 1964 (AB). Single larva found in 1980 (AAA). Looked for along Villa road, unsuccessfully, several times in spring 2010-16. Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2020. Recorded in 2020.
- 2186 Powdered Quaker** *Orthosia gracilis* – 1962-64 (AB), 8 since. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 76% 1975 – 2010.** [Studland 1].
- 2187 Common Quaker** *Orthosia cerasi* – Fairly common: 125 records. [Studland 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2188 Clouded Drab** *Orthosia incerta* – Common, 75 records. [Studland 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2189 Twin-spotted Quaker** *Anorthoa munda* – Fairly common. Recorded 1962-4 (AB), 1981 and 1982 (AAA) 30+ times since. [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2190 Hebrew Character** *Orthosia gothica* – 1962-64 (AB), 79 records since. [Studland 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2192 Brown-line Bright-eye** *Mythimna conigera* – Recorded in 2005 (CW, CT) 3 individuals in trap. Record on Living Record from 1km square SZ0288 in 2018. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2193 Clay** *Mythimna ferrago* – 1962-64 (AB). 12 records since. [Studland 1 and 2]. Records from 38 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2194 White-point** *Mythimna albipuncta* – 6 records. First in 2002 (AS). [Studland 1 and 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2195 Delicate** *Mythimna vitellina* – First recorded 1963. 11 since. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2196 Striped Wainscot** *Mythimna pudorina* – 1962-64 (AB), 7 records since. [Studland 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2197 Southern Wainscot** *Mythimna straminea* – Fairly common. 93 records. [Studland 1]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2198 Smoky Wainscot** *Mythimna impura* – Common. 170+ records. [Studland 1 and 2]. Records from 40 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2199 Common Wainscot** *Mythimna pallens* – Common. 150 records. [Studland 1 and 2]. Records from 37 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2200 Mathew's Wainscot** *Mythimna favicolor* (Notable b) – Single record: 2005 (DF et al). [Studland 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2201 Shore Wainscot** *Mythimna litoralis* (Notable b) – Described by AB as “only a few records, last in 1981 probably from Studland colony”. Also 2014 (DF et al). [Studland 1 and 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2202 L-album Wainscot** *Mythimna l-album* (Notable b) – First recorded 1962-64 (AB), 21 times since. [Studland 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2203 White-speck *Mythimna unipuncta* – Included on 1980's species list (A. Wise), with no details. known from the Purbeck chalk. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2204 Obscure Wainscot *Leucania obsoleta* – 1962-64 (AB), 7 records since. [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2209 Flame Wainscot *Senta flamma* (Notable a) – First recorded 1962-64 (AB), 45 records since. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2211 Wormwood *Cucullia absinthii* (Notable b) – Only recorded 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2214 Chamomile Shark *Cucullia chamomillae* – Only recorded 1962-64 (AB). [Studland 1]. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2216 Shark *Cucullia umbratica* – 3 records: 1962-64 (AB), 2002 (AS), 2005 [Studland 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2221 Mullein *Cucullia verbasci* – On the 1980's species list with no details. The distinctive larvae were found in 2014 and 2015, Castle grounds and Bromby's Acre. [Studland 2]. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2225 Minor Shoulder-knot *Brachylomia viminalis* - (Section 41 species) 1962-64 (AB), 1988 and 1994 (both KGC). [Studland 1]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2226 Beautiful Gothic *Leucochlaena oditis* (RDB) – Single record: 1962-64 (AB). [Studland 1]. Records from 1 x 1km square elsewhere in Poole Harbour on Living Record 2000-2019.

2229 Brindled Ochre *Dasypolia templi* – 1965 (AB), sole record. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2230 Feathered Brindle *Aporophyla australis pascua* (Notable b) – 3 records: 1965 (AB), 2012 and 2014 (DF et al). Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2231 Deep-brown Dart *Aporophyla lutulenta* – First record 2002 (AS), 2 records in 2014 (DF et al). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2232 Black Rustic *Aporophyla nigra* – Common. 75+ records. [Studland 1 and 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2235 Tawny Pinion *Lithophane semibrunnea* – 1962-64 (AB), 8 in 2010 and 2011, 1 in 2014. [Studland 1]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2236 Pale Pinion *Lithophane socia* – 1962-64 (AB), 14 since 2009. [Studland 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2237 Grey Shoulder-knot *Lithophane ornitopus lactipennis* – 1962-64 (AB), 2004 (CW), 2006 (DF et al), 6 since. [Studland 2]. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2240 Blair's Shoulder-knot *Lithophane leautieri hesperica* – 1962-64 (AB), 2002 (AS), 12 records since. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2241 Red Sword-grass *Xylena vetusta* – 4 records; 2009, 2011, 2013, 2015. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2243 Early Grey** *Xylocampa areola* – 53 records. First in 1962-64 (AB). [Studland 1 and 2]. Records from 28 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2245 Green-brindled Crescent** *Allophyes oxycanthae* – Recorded by AB 1962-64, 4 records since; 1981 then 3 in 2014. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 79% 1975 – 2010.** [Studland 1].
- 2246a Oak Rustic** *Dryobota labecula* – First recorded 2014, twice, (CT) and 2015. Recent colonist in Dorset. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2247 Merveille du Jour** *Griposia aprilina* – 1962-64 (AB), 24 since. [Studland 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2248 Brindled Green** *Dryobotodes eremita* – 1962-64 (AB), 2000 (AS) then 41 records since. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2250 Dark Brocade** *Mniotype adusta* – 1962-64 (AB). A record for 2014 (CT, AG) is unverified. Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2255 Feathered Ranunculus** *Polymixis lichenea lichenea* – First record 1962-64 (AB), 14 since 2002. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2256 Satellite** *Eupsilia transversa* – 7 records. 1962-64 (AB), 1981 and 1982 (AAA), 4 since 2004. [Studland 1 and 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2258 Chestnut** *Conistra vaccinii* – 1962-64 (AB). Recorded 30+ times since 2004. [Studland 1 and 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2259 Dark Chestnut** *Conistra ligula* – Single record 2004 (CT). Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2260 Dotted Chestnut** *Conistra rubiginea* – 1965 (AB). 3 further records in 2009 (DF et al). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2262 Brick** *Agrochola circellaris* – 5 records; 1962, 1963 (both AB), 2013, 2015 twice. [Studland 1 and 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2263 Red-line Quaker** *Agrochola lota* – Fairly common. First record 1962 then 19 times since. [Studland 1 and 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2264 Yellow-line Quaker** *Agrochola macilenta* – 12 records. [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2265 Flounced Chestnut** *Agrochola helvola* – On 1983 species list but no details. Quite possible on the Heathblock. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 88% 1975 – 2010.**
- 2267 Beaded Chestnut** *Agrochola lychnidis* – 2 records from the early 1960's then 2 in 2005 (CW). Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 90% 1975 – 2010.** [Studland 2].
- 2268 Suspected** *Parastichtis suspecta* – 4 records: 1991 (KGC), 2011, 2 in 2013 (DF et al). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2270 Lunar Underwing** *Omphaloscelis lunosa* – 82 records. [Studland 1 and 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2271 Orange Sallow** *Tiliacea citrigo* – 4 records: 1963 (G.F. Dollimore), 1962-64 (AB), 1982 – larva (AAA), 2004 (CNW). Lime feeder. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2272 Barred Sallow** *Tiliacea aurago* – 4 records: 2011 (CT, AG), 3 in 2014 (DG/CT/AG). [Studland 2]. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2273 Pink-barred Sallow** *Xanthia togata* – First 1962-64 (AB), 70 records since. [Studland 1 and 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2274 Sallow** *Cirrhia icteritia* – Fairly common. 1962-64 (AB), 60 additional records. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 82% 1975 – 2010.** [Studland 1 and 2].
- 2275 Dusky-lemon Sallow** *Cirrhia gilvago* – Single record 1962-64 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 92% 1975 – 2010.**
- 2278 Poplar Grey** *Subacronicta megacephala* – 1962-4 (AB), recorded next in 2004 and 30 times since. [Studland 2]. Records from 17 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2279 Sycamore** *Acronicta aceris* – Recorded in 1966 (AB), 6 times in 1990's and 16 times since 2000. [Studland 2]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2280 Miller** *Acronicta leporina* – Common 1-3 recorded on 40+ occasions. Records from 31 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2281 Alder Moth** *Acronicta alni* – Surprisingly scarce. 4 records only; 1967 (AB) then 2015 (twice) and 2016. [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2284 Grey Dagger** *Acronicta psi* – Common 1-3 on 40+ occasions. UK BAP species, declined 77% 1975 – 2010. [Studland 2]. Records for Grey / Dark Dagger aggregate from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2289 Knot Grass** *Acronicta rumicis* – Very common. 1-6 recorded over 100 times. Records from 38 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 80% 1975 – 2010.** [Studland 2].
- 2291 Coronet** *Craniophora ligustri* – 42 records, all since 2004. [Studland 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2292 Tree-lichen Beauty** *Cryphia algae* – One record 2014, Middle Street under Elms (DF, AG). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2293 Marbled Beauty** *Bryophila domestica* – Uncommon. 1962-64 (AB), 6 further records to 2000 and 7 since. [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2295 Marbled Green** *Nyctobrya muralis* – On the 1980's species list with no details. "Occured each year 1964 -1986. in small numbers" (AB). Recorded 7 times since. [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2297 Copper Underwing** *Amphipyra pyramidea* – Fairly common. 1962-64 (AB), 1981 and 1982 (AAA), 30+ records since. [Studland 2]. Records for Copper Underwing or Copper Underwing aggregate from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2298 Svensson's Copper Underwing** *Amphipyra berbera* – Recorded twice (by DF et al) 2006, 2008. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2299 Mouse Moth** *Amphipyra tragopoginis* – 5 records: 1962-4 (AB), 1985, 1991, 2006. Last recorded 2008. Records from 13 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 73% 1975 – 2010.** [Studland 2].
- 2300 Old Lady** *Mormo maura* – First recorded 1965 (AB), 21 times since. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2301 Bird's Wing** *Dypterygia scabriuscula* – First recorded 1962-64 (AB), 18 records since. [Studland 2]. Records from 26 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2302 Brown Rustic** *Rusina ferruginea* – On 1983 species list (no details), 1994 (KGC), 5 since. [Studland 1]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2303 Straw Underwing** *Thalpophila matura* – Recorded twice: 1962-64 (AB) and 4 trapped at Seymer's marsh 1985. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2305 Small Angle Shades** *Euplexia lucipara* – Fairly common, 75 records. First in 1962-64 (AB). Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. [Studland 2].
- 2306 Angle Shades** *Phlogophora meticulosa* – 95 records. [Studland 1 and 2]. Records from 46 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2312 Olive** *Ipimorpha subtusa* – Single record 2009 (AS). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2314 Dingy Shears** *Apterogenum ypsilon* – Single record, 2005 (DF et al). Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2318 Dun-bar** *Cosmia trapezina* – Very common. 150+ records. [Studland 2]. Records from 32 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2319 Lunar-spotted Pinion** *Cosmia pyralina* – 1964 (AB). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2321 Dark Arches** *Apamea monoglypha* – Very common, c.150 records. [Studland 2]. Records from 55 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2322 Light Arches** *Apamea lithoxyloae* – Only 2 records; 1965 (AB) and 1987 (KGC). [Studland 1]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2325 Crescent Striped** *Apamea oblonga* (Notable b) – Recorded fairly regularly in small numbers by AB in 1960's through to 1987, around the lagoon. A single worn individual in 2004 was thought to be this species (CT, CW). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2326 Clouded-bordered Brindle** *Apamea crenata* – Recorded 3 times, 1962-64 (AB), 2005 and 2013. [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2330 Dusky Brocade** *Apamea remissa* – 15 records. 1962-64 (AB) then 14 times since 2005. [Studland 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2331 Small Clouded Brindle** *Apamea unanimitis* – Single record 2005 (DF et al). Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2334 Rustic Shoulder-knot** *Apamea sordens* – 2 records: 1962-64 (AB), 1987 (KGC). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2335 Slender Brindle** *Apamea scolopicina* – Single record 1987 (KGC). [Studland 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2337 Marbled Minor** *Oligia strigilis* – 1962-64 (AB), 8 records since. [Studland 1 and 2]. Records for Marbled Minor aggregate species from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2338 Rufous Minor** *Oligia versicolor* – 2 records in 2014 (CT/AG and DF/AG). Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2339 Tawny Marbled Minor** *Oligia latruncula* – 4 records: 2013-2016. Record in 2015 (AG) confirmed by PS. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2340 Middle-barred Minor** *Oligia fasciuncula* – 1962-64 (AB). 2 in 2005 (DF et al), 11 since. [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2341 Cloaked Minor** *Mesoligia furuncula* – Single record: 1962-64 (AB). [Studland 2]. Records from 15 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2342 Rosy Minor** *Litologia literosa* – Single record: 1962-64 (AB). Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 81% 1975 – 2010.** [Studland 2].
- 2343 Common Rustic** *Mesapamea secalis* – 103 records plus 5 entered as Common Rustic / Lesser Common Rustic. [Studland 2]. Records for Common Rustic / Lesser Common Rustic aggregate species from 42 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2343a Lesser Common Rustic** *Mesapamea didyma* – 4 records specifically ascribed to this species but with no details. Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2345 Small Dotted Buff** *Photodes minima* - Single record 1967 (AB). [Studland 1]. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2350 Small Wainscot** *Denticucullus pygmina* – Common. 130+ records. [Studland 1 and 2]. Records from 24 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2353 Flounced Rustic** *Luperina testacea* – First 1962-64 (AB), 45 since. [Studland 1 and 2]. Records from 45 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2357 – 60 Ear spp.** *Amphipoea spp.* – The Ear species are only determined reliably by dissection. The aggregate species are recorded fairly commonly, 40+ times. Aggregate records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2358 Saltern Ear** *Amphipoea fucosa* – 1962-64 (AB). 6 further records have been ascribed to this species but there are no details of any supporting evidence. [Studland 1].
- 2360 Ear Moth** *Amphipoea oculea* – 1962-4 (AB), 1-3 in 2000 (AD). [Studland 1]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2361 Rosy Rustic** *Hydraecia micacea* – 5 records: 1962-64 (AB), 1995 (KGC), 2006, 2013, 2015. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. UK BAP species, declined 86% 1975 – 2010.
- 2364 Frosted Orange** *Gortyna flavago* – 4 records: 1962-64 (AB), 1989 (KGC), 2015 and 2016. [Studland 1 and 2]. Records from 18 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2368 Crescent *Helotropha leucostigma* – 4 records. 1962-4 (AB), 1981 (KGC), 2000 (CT), 2011. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2369 Bulrush Wainscot *Nonagria typhae* – First recorded 1963, 10 since. [Studland 1 and 2]. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2370 Twin-spotted Wainscot *Lenisa geminipuncta* – 12 records: 1962-64 (AB), 11 since. [Studland 1 and 2]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2371 Brown-veined Wainscot *Archanara dissoluta* – Fairly common, 50+ records. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2373 Webb's Wainscot *Globia sparganii* (Notable b) – First found in 2006, 11 since. Assumed resident in Lesser Reed-mace around West Lake. [Studland 1 and 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2375 Large Wainscot *Rhizedra lutosa* – 70 records. 1962-64 (AB), next in 2002, 68 since. Records from 16 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 86% 1975 – 2010.** [Studland 2].

2377 Fen Wainscot *Arenostola phragmitidis* – Fairly common. 40+ records. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2379 Small Rufous *Coenobia rufa* – 1962-64 (AB), 1997 (KGC), 14 more since 2005. [Studland 1]. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2380 Treble Lines *Charancya trigammica* – Fairly common. 57 records. [Studland 2]. Records from 35 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2381 Uncertain *Hoplodrina octogenaria* – Common 1962-64 (AB), 140+ records since. [Studland 2]. This species is now aggregated with Rustic (see below).

2382 Rustic *Hoplodrina blanda* – Common, 1962-64 (AB), 105+ records since. Records as aggregate from 39 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 75% 1975 – 2010.** [Studland 2].

2384 Vine's Rustic *Hoplodrina ambigua* – Common, 120 records. [Studland 1 and 2]. Records from 38 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2385 Small Mottled Willow *Spodoptera exigua* – 1962-64 (AB), 2000, then 12 since 2006. [Studland 2]. Records from 4 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2387 Mottled Rustic *Caradrina morpheus* – 39 records. First 1962-4 (AB). [Studland 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2387a Clancy's Rustic *Caradrina kadenii* – Recorded twice; 2008 (DF et al), 2014. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2389 Pale Mottled Willow *Caradrina clavipalpis* – 5 records; 1962-4 (AB), 2005 and 2016. [Studland 1]. Records from 14 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2391 Silky Wainscot *Chilodes maritima* – 1962-4. AB reported "strong colony in reedbed". 31 records in total. [Studland 2]. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

- 2396 Rosy Marbled** *Elaphria venustula* (Notable b) – Single record: 1964 (AB). Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2400 Scarce Bordered Straw** *Helicoverpa armigera* – 1962-64 (AB), 9 since. [Studland 2]. Records from 8 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2403 Bordered Straw** *Heliiothis peltigera* – First record 2002 (AS), 2009 (DF et al), 3 in 2015. [Studland 1 and 2]. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2410 Marbled White Spot** *Deltote pygarga* – Common. 1962-64 (AB). 140+ records since. Records from 39 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. [Studland 1 and 2].
- 2412 Silver Hook** *Deltote uncula* – 3 records: 1994 (KGC), 2002 (AS), 2005 (CT/CW). [Studland 1 and 2]. Records from 2 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2418 Cream-bordered Green Pea** *Earias clorana* (Notable b) – Fairly common. First recorded 1965 (AB). 98 records since. [Studland 1 and 2]. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2421 Scarce Silver-lines** *Bena bicolorana* – 5 records; 1980 (AAA), twice in 1987 (KGC), 2005, 2014. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2422 Green Silver-lines** *Pseudoips prasinana britannica* – 42 records, first in 1962-64 (AB). [Studland 2]. Records from 19 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2423 Oak Nycteoline** *Nycteola revayana* – On 1980's species list – no details. 2009 x 2 (AS), 2012, 2014. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2425 Nut-tree Tussock** *Colocasia coryli* – Very common, 200+ records. [Studland 2]. Records from 34 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2434 Burnished Brass** *Diachrysia chrysitis* – 5 records only. 1962-64 (AB), 1994 (KGC), 2006 (DF et al), 2012, 2016. Records from 21 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2437 Golden Plusia** *Polychrysia moneta* – Single record: 1965 (AB). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2439 Gold Spot** *Plusia festucae* – 26 records: 1965 (AB), 2003 (CW), then 24 since 2008. [Studland 1 and 2]. Records from 22 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2441 Silver Y** *Autographa gamma* – Very common, 200+ records. [Studland 1 and 2]. Records from 65 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2442 Beautiful Golden Y** *Autographa pulchrina* – Included on the 1983 species list (A. Wise) - no details. Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2443 Plain Golden Y** *Autographa jota* – Recorded 1962-64 (AB). None since. Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2449 Dark Spectacle** *Abrostola triplasia* – Uncommon. 4 records. 1962-64 (AB) then 3 records since 2008, (2 from first brood). Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2450 Spectacle** *Abrostola tripartita* – Fairly common. Recorded since 1960's. 36 records, 22 times since 2000. Records from 33 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.
- 2451 Clifden Nonpareil** *Catocala fraxini* – 3 records: 2010, 2011, 2014. Assumed migrants. Records from 7 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2452 Red Underwing *Catocala nupta* – Recorded 1962-4 (AB) not found again until 2002, 25 records since. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2462 Mother Shipton *Euclidia mi* – 2 records: 1962-64 (AB), 1982 (AAA). [Studland 1 and 2]. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2466 Blackneck *Lygephila pastinum* – 3 records: 1966 (AB), 2001 and 2011 (CT, AG). Records from 1 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2469 Herald *Scoliopteryx libatrix* – First record 1962-64 (AB), 53 records since. Frequently found hibernating in the 2 bat caves on the reserve. [Studland 1 and 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2470 Small Purple-barred *Phytometra viridaria* – 7 records. 1962-64 (AB), 1994 KGC, 5 since 2004. [Studland 1 and 2]. Records from 20 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2473 Beautiful hook-tip *Laspeyria flexula* – Fairly common, 80+ records. [Studland 2]. Records from 25 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2474 Straw Dot *Rivula sericealis* – Very common. 275+ records. [Studland 1 and 2]. Records from 43 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2477 Snout *Hypena proboscidalis* – Common. 1962-64 (AB), 140+ since. [Studland 1 and 2]. Records from 36 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



Fig.10 Bloxworth Snout, December 2011

2478 Bloxworth Snout *Hypena obsitalis* (RDB) – One of the earliest UK records in 1965 (AB). 5 records since: 2011 (December), 2014 (March), 2015 (November), 2016 (twice, February and November). All this century have been found overwintering in the Villa and outbuildings, with none coming to light so far. An additional record on Living Record from 1km square SZ0288 in 2018. Records from 3 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



Fig.11 Bloxworth Snout, December 2014

2480 Buttoned Snout *Hypena rostralis* (Notable b) – Single record: 2016 (CT). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2482 White-line Snout *Schrankia taenialis* (Notable b) – Single record: 1964 (AB), behind quay cottages. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2484 Pinion-streaked Snout *Schrankia costaestrigalis* – 76 records, first in 1964 (AB). [Studland 1 and 2]. Records from 23 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2485 Marsh Oblique-barred *Hyphenodes humidalis* (Notable b) – Single record 2000 (AD). [Studland 1 and 2]. This small macro species is very easy to overlook. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2489 Fan-foot *Herminia tarsipennalis* – 1962-64 (AB), 40+ records since 2002. [Studland 2]. Records from 29 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

2492 Small Fan-foot *Herminia grisealis* – 1962-64 (AB), 26 records since 2002. [Studland 2]. Records from 12 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.



2494 Clay Fan-foot *Paracolax tristalis* (Notable a) – 2 records: 1993 (KGC) and 2016 (CT). The latter was photographed. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species due to continuing decline.**

Fig.12 Clay Fan-foot, 2016



2495 Olive Crescent *Trisateles emortualis* (RDB) – Rare migrant recorded on 25/6/2005 (DF/Paul Harris et al). No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019. **UK BAP species, declined 50% in 24 years.**

Fig.13 Olive Crescent, 2005. ©Dave Foot

APPENDIX 1

ADDITIONAL BROWNSEA SPECIES ON LIVING RECORD 2000-2020

The following 9 species have been recorded as new to Brownsea since 2017:

428 Yponomeuta rorella (Willow Ermine) – On Living Record 1km grid-square SZ0288 for 2018. Records from 5 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

776 Teleiopsis diffinis – Recorded on Living Record from 1km square SZ0187 in 2019. Records from 10 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

908 Sorhagenia rhamniella – On Living Record 1km grid-square SZ0288 for 2019. The species requires genitalia examination for confirmation and this is the only Poole Harbour record for this century.

1355a Musotima nitidalis – On Living Record 1km grid-square SZ 2008. This is an adventive species, native to Australia and New Zealand, first discovered in Dorset in 2009 and this is as yet the only known population in Poole Harbour though it is almost certainly present elsewhere. Feeds on Bracken.

1454b Dioryctria sylvestrella – On Living Record from 1km square SZ 0288 in 2019. This species is probably increasing in Poole Harbour. Records from 9 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1517 Adaina microdactyla (Hemp-agrimony Plume) – Recorded on Living Record from 1km square SZ0288 in 2019. Records from 6 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1698 Purple-bordered Gold *Idaea muricata* (Notable b) – On Living Record 1km grid-square SZ0288 from 2019. Records from 11 x 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1714 Portland Ribbon Wave *Idaea degeneraria* – On Living Record for 1km grid-square SZ0288 in 2019. The number of records suggesting that a breeding colony has become established. The only location for the species in Poole Harbour this century.

2465 The Four-spotted *Tyta luctuosa* – On Living Record, 1 km Grid-square SZ0288 in 2019. The sole Poole Harbour record for this century.

Table 1: LIST OF 53 NOTABLE B SPECIES RECORDED ON BROWNSEA 1962-2017

SPECIES	YEAR LAST RECORDED
<i>Bohemannia quadrimaculella</i>	1980
Goat Moth <i>Cossus lactose</i>	2016
Festoon <i>Apoda limacodes</i>	2016
<i>Nemapogon wolfiella</i>	2009
<i>Caloptilia falconipennella</i>	2016
<i>Phyllonorycter roboris</i>	2011
Red-tipped Clearwing <i>Synanthedon formicaeformis</i>	1983
Red-belted Clearwing <i>Synanthedon myopaeformis</i>	1979
<i>Argyresthia ivella</i>	2014

<i>Coleophora siccifolia</i>	1980
<i>Telechrysis tripuncta</i>	2015
<i>Bryotropha desertella</i>	2009
<i>Scrobipalpa samadensis</i>	1980
<i>Stathmopoda pedella</i>	2016
<i>Mompha sturnipennella</i>	2006
<i>Bactra robustana</i>	2016
<i>Cydia coniferana</i>	2009
<i>Crambus uliginosellus</i>	2014
<i>Crambus hamella</i>	2013
<i>Crambus pratella</i>	2015
<i>Pediasia contaminella</i>	2014
<i>Donacaula mucronella</i>	2013
<i>Eudonia delunella</i>	2015
<i>Oncocera semirubella</i>	2016
<i>Ephestia elutella</i>	2016
Mocha <i>Cyclophora annularia</i>	2013
Rosy Wave <i>Scopula emutaria</i>	2016
Oblique striped <i>Phibalapteryx virgate</i>	1964
Chalk Carpet <i>Scotopteryx bipunctaria</i>	1971
Lead-coloured Pug <i>Eupithecia plumbeolata</i>	1964
Pinion-spotted Pug <i>Eupithecia insigniata</i>	1964
Horse Chestnut <i>Pachycnemia hippocastanaria</i>	2016
Great Oak Beauty <i>Hypomecis roboraria</i>	2014
Sloe Carpet <i>Aleucis distinctata</i>	1964
Narrow-bordered Bee Hawk-moth <i>Hemaris tityus</i>	2010
Broad-bordered Bee Hawk-moth <i>Hemaris fuciformis</i>	2016
Jersey Tiger <i>Euplagia quadripuntaria</i>	2016
Kent Black Arches <i>Meganola albula</i>	2016
Square-spot Dart <i>Euxoa obelisca</i>	2000
Coast Dart <i>Euxoa cursorial</i>	1993
Sand Dart <i>Agrotis ripae</i>	2016
Portland Moth <i>Actebia praecox</i>	1965
Lunar Yellow Underwing <i>Noctua orbona</i>	2015
Mathew's Wainscot <i>Mythimna favicolor</i>	2005
Shore Wainscot <i>Mythimna litoralis</i>	2014
L-album Wainscot <i>Mythimna l-album</i>	2016
Feathered Brindle <i>Aporophyla australis</i>	2014
Crescent Striped <i>Apamea oblonga</i>	2004
Webb's Wainscot <i>Globia sparganii</i>	2016
Rosy Marbled <i>Elaphria venustula</i>	1964
Cream-bordered Green Pea <i>Earias clorana</i>	2016
Wormwood <i>Cucullia absinthi</i>	1964
Buttoned Snout <i>Hypena rostralis</i>	2016
White-line Snout <i>Schrankia taenialis</i>	1964

Table 2: LIST OF 10 NOTABLE A SPECIES RECORDED ON BROWNSEA 1962-2017

SPECIES	YEAR LAST RECORDED
<i>Phyllonorycter viminetorum</i>	1980
<i>Epermenia aequidentellus</i>	2015
<i>Clavigesta sylvestrana</i>	2014
<i>Gymnancyla canella</i>	2012
Barred Carpet <i>Martania taeniata</i>	1964
Dentated Pug <i>Anticollix sparsata</i>	1964
Bordered Grey <i>Selidosema brunnearia</i>	1964
Ringed Carpet <i>Cleora cinctaria</i>	2013
Flame Wainscot <i>Senta flammea</i>	2016
Clay Fan-foot <i>Paracolax tristalis</i>	2016

Table 3: LIST OF 11 RED DATA BOOK SPECIES RECORDED ON BROWNSEA 1962-2017

SPECIES	YEAR LAST RECORDED
Triangle <i>Heterogena asella</i>	1964
<i>Pachythelia villosella</i>	1974
<i>Scythris empetrella</i>	2011
<i>Crambus silvella</i>	2016
<i>Agrotera nemoralis</i>	2016
Dingy Mocha <i>Cyclophora pendularia</i>	2016
Stout Dart <i>Spaelotis ravida</i>	1964
White Spot <i>Hadena albimacula</i>	1966
Beautiful Gothic <i>Leucochlaena oditis</i>	1966
Bloxworth Snout <i>Hypena obsitalis</i>	2016
Olive Crescent <i>Trisateles emortualis</i>	2005

APPENDIX 2

ERRORS AND RECORDS OF DOUBTFUL PROVENANCE ON DERC DATABASE

23 species on the database appear likely to be erroneous. This may be due to misidentification or species recorded without adequate knowledge of their context or distribution in the region. In at least one case it probably amounts to a data-entry error. In some of the species, verification criteria were not met and that alone is reason enough for the records not to be accepted:

236 *Tineola biselliella* (Common Clothes Moth) – Recorded in 2014 (CT) and 2015 (AG, CT et al). Verification of these records is queried. The species is apparently not recorded in Dorset.

431 *Yponomeuta sedella* – Records from 2012 and 2014 (AG, CT) are unverified and assumed errors.

435 *Zellaria hepariella* – Single record 2012 (CT, AG). This would constitute the only known record for Poole Harbour, and may be an error.

517a *Coleophora frischella* – Single record 2009 (AS). This record is unverified and would constitute the only occurrence of the species in Poole Harbour. Considered to require dissection for confirmation.

533 *Coleophora anatipennella* – A record from 2013 (AG, CT) is unverified.

637 *Crassa tinctella* – 3 records from 2013 (CT, AG) were not verified and are assumed errors.

777 *Bryotropha basaltinella* – A single record 2016 (AG, CT et al) is unverified and assumed an error.

786 *Bryotropha desertella* - (Notable b) – Single record 2009 (AS). A sand dune species, not often recorded in Dorset, this record is not verified. This would constitute the only known record of the species in Poole Harbour.

844 *Syncopacma larseniella* – 2 records in 2014 (AG, CT) were not verified. Examination of genitalia is considered a mandatory requirement for verification, although the species was apparently recorded by Cyril Diver at Studland. [Studland 1].

959 *Cochylidia rupicola* – A single record 2013 (AG, CT et al) is unverified and may be an error.

990 *Aphelia unitana* – A single record 2015 (AG, CT et al) is assumed to be an error.

1044 *Acleris ferrugana* – Recorded 2011 (CT et al) and 2013 (CT). No genitalia examination so should be treated as *Acleris ferrugana* / *notana* agg. [Studland 1].

1091 *Apotomis lineana* – Single record 2016 (AG, CT et al) is unverified. The species is apparently not recorded in Dorset.

1145 *Epinotia nanana* – A record from 2015 (AG) is unverified and assumed an error.

1195 *Eucosma lacteana* – A single record from 2014 (AG, CT) is an error. The species is apparently not recorded in Dorset.

1335 *Scoparia ancipitella* – A record for 2013 (AG, CT et al) is unverified and assumed an error.

1373 *Paratalanta pandalis* – A record from 2010 is considered an error. Not recorded in Dorset.

1482 *Homeosoma nimbella* – A single record of 2 in 2002 (AS) is unverified and presumed in error. Sheep's-bit does not occur on the Island and despite an old Studland record the species is now only known from Hengistbury Head. [Studland 1].

1704 Silky Wave *Idaea dilutaria* (RDB) – 5 purported records, of this RDB species are all unverified and presumed to be errors.

1792 Dark Umber *Philereme transversata* – 2000 (CW), this record is unverified and the species not otherwise recorded in Poole harbour. No records from 1km squares elsewhere in Poole Harbour on Living Record 2000-2019.

1815 Cloaked Pug *Eupithecia abietaria* – A single record from 2011 (BBOWT recording group) is unverified.

1848 Angle-barred Pug *Eupithecia innotata* – A single record from 2016 (CT, AG) was not verified.

1888a Dorset Cream Wave *Stegania trimaculata* – A record from 2005 (CW) is unverified and assumed an error.

1903 Barred Umber *Plagodis pulveraria* – A 1986 record (KGC) with wrong flight season is considered an error.

1924 Orange Moth *Angerona prunaria* – Single record 1988 (KGC). A rare and restricted resident in Dorset, all records seem to be from the far-West of the county.

1967 Straw Belle *Aspitates gilvaria* – A record of 2 in 2000 (CT) is believed erroneous and should be probably be ascribed to Yellow Belle.

2171 Marbled Coronet *Hadena confusa* – A single record from 1992 (KGC) is unverified.

2283 Dark Dagger *Acronicta tridens* – 1 on 10/8/93 (KGC) is the only record specifically ascribed to this species. [Studland 1].

2287 Scarce Dagger *Acronicta auricoma* – A record from 23/7/93 (KGC) is unverified. The species is not recorded in Dorset.

2357 Large Ear *Amphipoea lucens* – A putative record for 1997 (KGC) is unverified.

2374 Rush Wainscot *Globia algae* – A single record from 2003 (CW) is unverified and should probably be ascribed to Large Wainscot.

2397 Small Yellow Underwing *Panemeria tenebrata* – A record from 2010 (CW) is unverified.

2488 Common Fan-foot *Pechipogo strigilata* – 5 records: 3 in 1993 (KGC), 2012 and 2015. These may stem from data-entry errors, referring to Fan-foot *Herminia tarsipennalis*.

2493 Dotted Fan-foot *Macrochilo cribumalis* – A 1994 record (KGC) is presumed an error. Not recorded in Dorset.

APPENDIX 3

SPECIES RECORDED ON BROWNSEA THAT ARE NOT IN LIVING RECORD FOR THE POOLE HARBOUR AREA 2000-2019:

0005	<i>Micropterix calthella</i>	1980
0019	<i>Bohemannia quadrimaculella</i>	1980
0035	<i>Ectoedemia minimella</i>	2011 larva
0042	<i>Ectoedemia septembrella</i>	2011 larva
0080	<i>Stigmella ulmivora</i>	2011 larva
0089	<i>Stigmella basiguttella</i>	2002, 2011 larva
0114	<i>Stigmella glutinosae</i>	2011 larva
0149	<i>Adela cuprella</i>	1980 adult
0174	Triangle <i>Heterogena asella</i> (RDB)	1964
0217	<i>Nemapogon wolfiella</i> (Notable b)	2002, 2009
0266	<i>Bucculatrix nigricomella</i>	2014
297	<i>Euspilapteryx auroguttella</i>	1980

0316	<i>Phyllonorycter roboris</i>	2011 larva and mine
0320	<i>Phyllonorycter quercifoliella</i>	2011 larva and mine
0333	<i>Phyllonorycter salictella</i>	2011 larva and mine
0334	<i>Phyllonorycter viminetorum</i> (Notable a)	1980
0338	<i>Phyllonorycter cavella</i>	2011 larva
0371	Lunar Hornet Moth <i>Sesia bembeciformis</i>	2005
0409	<i>Argyresthia ivella</i> (Notable b)	2014
0442	<i>Cedestis gysselella</i>	1981
0485	<i>Shrekensteinia festaliella</i>	1980
0490	<i>Coleophora lutipennella</i>	1978, 1980, 2011
0491	<i>Coleophora gryphipennella</i>	1980
0501	<i>Coleophora siccifolia</i> (Notable b)	1980
0523	<i>Coleophora hemerobiella</i>	1980
0646	<i>Telechrysis tripuncta</i> (Notable b)	2013
692	<i>Agonopterix subropinquella</i>	2015
692	<i>Agonopterix subropinquella</i>	2015
710	<i>Agonopterix conterminella</i>	1980
714	<i>Agonopterix yeatiana</i>	2009
746	<i>Chrysoesthia drurella</i>	1980
772	<i>Carpatolechia fugitivella</i>	2009
811	<i>Scrobipalpa samadensis</i> (Notable b)	1980
882	<i>Mompha locupletella</i>	1980
891	<i>Mompha sturnipennella</i> (Notable b)	2006
917	<i>Scythris empetrella</i> (RDB)	2011
929	<i>Gynnidomorpha vectisana</i>	1980
947	<i>Aethes smeathmannia</i>	2002
1113	<i>Eudemis profundana</i>	2011
1135	<i>Epinotia demarniana</i>	2014
1139	<i>Epinotia tenerana</i>	1980, 2002, 2014, 2016
1151	<i>Epinotia trigonella</i>	2014

1154	<i>Epinotia caprana</i>	2009
1156	<i>Epinotia solandriana</i>	1980
1183	<i>Epiblema foenella</i>	2015
1206	<i>Clavigesta sylvestrana</i> (Notable a)	2009
1217	<i>Eucosomorpha albarsana</i>	1980
1229	<i>Pammene albuginana</i>	2002
1257	<i>Cydia nigricana</i>	2014
1328	<i>Schoenobius gigantella</i>	2005
1403	<i>Diasemiopsis ramburialis</i>	2014
1642	Lappet <i>Gastropacha quercifolia</i>	1962-4, 2008
1656	Satin Lutestring <i>Tetheella fluctuosa</i>	1964
1718	Oblique Striped <i>Phibalapteryx virgata</i> (Notable b)	1962-4
1731	Chalk Carpet <i>Scotopteryx bipunctaria</i> (Notable b)	1971
1762	Dark Marbled Carpet <i>Dysstroma citrata</i>	1962-4
1801	Barred Carpet <i>Martania taeniata</i> (Notable a)	1964
1804	Barred Rivulet <i>Perizoma bifaciata</i>	2010, 2012
1806	Pretty Pinion <i>Perizoma blandiata alborada</i>	1962-4
1814	Lead-coloured Pug <i>Eupithecia plumbeolata</i> (Notable b)	1962-4
1820	Pinion-spotted Pug <i>Eupithecia insigniata</i> (Notable b)	1962-4
1826	Triple-spotted Pug <i>Eupithecia trisignaria</i>	1962-4
1833	Bleached Pug <i>Eupithecia expallidata</i>	1967
1839	Bordered Pug <i>Eupithecia succenturiate</i>	1999
1851	Golden-rod Pug <i>Eupithecia virgaureata</i>	1962-4
1854	Juniper Pug <i>Eupithecia pusillata</i>	1962-4, 2011
1877	Waved Carpet <i>Hydrelia sylvata</i>	1962-4
1897	V-Moth <i>Macaria wauaria</i>	1966
1909	Speckled Yellow <i>Pseudopanthera macularia</i>	1985
1942	Dotted Carpet <i>Alcis subata</i>	1964
1943	Great Oak Beauty <i>Hypomecis roboraria</i> (Notable b)	1962-4, 2003, 2013

1959	Sloe Carpet <i>Aleucis distinctata</i> (Notable b)	1964
1982	Narrow-bordered Bee Hawk-moth <i>Hemaris tityus</i> (Notable b)	2010
2056	Wood Tiger <i>Parasemia plantaginis subito</i>	2004
2079	Scarce Black Arches <i>Nola aerugula</i>	2015
2080	Square-spot Dart <i>Euxoa obelisca</i> (Notable b)	1962-64, 1999, 2000
2083	Coast Dart <i>Euxoa cursorial</i> (Notable b)	1993
2113	Stout Dart <i>Spaelotis ravida</i> (RDB)	1962-4
2114	Double Dart <i>Graphiphora augur</i>	1966
2121	Barred Chestnut <i>Diarsia dahlia</i>	1962-64
2127	Triple-spotted Clay <i>Xestia ditrapezium</i>	1962-4, 2005, 2014
2140	White-marked <i>Cerastris leucographa</i>	1963, 1964
2183	Blossom Underwing <i>Orthosia miniosa</i>	1967
2184	Northern Drab <i>Orthosia opima</i>	1967, 2005
2211	Wormwood <i>Cucullia absinthi</i> (Notable b)	1962-4
2229	Brindled Ochre <i>Dasypolia templi</i>	1965
2271	Orange Sallow <i>Tiliacea citrigo</i>	1963, 1962-4, 2004
2275	Dusky-lemon Sallow <i>Cirrhia gilvago</i>	1962-64
2292	Tree-lichen Beauty <i>Cryphia algae</i>	2014
2437	Golden Plusia <i>Polychrysia moneta</i>	1965
2480	Buttoned Snout <i>Hypena rostralis</i> (Notable b)	2016
2482	White-line Snout <i>Schrankia taenialis</i> (Notable b)	1964
2494	Clay Fan-foot <i>Paracolax tristalis</i> (Notable a)	1993, 2016
2495	Olive Crescent <i>Trisateles emortualis</i> (RDB)	2005

TOTAL 95 species

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Fig.14 The view from St. Andrew's Hill over-looking the lagoon