



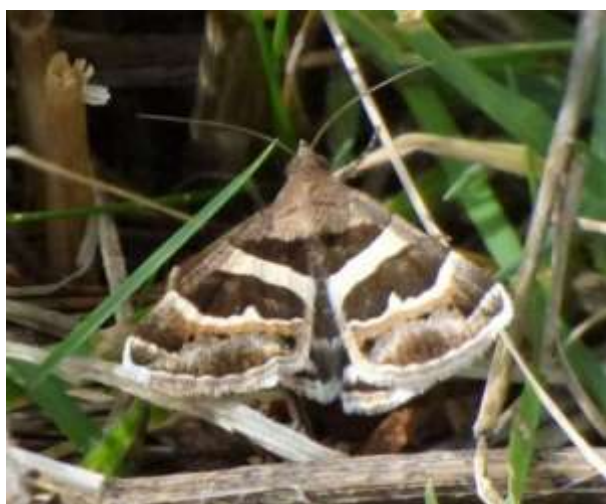
DORSET MOTHS (VC9) ANNUAL REPORT 2019

Paul Butter, Phil Sterling, Mike Hetherington, Jack Oughton & Alison Stewart



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The Geometrician *Grammodes stolidus* – a first for Dorset, recorded day-flying on Portland on 24/09. *Photo of that record* © Bob Johnson.



Moitreliella obductella – another Dorset first for the year, found as larvae on Marjoram *Origanum vulgare* Wyke Regis on 20/06. *Photo of adult raised from larva* by Dave Foot © Paul Harris.

Front cover images © Mike Hetherington (Cream-spot Tiger & Elephant Hawk-moth), Paul Butter (Forester), Paul Harris (*Ancylolomia tentaculella*). DMG Logo © Chris Manley

INTRODUCTION

Welcome to the Dorset Moths Annual Report for 2019. As many of you will be aware, a new verification team took over when Les Evans-Hill stepped down as County Moth Recorder at the end of 2016. The current team members are: Adrian Bicker (Living Record), Terry Box, Paul Butter, Pete Forrest, Julian Francis, Mike Hetherington, Tom Morris, Jack Oughton, Phil Sterling (micro moth County Moth Recorder) and Alison Stewart (Dorset Environmental Records Centre). After addressing a backlog in the verification of records for 2017 and 2018 the team is now in a position to produce an Annual Report for 2019.

The records listed have been taken from Living Record <https://livingrecord.net/> which is the main tool used by Dorset moth recorders and verifiers, as well as from spreadsheet submissions to the verification team (email address: dorsetvc9mothsinfo@gmail.com) and to the Dorset Environmental Records Centre (<http://www.derc.org.uk/>). Records from Portland Bird Observatory have been taken from the PBO website; these are not comprehensive and reference should also be made to the next PBO annual report. The team has used a cut-off date of 20 April 2020 for the consideration of records for this report. It is inevitable that some significant records will therefore have been missed; we will endeavour to cover these, and to address any errors in the present document, in an addendum to the 2020 report.

The team would like to express its thanks to all of the recorders, both resident and visiting, who have submitted their Dorset moth records for 2019. While the opportunity to visit the county will be limited in 2020 due to Covid-19 restrictions, we hope that many local recorders will use the opportunity to run traps at home. We look forward to seeing your records!

Mike Hetherington (editor)

GORDON HOPKINS

This Annual Report is dedicated to the late Gordon Hopkins, who sadly passed away in August 2019 at Salisbury Hospital after a prolonged period of ill health. Gordon was an experienced and enthusiastic moth recorder, a stalwart of the Dorset Moth Group and a member of the Garden Moth Scheme. He took over editorship of the Dorset Moth Group's newsletter in 2003, continuing until the final issue in April 2010. He carried on moth recording despite his health problems, and was still submitting records until the summer of 2018 – his last being described with characteristic humour as a 'moribund male Four-spotted Footman'.

Many of the Dorset Moth Group's old newsletters have now been archived on the Dorset Moths website: <http://www.dorsetmothgroup.info/portal/p/Newsletters>.

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HIGHLIGHTS OF THE YEAR

Jack Oughton

As per normal, Dorset continues to throw out interesting and exciting records, with 2019 being no different. A whole host of Dorset specialities and notable migrants were observed, as well as newcomers to the county.



Three species had their first Dorset appearance in 2019: **The Geometrician** *Grammodes stolidus*, *Moitrelia obductella* (photos of both on page 2) and *Ancylolema tentaculella* (photo left © PH). The Geometrician was recorded on Portland on the 24/09, being the third UK record. Three *Ancylolema tentaculella* were recorded, from Weymouth on the 25/07 and two from Portland on the 30/07 and 09/08. The *Moitrelia obductella* record was from larvae in Wyke Regis on the 20/06. As this was a larval record, it is likely a wandering female from Sussex or across the Channel was attracted to the site last year, when it laid eggs, establishing at least temporarily. The other very rare migrant of 2019 was the

micro-moth *Aethes deaurana*, at Broadway on the 16/06, which is the second UK record. It is worth noting that the first record of this species (trapped by PH) was 50m away in 2017. As two individuals have turned up so close to each other two years apart, it is possible this species is breeding locally, however larval searches have not been successful.

Several rare migrant species which were recorded several times include the **Radford's Flame Shoulder** *Ochropleura leucogaster* and the crambid **Grass Webworm** *Herpetogramma licarsisalis*.

Two rather notable and flashy species continue to spread across the county, the **Box-tree Moth** *Cydalima perspectalis* (photo right © PH) and the **Clifden Nonpareil** *Catocala fraxini* (photo below right © MH Puncknowle 3.10.19). The Box-tree Moth has spread from the Bournemouth area, with records starting to appear from central and west Dorset. Larval records have also been noted for the first time in the county, showing that this species is now resident. Clifden Nonpareil had 33 records from throughout the county, and while it has no doubt been breeding in Dorset for a few years now, it seems to be continuing to spread.



Dorset rarities and specialities continue to be recorded. The Dorset endemic *Eudarcia richardsoni* was recorded at several sites on Portland. Also associated with Portland, the **Portland Ribbon Wave** *Idaea degeneraria* was recorded mainly on Portland, but also a number of records from Brownsea Island, alongside a scattering of records elsewhere. The **Beautiful Gothic** *Leucochlaena oditis* has been joined by the **Flame Brocade** *Trigonophora flammea* as a cliffside regular on the cliffs of Portland in autumn.



The **Dingy Mocha** *Cyclophora pendularia* is still being recorded in a number of sites in east Dorset, including larval records. The day-flying **Drab Looper** *Minoa murinata* was recorded in several suitable woods in the northeast of the county during May. A single **Autumn Green Carpet** *Chloroclysta miata*, a very scarce species in Dorset, was

recorded from Brownsea Island during the spring. Another rarity for Dorset, **Cloaked Pug** *Eupithecia abietaria* was recorded singly in July.

Both the **Southern Chestnut** *Agrochola haematidea* and **Morris's Wainscot** *Photedes morrisii* were recorded once again from Dorset in 2019. These rare resident species have their UK strongholds here (shared with Hampshire and Devon respectively), and it is great to know of their continued survival in the county.

Migrants are included in more detail later on in this report, but some notable species include *Duponchelia fovealis*, *Catoptria verellus*, **Many-lined** *Costaconvexa polygrammata* and **Passenger** *Dysgonia algiria*.

While the **Four-spotted Footman** *Lithosia quadra* is now a common resident in some parts of Dorset, it was joined by some scarcer Footman species. The **Hoary Footman** *Eilema caniola* was recorded on four occasions, from west and central Dorset in August, while a single **Dotted Footman** *Pelosia muscerda* was recorded in Weymouth. Both these species are likely to be migrants.

The Holm Oak *Quercus ilex* feeding taxa continue to reside in the county, with **Sombre Brocade** *Dryobotodes tenebrosa* present at Durlston and **Oak Rustic** *Dryobata labecula* (photo right © PH) present in Durlston and Abbotsbury, in addition to a number of sites elsewhere. The leaf miner *Ectoedemia heringella*, which can be found within the leaves of Holm Oak, was recorded in Abbotsbury.

Other recent colonists continue to abound in Dorset, with records of **Channel Islands Pug** *Eupithecia ultimaria* being recorded from Abbotsbury, both **Cypress Tip Moth** *Argyresthia cupressella* (photo © PH Broadwey) and *A. trifasciata* being recorded in Weymouth and Walditch, and *Musotima nitidalis* from Brownsea Island.



A whole host of rare micro-moth species were recorded in Dorset, often by daytime observation and larval records. *Lyonetia prunifoliella* was recorded on three occasions, once in Toldpuddle and at two sites in Weymouth. *Pseudatemelia subochreella* had a single record from Tolpuddle. The Dyer's Greenweed feeding *Agonopterix atomella* and *Mirificarma lentiginosella* were recorded as larvae at several sites in late Spring/early Summer. *Caryocolum vicinella* was recorded as larvae on Hamm Beach. **Tansy Plume** *Gillmeria ochrodactyla* was recorded from Lyme Regis.

Notable tortricid moths include *Celypha aurofasciana* from Piddles Wood, *Rhopobota myrtilana* from near Portesham and *Rhopobota stagnana* from Stoborough Heath. *Acroclita subsequana* had a single Portland record this year. *Dichrorampha flavidorsana* was noted from East Lulworth. *Pammene ignorata* was recorded twice, from Puncknowle and from Weymouth, both in June. *Acleris umbrana* continues to increase in numbers in Dorset, with most records coming from the coast, however it is beginning to appear inland.

Crambus silvella was recorded at several sites in east Dorset, and *Crambus uliginosellus* was recorded at Arne.

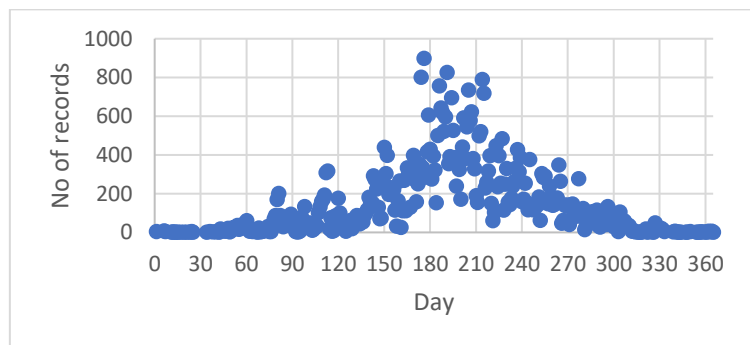
SUMMARY OF MOTH RECORDS RECEIVED 2019

Alison Stewart (Dorset Environmental Records Centre)

As of mid-April 2020, 48312 moth records for 2019 have been verified and accepted on Living Record. More records have since been added, and there are also records in iRecord which will be verified soon.

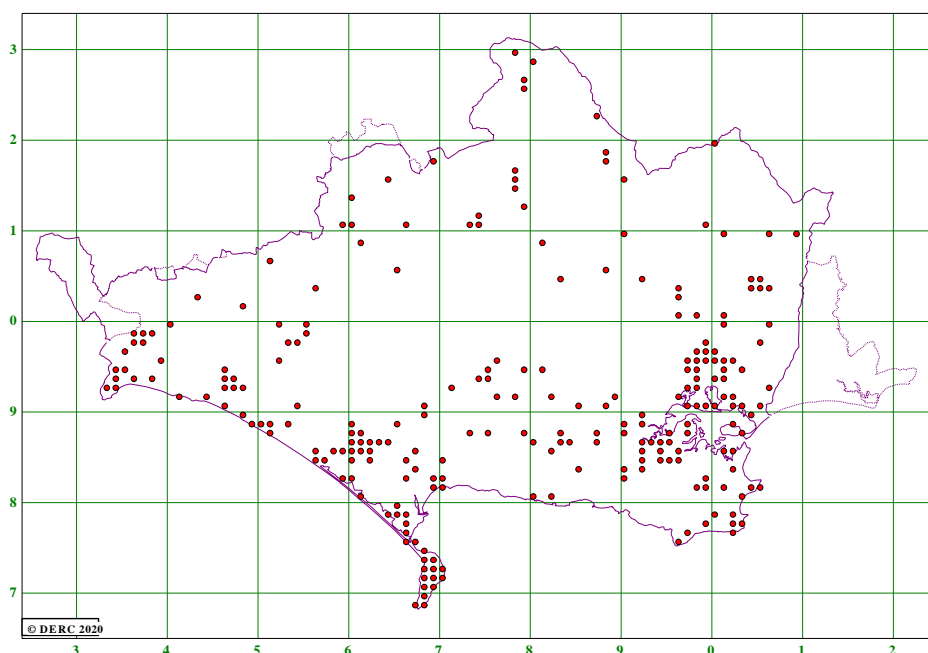
140 different recorders contributed to the total number of records. 12 recorders made over 1000 records each, which amounted to almost two-thirds of the total. The most prolific recorder made over 5000 records. The majority of records were entered by the recorders themselves or their organisation, with 12% being processed by one of the DMG verification team on their behalf.

Records were made on 328 days throughout the year. There was continuous recording from 11th February until 6th November. The peak number of records was made on 25th June with 899 records.



The majority of the records come from moth trapping, but day-flying moths, larval signs/leaf mines, sweeping and pheromone lures were among the other methods.

Records were made at over 480 locations (see below). These are well-distributed across the vice-county, but no 2019 records have been received as yet for ST20, ST30, ST70, and the peripheral areas in ST73, SU10 and SU11.



1174 different taxa were recorded, some of these being the difficult species aggregates, 1146 were identified to species. For 217 species, only one record was made. The top 20 most commonly recorded species are listed below.

Code	Species	Common name	Number of records
73.342	<i>Noctua pronuba</i>	Large Yellow Underwing	1292
73.317	<i>Agrotis exclamationis</i>	Heart & Dart	862
73.359	<i>Xestia c-nigrum</i>	Setaceous Hebrew Character	724
70.258	<i>Peribatodes rhomboidaria</i>	Willow Beauty	695
70.226	<i>Opisthograptis luteolata</i>	Brimstone Moth	639
73.099	<i>Hoplodrina ambigua</i>	Vine's Rustic	639
73.162	<i>Apamea monoglypha</i>	Dark Arches	623
73.329	<i>Ochropleura plecta</i>	Flame Shoulder	618
73.291	<i>Mythimna pallens</i>	Common Wainscot	562
73.249	<i>Orthosia gothica</i>	Hebrew Character	536
49.039	<i>Epiphyas postvittana</i>	Light Brown Apple Moth	532
73.325	<i>Agrotis puta</i>	Shuttle-shaped Dart	482
70.016	<i>Idaea aversata</i>	Riband Wave	451
73.357	<i>Xestia xanthographa</i>	Square-spot Rustic	440
73.244	<i>Orthosia cerasi</i>	Common Quaker	419
73.345	<i>Noctua comes</i>	Lesser Yellow Underwing	416
70.141	<i>Gymnoscelis rufifasciata</i>	Double-striped Pug	398
73.015	<i>Autographa gamma</i>	Silver Y	385
69.016	<i>Deilephila elpenor</i>	Elephant Hawk-moth	369
63.080	<i>Chrysoteuchia culmella</i>	Garden Grass Veneer	364

A provisional comparison with the key figures from 2017 and 2018 is given below. The increase in the number of taxa recorded is partly due to over 100 micromoth species which weren't recorded in the previous two years.

	2017	2018	2019
No. of records	45773	55706	48312
No. of recorders	122	162	140
No. of dates	307	298	328
No. of taxa	1055	1062	1174



Silver Y *Autographa gamma* – just makes it into the Dorset VC9 Top Twenty 2019. (Photo © MH).

LIST OF RECORDERS 2019

Our thanks go out to all of the following who submitted Dorset records for 2019 that have been included in this report. Please accept our apologies for any errors or omissions.

AB	Adrian Bicker	JSt	Joe Stockwell
ABe	Alan Bernard	JW	John Williamson
AF	Andrew Foster	JWh	Jim White
AG	Abigail Gibbs	JWi	John Winterbottom
AS	Alison Stewart	KB	Katie Black
ASQ	Alan St Quintin	LP	Luke Phillips
AT	Ali Tuckey	MC	Martin Cade
BF	Bob Ford	M&DR	Martin & Delysia Raper
BJ	Bob Johnson	MH	Mike Hetherington
BP	Bryan Pickess	ML	Megan Lowe
CA	Carole Argles	MP	Mark Parsons
CB	Colin Burningham	MPx	Michael Plaxton
CBk	Chris Becker	MW	Martin Wood
CBu	Caroline Bulman	NH	Nicholas Hull
CC	Caroline Clay	NHo	Nick Howell
CF	Chris Fox	NP	Nick Picozzi
CH-D	Christina Hart-Davis	NS	Neil Sherman
CL	Chris Lewis	NT	Nicki Tutton
CLd	Caroline Leatherdale	NSp	Nigel Spring
CM	Chris Manley	NW	Nick Woods
CT	Chris Thain	PB	Paul Butter
DB	David Brown	PBJ	Peter Bruce-Jones
DCGB	David C G Brown	PE	Phyl England
DD	David Dean	PF	Pam Field
DF	Dave Foot	PH	Paul Harris
DL	Durwyn Liley	PGS	P G Smith
DS	Debra Saunders	PS	Phil Sterling
EB	Ed Bennett	RA	Richard Adams
ED	Ethan Donovan	RF	R Forrester
GD	Graeme Davis	RH	Ray Hiley
GN	Gillian Nash	RJ	Rob Jones
GS	Geoffrey Sell	RaJ	Rachel Jones
GV	Georgia Vincent	RP	Rebecca Porter
HW	Henry Wheatcroft	RS	Rob Skinner
HWH	Hugo Wood Homer	SH	Steve Hales
ID	Ian Duckworth	SG	Samuel Gray
JB	John Bebbington	S-JB	Sarah-Jane Buckle
JBt	John Butler	SL	Samuel Levy
JC	James Cartwright	SW	Steve Whitehouse
JD	John Down	TG	T W Green
JE	Josie Emmerson	TW	Tom Weston
JF	Julian Francis	WF	Wren Franklin
JG	John Gifford	WS	Will Soar
JHC	Julian Clarke	ZC	Zoe Caals
JI	Jamie Iles	ZR	Zoe Randle
JK	John Kennedy		
JL	James Lowen		
JO	Jack Oughton		
JS	Jenny Seawright		

MACRO-MOTHS 2019

Paul Butter & Mike Hetherington

Significant VC9 macro-moth records are listed below. Unless otherwise stated, all records are of adult moths. Where no quantity was recorded a single moth has been assumed.

COSSOIDEA

COSSIDAE

50.002 *Zeuzera pyrina* **Leopard moth** Lyme Regis 28/06 (1), 17/07 (1), 25/07 (1), 02/08 (1) PB; Piddles Woods 26/06 (1) DF; Arne 06/07 (1) LP & 09/07 (1) AG & CT; Stoborough 10/07 (1) DL; Abbotsbury 18/07 (1) SH; Tolpuddle 22/07 (1), 26/07 (1) JF; Northport 25/07 (1) RA; Puddletown 25/07 (1) HWH & 06/07 (1) RP; Broadmayne 31/07 (2) PBJ; Bridport 03/08 (1) AF.

SESIIDAE

52.008 *Synanthedon formicaeformis* **Red-tipped Clearwing** Higher Hyde Heath 29/06 (1) MS.

52.010 *Synanthedon andrenaeformis* **Orange-tailed Clearwing** Turnworth Down 10/7 (15) AF. At pheromone lure.

52.011 *Synanthedon myopaeformis* **Red-belted Clearwing** Badbury Rings (3) MW.

52.012 *Synanthedon vespiformis* **Yellow-legged Clearwing** Holt Heath, 01/06 (1) MW; Whitesheet Plantation 01/06 (1) MW; Creech Woodland 12/07 (1) AF; Badbury Rings, 25/07 (1) MW. All at pheromone lures.

52.013 *Synanthedon tipuliformis* **Currant Clearwing** Kingston Lacey, 30/05 (2) JS; Bridport 09/06 (1) MP; Dorchester, 21/06 (2) JD.

52.014 *Bembecia ichneumoniformis* **Six-belted Clearwing** Cogden 23/07 (3) AF; Badbury Rings, 25/07 (3) MW. All to pheromone lures.

ZYGAENOIDEA

ZYGAENIDAE

54.002 *Adscita statices* **Forester** 'A few flying in meadow at entrance to Abbotsbury Swannery, end June 2019' JSt (confirmed by PS); Durdle Door, 16/07 (1) CC.

54.009 *Zygaena lonicerae* **Narrow-bordered Five-spot Burnet** Puddletown, 02/07 (1) MP.

DREPANOIDEA

DREPANIDAE

65.001 *Falcaria lacertinaria* **Scalloped Hook-tip** Verwood 18/04 (1), 23/05 (1), 25/08 (1) ZC; Lytchett Bay 22/04 (1) NH; Seven Barrows 31/05 (1), 03/08 (1) AG & CT; Stoborough Heath 13/06 (1) NS; Upton Heath 25/06 (1) CT; Durlston 05/07 (1) AT; East Lulworth 10/07 (1) MP; Abbotsbury 18/07 (1) SH; Tolpuddle 23/07 (2) JF; Pimperne 25/07 (1) CA; Brownsea Island 25/07 (3) NT; Seven Barrows 26/07 (1), 03/08 (1) CT; Arne Moors West 31/07 (1), 27/08 (1) AG & CT; Arne 02/08 (1) LP; Holton Lee 22/08 (1) AG & CT; Broadmayne 27/07 (1), 02/08 (1) PBJ; Broadstone 10/9 S-JB.

65.003 *Watsonalla cultraria* **Barred Hook-tip** Beaminster 21/07 (1) SH.

65.008 *Thyatira batis* **Peach Blossom** Tolpuddle 13/05 (1) JF; Whitchurch Canonicorum 04/06 (1) LP; Lyme Regis 14/06 (1) PB; Walditch 16/06 (1) MP; Swanage 25/06 (1) PE; Thornford 29/06 (1) NH; Piddles Wood 29/06 (1); Beaminster 07/07 (1) M&DR; Wareham 09/07 (1) AG & CT; Ryewater 12/07 (1) WF; Hooke Park 21/07 (1) SH; Charmouth 02/08 (1) GS.

65.010 *Tethea ocularis* **Figure of Eighty** (right) 15 records generally distributed but all but one as singles. (Photo © MH Puncknowle 1.6.19).



65.013 *Ochropacha duplaris* **Common Lutestring** Puddletown 30/05 (1) HWH; Bridport 06/06 (1) AF; Lyme Regis, 23/06 (1) PB; Tolpuddle 24/06 (1) JF; Broadmayne 29/06 (1), 11/07 (1) PBJ; Piddles Wood 29/06 (1) DF; Ballard Point 01/07 (1) AG & CT; Woodlands, 04/07 (1) ML; Ryewater, 10/07 (1) WF; Verwood, 27/07 (1) ZC.

65.015 *Polyphoca ridens* **Frosted Green** Wareham 21/03 (1) CT; Puddletown 4 between 26/03 & 21/04 HWH; Broadstone 26/03 (1) AB; Lytchett Bay 26/03 (1), 27/03 (1) NH; Leigh 07/04 (1) GN; Poole 07/04 (1) PF; Broadmayne 08/04 (1), 23/04 (1) PBJ; Stoborough 17/04 (1) DL; Yetminster 18/04 (2), 22/04 (1), 23/04 (1) CB; Dorchester 23/04 (1) JD.

65.016 *Achyla flavicornis* **Yellow Horned** Four records from central Dorset. Arne, 01/03 (1) LP; Puddletown 15/03 (1) HWH; Wareham Forest 22/03 (1) RH; Hooke Park 22/03 (1) SH.

LASIOCAMPOIDEA

LASIOCAMPIDAE

66.005 *Eriogaster lanestris* **Small Eggar** Broadwey 20/03 (1) DD; Wareham Forest 20/03 (1) RH; Pimperne 21/03 (1) CA; Dorchester 21/03 (1) JD; Beaminster 22/03 (1) M&DR; Puddletown 24/03 (1) HWH. Larval web records: Cogden, 22/05 (21 larvae) MP; Lodmoor 3/6 (nest on *Crataegus* sp.) AP; Overcombe 3/6 (nest on *Salix* sp.).

66.008 *Macrothylacia rubi* **Fox Moth** Twenty two records from ten sites all in the south of the county between Bridport and Swanage.

66.012 *Gastropacha quercifolia* **Lappet** Puddletown 04/07 (1) HWH; Bridport 09/07 (1) AF; Whitchurch Canonicorum 10/07 (1) LC; Portesham 13/07 (1) JO; Tolpuddle 13/07 (2), 15/07 (1), 18/07 (1), 22/07 (1) & 24/07 (1) JF; Abbotsbury 18/07 (1) SH; Hooke Park 21/07 (1) SH.

BOMBYCOIDEA

SATURNIIDAE

68.001 *Saturnia pavonia* **Emperor Moth** All records from heaths in SE Dorset. Wareham Forest 10/04 (1) RH; Grange Heath 16/04 (1), 22/04 (1) AG & CT; East Stoke 17/04 (1) AS; Holt Heath 20/04 (3), 13/05 (5), MW; Creech Heath 23/04 (2), 29/04 (1) AG & CT.

SPHINGIDAE

69.001 *Mimas tiliae* **Lime Hawk-moth** Puddletown 23/04 (1) HWH; Charmouth 19/05 (1) GS; Tolpuddle 30/05, 31/05, 01/06, 09/06, 23/06 & 24/06 all singles JF; Upton Heath 01/06 (1) GV; Broadwey 07/06 (1), 24/06 (1) PH; Whitchurch Canonicorum 18/06 (1) LP; Yetminster 18/06 (1), 27/06 (1) CB; Leigh 26/06 (1), 02/07 (1) GN.

69.004 *Agrius convolvuli* **Convolvulus Hawk-moth** 26 records across southern half of the county. (Photo © JF Tolpuddle 27.9.19).

69.005 *Acherontia atropos* **Death's-head Hawk-moth** Just one record: Portland 13/10 (1) JC.

69.008 *Hemaris tityus* **Narrow-bordered Bee Hawk-moth** Powerstock 10/05 (1) MP.

69.009 *Hemaris fuciformis* **Broad-bordered Bee Hawk-moth** Stoborough 05/05 (1) ID; Middlebere 06/06 (1) TW; Puddletown 22/06 (1) RP; Brownsea Island 23/06 (2) NT.

69.010 *Macroglossum stellaratum* **Humming-bird hawk-moth** 70 records throughout the county.

69.014 *Hyles gallii* **Bedstraw Hawk-moth** Puddletown 29/06 (1) HWH.

69.018 *Hyppotion celerio* **Silver-striped Hawk-moth** Durlston 27/09 (1) DCGB.

GEOMETROIDEA

GEOMETRIDAE

70.002 *Idaea muricata* **Purple-bordered Gold** Brownsea Island 25/07 (1) NT; Lytchett Bay 26/06 (1) NH; Arne Moors West 31/07 (1) AG & CT.

70.004 *Idaea rusticata* **Least Carpet** Broadway 01/07 (1), 27/07 (2), 31/07 (1) PH; Arne 08/07 (1) LP; Puddletown 09/07 (1) HWH; Stoborough 13/07 (1) DL; Yetminster 20/07 (1), 03/08 (1) CB; Walditch 22/07 (1) MP; Swanage 27/07 (1), 28/07 (1) PE. (Photo © PH Broadway 1.7.19).

70.009 *Idaea subsericeata* **Satin Wave** Twenty records from twelve locations, mainly southern.

70.010 *Idaea sylvestraria* **Dotted Border Wave** Arne 06/07 (1), 07/07 (2), 02/08 (1) LP; Stoborough 13/07 (1) NS; Stoborough Heath 20/07 (3) JL; Seven Barrows 20/07 (1) CT; Slepe Heath 24/07 (3) JL; Stoborough 25/07 (3) JL.

70.015 *Idaea emarginata* **Small Scallop** Upton Heath 25/06 SL & ED; Ryewater 12/07 (1) WF; Stoborough Heath 12/07 (2), 14/07 (1) SG; Stoborough 21/07 (1) JL; Ham Common 06/08 (1) CT.

70.017 *Idaea degeneraria* **Portland Ribbon Wave** Portland Bird Observatory 25/06 (15) MC; Abbotsbury 31/08 (1) SH; Portland 09/06 (1), 04/07 (1), 07/07 (1), 10/07 (1) JW & 11/09 (1) CL; Swanage 25/06 (1) PE; Brownsea Island 06/07 (1), 20/07 (1), 01/08 (3), 02/08 (2), 07/08 (1), 08/08 (1) NT; Puddletown 25/09 (1) HWH.

70.018 *Idaea straminata* **Plain Wave** Puddletown 25/06 (1) HWH; Upton Heath 25/06 (1) AG & CT & 02/07 (1) 19/07 (1) GV; Arne 06/07 (1), 07/07 (3) 09/07 (1) LP & 09/07 (4) AG & CT; Holt Heath 13/07 (2) MW; Stoborough 13/07 (1) NS; Slepe Heath 24/07 (1) JL; Ulwell 01/08 (1) DB; Arne 01/08 (1) DB; Sandford 23/08 (1), 24/08 (1), 25/08 (1) BP.

70.025 *Scopula immutata* **Lesser Cream Wave** Coneygar 07/07 (1) HW; Minstead 08/07 (1) JK; Arne Moors West 24/07 (1) AG & CT; Puddletown 26/07 (1) HWH.

70.027 *Scopula floslactata* **Cream Wave** Puddletown 14 between 17/05 & 16/06 HWH;



Coneygar 19/05 (1), 08/07 (2) HW; Tolpuddle 19/05 (1), 21/05 (1) JF; Wootton Fitzpaine 21/05 (1), 25/05 (1), 31/05 (1) CL; Broadmayne 22/05 (1), 23/05 (2) PBJ; Lyme Regis 23/05 (1), 30/05 (1) PB; Verwood 26/05 (1) ZC; Whitchurch Canonicorum 04/06 (2) LP; Lytchett Bay 07/07 (2), 20/07 (1) NH.

70.028 *Scopula emutaria* **Rosy Wave** Arne 07/07 (2) LP; 09/07 (1), 16/07 (1) AG & CT; Stoborough 13/07 (1) NS.

70.030 *Cyclophora pendularia* **Dingy Mocha** Tolpuddle 04/08 (1) JF; Sandford 30/05 (1), 24/08 (1) BP; Winfrith Heath, 12/08 (1 larva) MP.

70.032 *Cyclophora albipunctata* **Birch Mocha** Stoborough 25/04 (1), 03/08 (1) DL; Brownsea Island 11/05 (1), 01/08 (3), 02/08 (1), 08/08 (3) NT; Broadstone 30/05 (1) AB; East Stoke 26/07 (1) AS; Arne 02/08 (1) LP; Verwood 02/08 (1) ZC; Wareham 11/08 (1) RA; Poole 11/08 (1) NH; East Lulworth 02/09 (1) MP; Beacon Hill, Poole 12/09 (1) JC.

70.033 *Cyclophora pupillaria* **Blair's Mocha** Bridport 24/06 (1), 17/07 (1), 18/07 (1), 30/07 (1), 12/08 (1), 19/09 (1), 16/09 (1), 21/09 (1), 24/09 (1), 25/09 (2), 26/09 (1), 30/09 (2), 01/10 (1), 05/10 (1), 11/10 (1), 13/10 (1), 15/10 (1), 20/10 (1), 31/10 (1), 04/11 (1) AF; Portland Bird Observatory 25/06 (1) MC; West Bay, 27/08 (1) NP; Walditch, 21/09, 05/10, 11/10, 14/10, & 23/10 all singletons MP; Hamworthy Park Poole, 26/09 (1) CT; Abbotsbury, 05/10 (1) SH.

70.034 *Cyclophora ruficiliaria* **Jersey Mocha** Walditch 25/08 (1) MP.

70.037 *Cyclophora linearia* **Clay Triple-lines** Hooke Park 18/05 (4), 21/07 (1) SH; Abbotsbury 24/05 (1), 14/06 (1), 15/06 (1) SH; Seven Barrows 31/05 (1), 07/07 (1), 23/08 (1) CT; Walditch 31/05 (1), 26/07 (1), 16/08 (1) MP; Dorchester 23/06 (1) JD; Charmouth 05/07 (1) GS; Pimperne 05/07 (1), 25/07 (1) CA; Swanage 24/07 (1), 27/07 (1) PE; Arne 08/07 (1) LP; East Lulworth 13/08 (1) ZR; Seven Barrows 03/08 (3), 15/08 (1) CT.

70.038 *Rhodometra sacraria* **Vestal** Migrant with 22 records widely distributed through the county.

70.041 *Scotopteryx luridata* **July Belle** Tolpuddle 25/06 (1) JF; Holt Heath 13/07 (2) MW; Stoborough 13/07 (1) DL; Stoborough Heath 20/07 (19) JL.

70.043 *Scotopteryx bipunctata* **Chalk Carpet** Friar Wadden 05/07 (1) AB; Lyme Regis 31/07 (1), 13/08 (2) PB; Charmouth 01/08 (2), 29/08 (1) GS; Portland 03/08 (1) DD and 11/09 (2) CL.

70.045 *Scotopteryx chenopodiata* **Shaded Broad-bar** Twelve records all from west of the county. Lyme Regis 23/06 (1), 02/08 (50), 04/08 (3), 13/08 (17) PB and 17/08 (1), MP; Charmouth 02/07 (1) GS; Ryewater 10/07 (1) WF; Bridport 23/07 (1) AF; Puddletown 24/07 (1) HWH; Hooke Park 27/07 (1) SH; Yetminster 06/08 (1) CB; Broadmayne 15/08 (1) PBJ; Abbotsbury 31/08 (1) SH.

70.046 *Orthonama vittata* **Oblique Carpet** Stoborough 26/06 (1), 01/08 (1) DL; Arne Moors West 21/07 (1), 12/08 (3), 27/08 (3) AG & CT; Holton Lee 02/08 (1) CT; Arne Moors East 20/08 (5) AG & CT;

70.047 *Nycterosea obstipata* **Gem** Abbotsbury 08/05 (1) SH.

70.052 *Xanthorhoe ferrugata* **Dark-barred Twin-spot Carpet** Lytchett Bay 30/03 (1) NH (confirmed by PH); Hooke Park 21/07 (1) SH.

70.056 *Catarhoe cuculata* **Royal Mantle** Portland 24/07 (1) SH.

- 70.057 *Catarhoe rubidata* **Ruddy Carpet** Puddletown 25/06 (1) HWH; Lyme Regis 25/06 (1) PB.
- 70.058 *Costaconvexa polygrammata* **Many-lined** Northport 29/06 (1) RA; Dorchester 21/09 (1) JD.
- 70.062 *Epirrhoe rivata* **Wood Carpet** Puddletown 25/06 (1) HWH; Piddles Wood 04/07 (1) DF; Charmouth 05/07 (1), 13/07 (1) GS.
- 70.063 *Epirrhoe galiata* **Galium Carpet** Piddles Wood 04/07 (1) DF; Kingcombe 05/07 (1) JB; Portland 18/05 (1), 23/05 (1), 31/05 (1), 10/07 (2), 14/07 (2), 26/07 (1), 15/09 (1) JW and 24/07 (1) SW and 11/09 (10) CL; Charmouth 22/06 (1) GS; Dorchester 07/07 (1), 23/07 (1) JD; Portesham 13/08 (1) JO; East Lulworth 25/09 (1) MP.
- 70.064 *Euphyia biangulata* **Cloaked Carpet** Kingcombe 06/07 (1) JB; Whitchurch Canonorum 10/07 (1) LP; East Lulworth 10/07 (1) MP; Portesham 10/07 (1) JO; Verwood 13/07 (1) ZC.
- 70.065 *Euphyia unangulata* **Sharp-angled Carpet** Wareham Forest 25/06 (1) RH; Stoborough 26/06 (1) DL; Yetminster 27/06 (1) CB; Verwood 04/07 (1) ML; Piddles Wood 04/07 (1) DF; Monkton Wyld 09/07 (2) CL; Whitchurch Canonorum 10/07 (2) LP.
- 70.070 *Larentia clavaria* **Mallow** Burton Bradstock 06/10 (1) MP; Portland 13/10 (1) JC; Stoborough 15/10 (1) DL.
- 70.075 *Hydriomena impluviata* **May Highflyer** Records mainly in the west of the county. Brownsea Island 21/05 (1) NT; Leigh 27/05 (1) GN; Bridport 29/05 (1) AF; Beaminster 30/05 (1) M&DR; Tolpuddle 30/05 (1) JF; Puddletown 30/05 (1) HWH; Broadwey 31/05 (1), 02/06 (1), 04/06 (1), 05/06 (1) DD; Dorchester 01/06 (1) JD; Walditch 01/06 (1) MP; Lyme Regis 03/06 (1) PB; Abbotsbury 15/06 (1) SH.
- 70.090 *Eulithis testata* **Chevron** Stoborough Heath 13/07 (1) NS, 20/07 (2) JL; Slepe Heath 24/07 (1) JL; East Moors Arne 31/07 (1) AG & CT; Lyme Regis 02/08 (4), 11/08 (1), 13/08 (1) PB.
- 70.092 *Eulithis melinata* **Spinach** Hooke Park 21/07 (1) SH; Charmouth 22/07 (1) GS.
- 70.096 *Chloroclysta miata* **Autumn Green Carpet** Brownsea Island 22/04 (1) NT.
- 70.099 *Colostygia olivata* **Beech-green Carpet** Portland 24/07 (1) SW
- 70.101 *Colostygia multistrigaria* **Mottled Grey** Charmouth 18/03 (2), 20/03 (2) GS; Hooke Park 22/03 (1) SH; Burton Bradstock 28/3 (1) AF.
- 70.103 *Lampropteryx suffumata* **Water Carpet** 19 records widely distributed throughout the county, including an unusual record at Portland Bird Observatory 21/4 (1) MC.
- 70.111 *Asthea albulata* **Small White Wave** Bracketts Coppice 25/04 (3) MP; Puddletown 30/04 (1) HWH; Iwerne Minster 07/05 (2) MP; Lyme Regis 30/05 (1), 13/08 (1) PB; Tolpuddle 31/05 (1) JF; Walditch 28/07 (1) MP.
- 70.112 *Euchoeca nebulata* **Dingy Shell** Brownsea Island 23/06 (1), 02/07 (1) NT; Seven Barrows 05/07 (1) AG & CT; Bridport 23/07 (1) AF.
- 70.113 *Hydrelia sylvata* **Waved Carpet** Hooke Park 21/07 (1) SH.
- 70.117 *Minoa murinata* **Drab Looper** Ashmore Wood 15/05 (4) MP; Pribdean Wood 15/05 (1) MP; Garston Wood 15/05 (1) MP.

70.118 *Philereme vetulata* **Brown Scallop** Pimperne 05/07 (1) CA; Puddletown 10/07 (1), 13/07 (1), 14/07 (1) HWH; Ryewater 12/07 (5) WF; Stoborough 13/07 (1) NS; Stoborough 25/07 (1) JL.

70.119 *Philereme transversata* **Dark Umber** Swanage 25/06 (1) PE; Ryewater 10/07 (1) WF; Tolpuddle 13/07 (1) JF; Yetminster 17/07 (1), 28/07 (1), 30/07 (1) CB; Puddletown 02/08 (1) HWH.

70.121 *Hydria undulata* **Scallop Shell** Walditch 23/06 (1) MP; Brownsea Island 23/06 (1), 06/07 (1) NT; Charmouth 24/06 (1), 10/07 (1) GS; Puncknowle 05/07 (1) MH; Broadstone 05/07 (1) JS; Puddletown 10/07 (1) HWH; Hooke Park 21/07 (1) SH; Seven Barrows 14/07 (1) AG & CT; Stoborough 10/07 (1), 26/07 (1) DL; Sandford 11/08 (1) BP. (Photo © MH Puncknowle 5.7.19).



70.127 *Horisme testata* **Fern** Durlston 22/05 (1) AT; Thornford 25/06 (1) NH; Yetminster 13 records between 29/05 & 23/07 CB; Walditch 30/05 (1) MP; Ballard Point 17/06 (1) CT; Tolpuddle 26/07 (1) JF; Swanage 21/07, 24/07 & 02/08 singles PE.

70.128 *Melanthia procellata* **Pretty Chalk Carpet** Lyme Regis 23/06 (3) PB; Walditch 24/08 (1) MP; Yetminster 24/05 (1) CB; Dorchester 09/07 (1) JD; Tolpuddle 12/09 (1) JF; Puddletown 24/05 (1) 20/09 (1) HWH; Ballard Point 25/05 (1) 09/06 (1) 17/06 (1) AG & CT.

70.132 *Perizoma affinitata* **Rivulet** Generally confined to the western half of the county. Walditch 17/05 (1), 22/05 (1), 22/06 (1), 23/06 (1), 17/07 (1) MP; Leigh 20/05 (1), 22/05 (1), 09/07 (1) GN; Yetminster 23/05 (1) CB; Abbotsbury 24/05 (1) SH; Charmouth 25/05 (1), 23/06 (1) GS; Broadwindsor 05/06 (1) JE; Whitchurch Canonicorum 06/06 (2), 05/06 (1), 09/06 (1) LP; Puncknowle 08/06 (1), 09/07 (1) MH; Lyme Regis 23/06 (1), 04/07 (1) PB; Bridport 07/07 (1) AF; Stoborough 13/07 (1) DL; Broadmayne 25/07 (1) PBJ.

70.134 *Perizoma bifaciata* **Barred Rivulet** Portland 10/07 (1), 18/07 (1) JW & 24/07 (1) SW.

70.146 *Eupithecia haworthiata* **Haworth's Pug** Yetminster six singletons between 29/06 & 24/07 CB; Puncknowle 05/07 (1) MH; Walditch 06/07 (1) MP; Tolpuddle 23/07 (1), 28/07 (1) JF; Lyme Regis 23/07 (1) PB; Broadway 28/07 (1) PH.

70.147 *Eupithecia tenuiata* **Slender Pug** Almost all along the SW coast area. East Stoke 14/06 (1) AS; Walditch 17/06 (1) MP; Puddletown 28/06 (1) HWH; Broadmayne 07/07 (1), 18/07 (1), 24/07 (1), 25/07 (1) PBJ; Portesham 10/07 (1) JO; Whitchurch Canonicorum 10/07 (1), 28/07 (1) LP; Stoborough 13/07 (1) NS; Puncknowle 15/07 (1) MH; Lyme Regis 21/07 (1) CM; Tolpuddle 21/07 (1) JF.

70.148 *Eupithecia inturbata* **Maple Pug** Pimperne 07/07 (2) C; Broadway 13/07 (2), 18/07 (3), 21/07 (1), 24/07 (1), 27/07 (1), 02/08 (1) PH; Puddletown 16/07 (1) HWH; Lyme Regis 21/07 (2) CM; Dorchester 31/07 (1), 01/08 (1) JD.

70.149 *Eupithecia abietaria* **Cloaked Pug** Puddletown 19/07 (1) HWH (gen det PS).

70.150 *Eupithecia linariata* **Toadflax Pug** Portland 04/07 (1) JW; Dorchester 07/07 (1) JD; Broadmayne 27/08 (1) PBJ.

70.152 *Eupithecia ultimaria* **Channel Islands Pug** Abbotsbury 26/07 (1) SH (ID by PS).

70.153 *Eupithecia plumbeolata* **Lead-coloured Pug** Piddles Wood 29/06 (3), 04/07 (2) DF.

- 70.159 *Eupithecia phoeniceata* **Cypress Pug** Northport 11/08 (1), 12/09 (1) RA; Broadstone 21/08 (1) PF & 24/08 (1) AB; Broadway 10 between 24/08 & 30/09 PH; Canford 06/09 (1) TG; Poole 11/09 (3) AG & CT; Charmouth 13/09 (1) GS; Puncknowle 21/09 (1) MH; Wimborne 21/09 (1) MW.
- 70.160 *Eupithecia tripunctaria* **White-spotted Pug** 26 records from six sites in the west of the county.
- 70.162 *Eupithecia tantillaria* **Dwarf Pug** Hooke Park 18/05 (1) SH; Puddletown 23/05 (1) HWH; Walditch 24/05 (1) MP; Arne 18/07 (4) LP.
- 70.163 *Eupithecia lariciata* **Larch Pug** Sandford 17/04 (1) BP; Broadmayne 01/06 (1), 08/06 (1), 15/06 (1) PBJ; Puddletown 19/06 (1) 10/07 (1) HWH; Walditch 05/07 (1) MP.
- 70.166 *Eupithecia simplicata* **Plain Pug** Broadway 01/07 (1) PH.
- 70.169 *Eupithecia innotata* **Angle-barred Pug** Hooke Park 11/05 (1) SH; The Fleet 02/07 (1) SH; Portesham 10/07 (1) JO.
- 70.170 *Eupithecia irriguata* **Marbled Pug** Powerstock 20/04 (10) NS
- 70.171 *Eupithecia indigata* **Ochreous Pug** Broadway 22/04 (1) PH; Broadstone 12/05 (1), 18/05 (1) PF; Puddletown 26/05 (1) HWH; Arne 28/05 (1) AG & CT;
- 70.176 *Eupithecia intricata* **Freyer's Pug** Walditch 22/06 (1) MP; Wareham 23/05 (1) RA; Yetminster 29/05 (1), 06/06 (1), 16/06 (1), 19/06 (1) CB; Sandford 29/05 (1), 03/06 (1) BP; Lyme Regis 30/05 (1) PB; Abbotsbury 09/06 (1), 14/06 (1), 15/06 (1) SH; Broadmayne 17/06 (1) PBJ; Puddletown 10/07 (1) HWH.
- 70.177 *Eupithecia satyrata* **Satyr Pug** Upton Heath 25/06 (1) GV.
- 70.179 *Eupithecia absinthiata* **Wormwood Pug** Broadmayne 25/06 (1) PBJ; Puncknowle 28/06 (1) MH; Dorchester 28/06 (2) JD; Walditch 05/07 (1) MP; Charmouth 07/07 (1) GS; Arne 08/07 (1), 09/07 (1) LP; Stoborough Heath 13/07 (1) NS; Portland 14/07 (1), 18/07 (1) JW & 24/07 (1) SW; Yetminster 24/07 (1) CB; Lyme Regis 04/08 (1) PB; Tolpuddle 15/08 (1) JF.
- 70.181 *Eupithecia valerianata* **Valerian Pug** Puddletown 14/05 (1), 12/06 (1) HWH.
- 70.182 *Eupithecia assimilata* **Currant Pug** Pimperne 10/05 (1), 05/07 (1) CA; Broadway 19/05 (1), 23/07 (2), 27/07 (1) PH; Tolpuddle 19/05 (1) JF; Puddletown 19/05 (1) HWH; Thornford 04/06 (1), 08/06 (1) NHo; Swanage 20/06 (1) PE; Swanage 05/07 (1) PE; Wareham 07/07 (1) AG & CT; Broadmayne 27/08 (1) PBJ.
- 70.187 *Eupithecia icterata* **Tawny Speckled Pug** Swanage 27/07 (1) PE; Broadway 27/08 (1) PH.
- 70.188 *Eupithecia succenturiata* **Bordered Pug** Puddletown 13/07 (1), 17/07 (1), 19/07 (1) HWH; East Stoke 23/07 (1) AS.
- 70.192 *Aplocera plagiata* **Treble-bar** Hamworthy 14/05 (1) JB; Canford 09/06 (1) TG; East Stoke 14/06 (2) AS.
- 70.193 *Aplocera efformata* **Lesser Treble-bar** Pimperne 02/08 (1) CA.
- 70.198 *Lobophora halterata* **Seraphim** Bridport 22/04 (1), 28/04 (1) AF; Dorchester 17/05 (1) JD; Puddletown 19/05 (1), 25/05 (1) HWH; Abbotsbury 21/05 (1) SH; Yetminster 23/05 (1) CB; Charmouth 23/05 (1) GS; Whitchurch Canonicorum 04/06 (1) LP.

- 70.202 *Trichopteryx carpinata* **Early Tooth-striped** 27 records generally distributed.
- 70.199 *Pterapherapteryx sexalata* **Small Seraphim** 22 records generally distributed in southern half of county.
- 70.211 *Macaria notata* **Peacock Moth** Brownsea Island 13 between 22/04 & 02/08 NT; Puddletown 30/05 (1) HWH; Seven Barrows 31/05 (1) AG & CT; Arne 24/07 (1) AG & CT; 02/08 (1) LP & 02/08 (1).
- 70.229 *Pseudopanthera macularia* **Speckled Yellow** Stonebarrow 06/05 (1) MP; Hardy Monument 12/05 (2) JO; Golden Cap 22/05 (12) PB; Higher Hyde Heath 24/05 (1) RP.
- 70.230 *Angerona prunaria* **Orange Moth** Whitchurch Canonicorum 10/07 (1) LP.
- 70.231 *Apiera syringaria* **Lilac Beauty** All from western half of the county. Beaminster 22/06 (1), 27/06 (2) M&DR; Leigh 28/06 (1) GN; Piddles Wood 29/06 (1) DF; Yetminster nine between 27/06 & 21/09 CB and a single on 06/07 MH; Whitchurch Canonicorum 10/07 (1) LP; Bridport 10/7 (1) AF; Broadway 18/07 (1) PH; Hooke Park 21/07 (1) SH.
- 70.233 *Ennomos quercinaria* **August Thorn** Verwood 13/07 (1) ZC; Tolpuddle 27/07 (1), 24/08 (1) JF; Abbotsbury 20/08 (1) SH; Dorchester 21/08 (1) JD; Broadway 24/08 (1) DD; Charmouth 25/08 (1), 02/09 (1) GS; Yetminster 21/09 (1) CB.
- 70.236 *Ennomos erosaria* **September Thorn** Yetminster 24/07, 14/08, 15/08, 29/08 & 02/09 all singles CB; Ryewater 07/08 (1) WF; Tolpuddle 21/09 (1) JF.
- 70.238 *Selenia lunularia* **Lunar Thorn** Yetminster 24/05 (1), 30/05 (1), 28/07 (1) CB; Lyme Regis 31/07 (1), 02/08 (1) PB.
- 70.239 *Selenia tetralunaria* **Purple Thorn** Broadwindsor 19/04 (1) JE; Powerstock 20/04 (1) NS; Seven Barrows 21/04 (1) AG & CT; Dorchester 22/04 (1) JD; Tolpuddle nine between 22/04 & 27/07 JF; Charmouth 22/04 (1), 25/07 (1), 28/07 (1) GS; Lyme Regis 23/04 (1) PB; Thornford 07/07 (1) NH; Ryewater 12/07 (1) WF; Hooke Park 21/07 (1) SH; Kingcombe 25/07 (1) JB; Seven Barrows 03/08 (1) CT.
- 70.247 *Phigalia pilosaria* **Pale Brindled Beauty** Puddletown 01/01 (1) HWH & 24/01 (2) RP; Yetminster 05/02 (1), 12/02 (1), 14/02 (1), 23/02 (1) CB; East Lulworth 11/02 (5), 12/02 (7), 13/02 (7) MP; Broadstone 14/02 (1) PF; Leigh 20/02 (1) GN; Beaminster 22/02 (1) M&DR; Abbotsbury 26/02 (1) SH; Arne 01/03 (1) LP.
- 70.253 *Agriopsis leucophaearia* **Spring Usher** Yetminster 19/01 (1) CB; Broadstone 13/02 (1) AB; Leigh 19/02 (2), 20/02 (1) GN; Abbotsbury 26/02 (1) SH; Rooksmoor 14/05 (1 larva) MP.
- 70.254 *Agriopsis aurantiaria* **Scarce Umber** Whitchurch Canonicorum 27/11 (1) LP.
- 70.256 *Erannis defoliaria* **Mottled Umber** Bridport 26/01 (1), 20/10 (1) AF; Broadmayne 23/10 (1), 23/12 PBJ; Walditch 23/10 (1), 23/11 (1) MP; Yetminster 29/10 (1), 29/11(1) CB; Puncknowle 06/11 (1) MH; Broadway 06/12 (1) 29/12 (1) PH; Lyme Regis 24/12 (1) PB; Rooksmoor 14/05 (1 larva) MP.
- 70.263 *Cleora cinctaria* **Ringed Carpet** Grange Heath 06/04 (1) 22/04 (1) AG & CT; Creech Heath 19/04 (2) 23/04 (5) 29/04 (4) AG & CT; Arne Moors West 30/04 (1) AG & CT; Wareham Forest 01/05 (2) RH; Brand's Bay 01/05 (1) AG & CT;
- 70.264 *Deileptenia ribeata* **Satin Beauty** Puddletown 22/06 (1) HWH; Seven Barrows 07/07 (1) AG & CT and 14/07 (2), 20/07 (1) CT; Dorchester 10/07 (1) JD; Abbotsbury 18/07 (1) SH; Hooke Park 21/07 (1) SH;

- 70.268 *Hypomecis punctinalis* **Pale Oak Beauty** Lytchett Bay 07/07 (1) NH.
- 70.272 *Paradarisa consonaria* **Square Spot** Broadstone 07/04 (1) PF.
- 70.273 *Parectropis similaria* **Brindled White-spot** Seven Barrows 07/07 (1) AG & CT.
- 70.275 *Ematurga atomaria* **Common Heath** Stonebarrow 22/05 (1) PB; Slepe Heath 30/05 (1) AG & CT; Holt Heath 30/05 (4) MW.
- 70.276 *Bupalus piniaria* **Bordered White** Broadstone 23/05 (1) PF; Brownsea Island 25/06 (1) NT.
- 70.279 *Lomographa bimaculata* **White-pinion Spotted** Whitchurch Canonicorum 04/06 (1) LP; Puddletown 13/06 (2) HWH.
- 70.282 *Theria primaria* **Early Moth** 23 records from 8 sites generally distributed throughout.
- 70.284 *Hylaea fasciaria* **Barred Red** Verwood 26/05 (1) ZC; Seven Barrows 02/06 (1), 8/06 (1), 27/06 (1) AG & CT; Yetminster 14/06 (1) CB; Whitchurch Canonicorum 18/06 (1) LP; Brownsea Island 25/06 (1) NT; Ballard Point 25/06 (1) AG & CT; Puddletown 26/06 (1), 23/07 (1) HWH & 07/08 (1) RP; East Lulworth 24/06 (1) MP; Broadmayne 09/07 (1) PBJ; Minstead 26/07 (1) JK; Abbotsbury 31/08 (1), 04/10 (1), 05/10 (1) SH; Wareham 12/09 (1) RA.
- 70.287 *Charissa obscurata* **Annulet** Stoborough Heath 20/07 (2) JL; Lyme Regis 13/08 (18) PB; Portland 15/08 (1), 24/08 (1) JW & 11/09 (6) CL & 21/09 (10) JC.
- 70.292 *Dyscia fagaria* **Grey Scalloped Bar** Winfrith Heath 29/3 (1), 22/5 (1) AF.
- 70.294 *Aspitates ochrearia* **Yellow Belle** Swanage 11/05 (1) PE; Abbotsbury 24/05 (1) SH; Portland 31/05 (3), 08/08 (1) JW & 11/09 (6) CL; Sandford 26/09 (1) BP.
- 70.295 *Perconia strigilaria* **Grass Wave** Slepe Heath 30/05 (2) AG & CT; Hartland Moor 30/05 (1) CT; Broadstone 04/06 (1) PF; Sandford 09/06 (1) BP.
- 70.297 *Pseudoterpna pruinata* **Grass Emerald** Puncknowle 01/07 (1) MH; Upton Heath 02/07 (1) GV & 25/06 (1) SL & ED; Hartland Moor 04/07 (1) CT and 04/07 (1) AG & CT; Charmouth 07/07 (1) GS; Portesham 11/07 (1) JO; Stoborough 13/07 (1) NS and 22/07 (9) JL; Holt Heath 13/07 (5), 03/08 (3) MW; Trigon 22/07 (3) CM; Slepe Heath 24/07 (12) JL; Stoborough 03/08 (1) DL; Seven Barrows 03/08 (1) CT; Winfrith Heath, 12/08 (1) MP.
(Photo © MH Puncknowle).
- 70.300 *Comibaena bajularia* **Blotched Emerald** Yetminster 28/06 (1) CB; Piddles Wood 29/06 (1) DF; Hooke Park 21/07 (1) SH; Arne 24/09 LP, a notable second brood.
- 70.303 *Jodis lactearia* **Little Emerald** Leigh 12/06 (1) GN; Whitchurch Canonicorum 23/06 & 10/07 (1) & (1) LP.
- 70.306 *Chlorissa viridata* **Small Grass Emerald** Upton Heath 25/06 (1) SL&ED; Stoborough Heath 20/07 (1) JL.



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71.003 *Cerura vinula* **Puss Moth** Puddletown 18/04 (1) HWH; Lytchett Bay 22/04 (1) NH; Yetminster 22/04 (1) CB; Charmouth 23/04, 04/06, 18/06, 30/06 all singles GS; Tolpuddle 29/04 (1), 20/05 (1) JF; Arne Moors West 30/04 (4) AG & CT; Seven Barrows 03/05 (1) 08/06 (1) AG & CT; Minstead 22/05 (1), 01/06 (1) JK; Abbotsbury 24/05 (1), 18/07 (1) SH; Thornford 31/05 (1) NH; Puncknowle 01/06 (1) MH; Brownsea Island 01/06 (1) NT; Broadway 10/06 (1) DD.

71.006 *Furcula bicuspis* **Alder Kitten** 3 records from the west of the county. Lyme Regis 23/05 (1) PB; Monkton Wylde 25/05 (1) CL; Yetminster 25/05 (1) CB.

71.007 *Furcula bifida* **Poplar Kitten** Charmouth 22/04 (1) GS; Tolpuddle 01/06 (1) JF; Brownsea Island 01/06 (1) NT; Seven Barrows 08/06 (1) AG & CT; Puddletown 13/06 (1) HWH; Whitchurch Canonicorum 23/06 (1) LP.

71.010 *Drymonia dodonaea* **Marbled Brown** Broadmayne 25/05 (1) 01/06 (1) PBJ.

71.021 *Ptilodon capucina* **Coxcomb Prominent** Lyme Regis 11/05 (1), 17/05 (1) PB; Charmouth 29/05 (1), 13/06 (1), 15/06 (1) GS; Hooke Park 21/07 (1) SH; Dorchester 26/07 (1), 14/08 (1) PBJ; Arne 02/08 (1) PS; Verwood 02/08 (1) ZC; Walditch 26/08 (1) MP; Sandford 20/09 BP.

71.023 *Odontosia carmelita* **Scarce Prominent** East Lulworth 08/04 (1), 09/04 (1) PS & MP; Brownsea Island 18/04 (1) NT; Lytchett Bay 22/04 (1) NH; Stoborough 23/04 (1), 25/04 (1) DL; Wareham Forest 01/05 (2) RH.

71.027 *Clostera curtula* **Chocolate-tip** Puddletown 21/04 (1) HWH; Broadway 23/04 (1) PH & 18/05 (1) DD; Leigh 24/04 (1), 25/05 (1) GN; Tolpuddle 28/04 (1), 30/05 (1) JF; Broadmayne 30/04 PBJ; Minstead 30/04 (1) JK; Thornford 14/05 (1) NH; Puncknowle 23/05 (1) MH; Dorchester 03/06 (1) JD.

71.028 *Clostera pigra* **Small Chocolate-tip** Arne Moors West 24/07 (1) AG & CT.

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72.006 *Hypena obsitalis* **Bloxworth Snout** Broadway 05/03 (1) PH; Lyme Regis 20/04 (1) PB; Portesham 30/04 (1) JO; Bridport 19/07 (1), 30/08 (1) AF; Poole 17/08 (1) RH; Broadway 22/10 (1) DD; Abbotsbury 04/11 (1) SH. (Photo © PH Broadway 5.3.19).

72.007 *Hypena crassalis* **Beautiful Snout** Seven Barrows 27/06 (1) AG & CT; Broadmayne 06/07 (1) PBJ; Verwood 06/07 (1) ZC.

72.009 *Leucoma salicis* **White Satin** Puncknowle 25/06 (1) MH; Lytchett Bay 26/06 NH; Broadway 5 between 30/06 & 21/07 PH and 29/06 (1) DD; Puddletown 05/07 to 25/07 (3) HWH; East Stoke 06/07 (1) AS; Portesham 10/07 (3), 11/07 (1), 21/07 (1) JO; Portland 10/07 (1), 18/07 (1), 23/07 (1) JW; Tolpuddle 14/07 (1), 24/07 (1) JF; Brownsea Island 20/07 (1) NT.

72.011 *Lymantria dispar* **Gypsy Moth** Puddletown 23/07 (1) HWH.

72.016 *Dicallomera fascelina* **Dark Tussock** Stoborough Heath 13/07 (1) NS; Slepe Heath 24/07 (3) JL; Stoborough 25/07 (1) JL; Arne 02/08 (2) LP.



72.017 *Orgyia antiqua* **Vapourer** Bridport 21/07 (1) AF; Broadwey 08/08 (1) PH & 20/09 (1) DD; Pimperne 14/09 (1) CA; Puddletown 15/09 (1) RP; Lyme Regis 26/09 (1) PB; Yetminster 29/09 (1) CB; Tolpuddle 04/10 (1) JF; Abbotsbury 15/10 (1) PH;

72.023 *Diacrisia sannio* **Clouded Buff** Upton Heath 01/06 (1) GV; Tadnoll 29/06 (2) CBk; Holt Heath 29/06 (1) MW; Hartland Moor 30/06 (3) AG & CT.

72.030 *Euplagia quadripunctaria* **Jersey Tiger** 128 records (259 individual moths) across the county.

72.039 *Pelosia muscerda* **Dotted Footman** Broadstone 02/07 (1) PF.

72.041 *Lithosia quadra* **Four-spotted Footman** 204 records (536 individual moths) across the county. (Photo © JF Tolpuddle 25.7.19.)

72.042 *Atolmis rubricollis* **Red-necked Footman** Puddletown 23/06 (1), 28/06 (1) HWH; Seven Barrows 05/07 (1) AG & CT.

72.047 *Eilema caniola* **Hoary Footman** Broadmayne 24/07 (1), 02/08 (1) PB; Lyme Regis 04/08 (1) PB; Bridport 22/08 (1) AF.

72.056 *Pechipogo strigilata* **Common Fan-foot** Monkton Wylde 04/07 (1) CL.

72.060 *Hypenoides humidalis* **Marsh Oblique-barred** Arne Moors West 24/07 (2) AG & CT.

72.063 *Lygephila pastinum* **Blackneck** Lyme Regis 23/06 (7) PB; Puncknowle 23/06 (1), 05/07 (1) MH; Broadwey 25/06 (1) PH & 26/06 (1) 29/06 (1) DD; Ballard Point 25/06 (10), 01/07 (5) AG & CT; East Stoke 05/07 (1) AS; Bridport 07/07 (1) AF; Dorchester 09/07 (1) JD; Puddletown 10/07 (1) HWH; Ryewater 22/07 (1) WF.

72.066 *Parascotia fuliginaria* **Waved Black** Verwood 13/07 (1) ZC & EB.

72.067 *Phytometra viridaria* **Small Purple-barred** Powerstock 10/05 (4) MP & AF; Upton Heath 25/06 (1) SL&ED and 25/06 (2) GV; Puddletown 07/07 (1) HWH; Portland 10/07 (1) JW; Holt Heath 13/07 (1) MW; Stoborough 21/07 (1), 25/07 (1) JL; Broadmayne 21/07 (1) PB; Tolpuddle 23/07 JF; Slepe Heath 24/07 (1) JL.

72.073 *Eublemma parva* **Small Marbled** Dorchester 30/06 (1) JD; Broadwey 30/06 (2) PH; Bridport 06/07 (1) AF; St Alban's Chapel 13/07 (1) DF; Tolpuddle 13/07 (1) JF; Portland 24/07 (1) SW; Portland Bird Observatory 26/07 (1), 11/08 (1), 23/08 (1) MC; Arne 02/08 (1) PS.

72.074 *Eublemma purpurina* **Beautiful Marbled**; Pimperne 25/07 (1) CA; Portland Bird Observatory 26/7 (1) MC; Puddletown 26/07 (1) HWH.

72.076 *Catocala fraxini* **Clifden Nonpareil** 33 records from throughout the county.

72.078 *Catocala nupta* **Red Underwing** 24 records from 10 sites.

72.079 *Catocala electa* **Rosy Underwing** East Lulworth 02/09 (1) MP.

72.081 *Catocala sponsa* **Dark Crimson Underwing** The Grove, Portland 26/7 (1) MC; Portland Bird Observatory 26/7 (1) MC.

72.083 *Euclidia glyphica* **Burnet Companion** Corfe Mullen 15/06 (1) JS; Upton 20/06 (1) CBk; Hamworthy 22/06 (1) CBk.



72.084 *Callistege mi* **Mother Shipton** Lyme Regis 22/05 (1) PB.

72.087 *Dysgonia algira* **Passenger** Portland Bird Observatory 28/8 (1) MC.

72.088 *Grammodes stolida* **Geometrician** Portland 24/09 (1) BJ (photo on page 2).

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73.010 *Macdunnoughia confusa* **Dewick's Plusia** Puddletown 14/8 (1) HWH; Swanage 1/9 (1) PE; Wimborne North 21/9 (1) MW; Bridport 23/9 (1) AF; Wareham Common 4/10 (1) AG & CT; Portesham 12/10 (1) JO.

73.015 *Autographa gamma* **Silver Y** 385 records (582 individual moths) across the county.

73.016 *Autographa pulchrina* **Beautiful Golden Y** Walditch 30/5 (1), 12/6 (1), 24/6 (1), 25/6 (1) 5/7 (1) MP; East Lulworth 10/6 (1), 12/6 (1) MP; Puddletown 16/6 (1) HWH; Hogchester Farm 21/6 (1) PB; Leigh 22/6 (1) GN; Tolpuddle 23/6 (1), 26/6 (1) JF; Bagmore Wood, Silton 3/7 (1) MPx; Broadway 4/7 (1) DD; Ulwell 8/7 (1) DB & JWh.

73.017 *Autographa jota* **Plain Golden Y** Puncknowle 17/6 (1), 25/6 (1), 28/6 (1) MH; Puddletown 18/6 (1) HWH; Bridport 29/6 (1) AF; Tolpuddle 22/6 (1), 26/6 (1), 13/7 (3), 16/7 (1), 17/7 (1), 20/7 (1) JF; Yetminster 28/6 (1), 30/6 (1), 14/7 (1), 16/7 (1) CB; Bridport 1/7 (1) AF; Dorchester 3/7 (1) JD; Leigh 3/7 (1) GN; Yetminster 6/7 (1) MH; Portesham 10/7 (1), 21/7 (1) JO; Ryewater Nursery 12/7 (1) NSp; Kingcombe Centre 25/7 (1) JB.

73.031 *Tyta luctuosa* **Four-spotted** Broadway 25/7 (1) PH. (Photo © PH Broadway 25.7.19).



73.033 *Diloba caeruleocephala* **Figure of Eight** Leigh 16/10 (1) GN; Puncknowle 21/10 (1) MH.

73.034 *Moma alpium* **Scarce Merveille du Jour** Seven Barrows (SY98) 7/7 (1) AG & CT.

73.036 *Acronicta alni* **Alder Moth** Puncknowle 18/5 (1) MH; Broadway 19/5 (1) PH; Yetminster 21/5 (1) CB; Bridport 25/5 (1) AF; Puddletown 29/5 (1) HWH; Walditch 30/5 (1) MP; Whitchurch Canonicorum 4/6 (1) LP.

73.038 *Acronicta psi* **Grey Dagger** Bridport 16/7 (1) AF; RSPB Arne 2/8 (1) PS. Both dissected. Also 45 records of the aggregate *Acronicta tridens/psi* across the county.

73.040 *Acronicta leporina* **Miller** Dorchester 1/6 (1) JD; Bridport 24/6 (1) AF; Seven Barrows (SY98) 27/6 (1) AG & CT; Northport 29/6 (1) RA; East Stoke 6/7 (1) AS; Pimperne 7/7 (1) CA; Puddletown 7/7 (1) HWH; Arne Moors East 9/7 (1) AG & CT; Whitchurch Canonicorum 10/7 (1) LP; Stoborough 21/7 (1) JL; Arne Moors West 24/7 (1) AG & CT.

73.048 *Panemeria tenebrata* **Small Yellow Underwing** Castle Mill Farm (SY59) 16/5 (1) BF; Golden Cap 22/5 (1) PB; Lyme Regis 19/7 (1) PB.

73.050 *Cuculia absinthii* **Wormwood** Weston 23/7 (1) JW.

73.053 *Cuculia chamomillae* **Chamomile Shark** Lyme Regis 3/5 (1) PB.

73.061 *Stilbia anomala* **Anomalous** Tolpuddle 7/9 (1) JF; Puddletown 12/9 (1) HWH. (Photo © JF Tolpuddle 7.9.19).



73.062 *Amphipyra pyramidea* **Copper Underwing** Tolpuddle 24/8 (1) JF; Whitchurch Canonorum 28/8 (1) LP; Abbotsbury Gardens 20/8 (1), 22/8 (1) SH; Holton Lee 2/9 (1) AG & CT. Also 19 records of *Amphipyra pyramidea* agg.

73.063 *Amphipyra berbera* **Svensson's Copper Underwing** Tolpuddle 26/8 (1) JF; Arne Moors West 24/7 (2), 31/7 (1) AG & CT.

73.070 *Pyrrhia umbra* **Bordered Sallow** Swanage 13/5 (1), 22/6 (1) PE; Weston 10/7 (1) JW; Durlston CP 17/7 (1) RF; Ballard Point 18/7 (1) AG & CT; Freshwater Bay, Portland 24/7 (1) SW; Slepe Heath 24/7 (1) JL.

73.072 *Heliothis viroplaca* **Marbled Clover** Southwell 29/6 (1) DS; Puddletown 25/7 (1) HWH.

73.074 *Heliothis peltigera* **Bordered Straw** Portland Bird Observatory 19/6 (1) MC; Swanage 22/6 (1), 1/9 (1) PE; South Sleight Coppice (SY58) 2/7 (1) SH; Whitchurch Canonorum 28/7 (2) LP.

73.076 *Helicoverpa armigera* **Scarce Bordered Straw** 28 records (31 individual moths), generally distributed towards the south of the County. (Photo © JF Tolpuddle 18.9.19).

73.084 *Bryophila domestica* **Marbled Beauty** Weston 10/7 (1), 23/7 (2), 26/7 (1), 23/8 (1), 24/8 (5), 30/8 (1) JW; Freshwater Bay, Portland 24/7 (1) SW, 21/9 (1) JHC; Walditch 24/8 (1) MP; Coneygar 31/8 (1) HW.

73.087 *Spodoptera exigua* **Small Mottled Willow** Portland Bird Observatory 15/2 (1) MC; Leigh 21/4 (1), 28/6 (1), 12/8 (1) GN; Yetminster 13/6 (1) CB; Puddletown 7/7 (1), 10/7 (1), 13/8 (1) HWH; Whitchurch Canonorum 10/7 (1) LP; Walditch 15/8 (1), 16/8 (1) MP; Puddletown 22/8 (1) RP; Tolpuddle 2/9 (1) JF.

73.091 *Elaphria venustula* **Rosy Marbled** Piddles Wood 4/7 (1) DF; RSPB Arne 7/7 (1) LP.

73.093 *Caradrina kadenii* **Clancy's Rustic** 41 records (47 individual moths), distributed towards the south of the county.

73.097 *Hoplodrina blanda* **Rustic** Bridport 28/7 (1) AF (identified by dissection); Arne 2/8 (1) PS. Also 493 records of *Hoplodrina octogenarian/blanda* Uncertain/Rustic aggregate.

73.100 *Chilodes maratima* **Silky Wainscot** Lytchett Bay 7/7 (2), 10/7 (2) NH; Puddletown 14/7 (1) HWH; Ryewater Nursery 7/8 (1) WF.

73.105 *Dypterygia scabriuscula* **Bird's Wing** 27 records from 6 eastern locations.

73.107 *Mormo maura* **Old Lady** Whitchurch Canonorum 17/7 (1) LP; Tolpuddle 16/8 (1), 31/8 (1) JF; Wimborne 19/8 (1) JS; Bridport 24/8 (1), 30/08 (1) AF; Pimperne 25/8 (3) CA; Wimborne North 25/8 (1), 21/9 (1) MW; Broadwey 27/8 (1) PH; Walditch 2/9 (1) MP; Hatch Pond 12/9 (1) PF; Broadstone 12/9 (1) NH; Sandford 17/9 (1), 4/10 (1) BP.

73.119 *Helotropha leucostigma* **Crescent** Arne Moors West 16/7 (1), 24/7 (4), 31/7 (1) AG & CT; Arne Moors East 20/8 (1) AG & CT.

73.126 *Amphipoea fucosa* **Saltern Ear** Broadwey 25/7 (3), 26/7 (1), 27/7 (1) DD; Abbotsbury Gardens 26/7 (1) SH; Bridport 3/9 (1) AF. Also 33 records (75 individual moths) of *Amphipoea oculatea* agg. Ear Moth aggregate across the County.



- 73.136 *Nonagria typhae* **Bulrush Wainscot** Whitchurch Canonicorum 28/7 (1) LP; Broadway 2/8 (1) PH; Puncknowle 17/8 (1) MH; Yetminster 25/8 (1) CB.
- 73.137 *Arenostola phragmitidis* **Fen Wainscot** Arne Moors East 9/7 (2) AG & CT; Lytchett Bay 10/7 (2) NH; Stoborough Heath 13/7 (1) NS; Broadway 18/7 (1) PH; 2/9 (1) South Slight Coppice (SY58) SH; Broadstone 10/9 (1) S-JB.
- 73.139 *Lenisa geminipuncta* **Twin-spotted Wainscot** Walditch 22/7 (1), 24/7 (1), 26/7 (1), 31/7 (1), 7/8 (1) MP; Broadway 25/7 (1), 26/7 (1), 31/7 (2) PH; Arne Moors West 31/7 (1) AG & CT; Tolpuddle 2/8 (1), 5/8 (1), 11/8 (1) JF; Broadstone 10/9 (1) S-JB.
- 73.141 *Archana dissoluta* **Brown-veined Wainscot** Arne Moors West 24/7 (2) AG & CT; Bridport 5/8 (1) AF.
- 73.148 *Photodes morrisii* **Morris's Wainscot** Lyme Regis 11/7 (1) AF.
- 73.151 *Globia sparganii* **Webb's Wainscot** Arne 2/8 (1) LP; Arne Moors East 20/8 (3) AG & CT; Holton Lee 12/9 (1) CT & AG.
- 73.155 *Apamea epomidion* **Clouded Brindle** Tolpuddle 5/6 (1) JF; Ballard Point 9/6 (1), 17/6 (3) AG & CT; Abbotsbury Gardens 14/6 (1) SH; Swanage 17/6 (1), 20/6 (1), 27/7 (1) PE; Broadmayne 22/6 (1) PBJ; Walditch 25/6 (1) MP; Puddletown 25/6 (1) HWH; Puncknowle 28/6 (1) MH; Wimborne North 5/7 (1) MW.
- 73.157 *Apamea anceps* **Large Nutmeg** Thornford 31/5 (4), 15/6 (1), 25/6 (2), 29/6 (1), 7/7 (1) NH.
- 73.159 *Apamea unanimitis* **Small Clouded Brindle** Broadway 18/5 (1) DD; Puddletown 24/5 (1) HWH; Bridport 25/5 (1) AF; Tolpuddle 5/6 (1), 8/6 (2), 11/6 (1), 14/6 (1), 18/6 (1), 24/6 (1), 25/6 (1) JF; Dorchester 14/6 (1) JD; Broadmayne 27/7 (1), 18/8 (2) PBJ.
- 73.160 *Apamea scolopacina* **Slender Brindle** Whitchurch Canonicorum 10/7 (1), 28/7 (2) LP; Walditch 11/7 (1), 19/7 (1), 20/7 (1), 21/7 (1), 22/7 (1) MP; Tolpuddle 17/7 (1) JF; Broadmayne 22/7 (1) PBJ; Verwood 30/7 (1) EB & ZC. (Photo © JF Tolpuddle 17.7.19).
- 73.164 *Apamea sublustris* **Reddish Light Arches** Tolpuddle 25/6 (1) JF; Ballard Point 25/6 (1) AG & CT; Puddletown 25/6 (1) HWH; Woodlands 4/7 (1) ML; Dorchester 10/7 (1) JD.
- 73.170 *Mesapamea didyma* **Lesser Common Rustic** Bridport 6/7 (2) AP (gen. det.); RSPB Arne 2/8 (1) PS (gen. det.)
- 73.171 *Litoligia literosa* **Rosy Minor** Spyway Barn (SY97) 15/7 (1) JW & JW; Pimperne 25/7 (1) CA; Walditch 29/7 (1) MP; Tolpuddle 2/8 (1) JF.
- 73.175 *Oligia versicolor* **Rufous Minor** Broadway 21/6 (1), 26/6 (1), 2/7 (1) DD (ID confirmed by dissection by PS); Bridport 5/7 (1) AF.
- 73.178 *Leucochlaena oditis* **Beautiful Gothic** Portland 11/9 (20) CL; Weston 15/9 (1) JW; Freshwater Bay, Portland 21/9 (1), 13/10 (15) JHC.
- 73.179 *Tiliacea citrigo* **Orange Sallow** Preston 16/9 (1) GD; Lyme Regis 20/9 (2) PB; Walditch 22/9 (1) MP.
- 73.187 *Agrochola litura* **Brown-spot Pinion** Tolpuddle 11/9 (1), 18/9 (1), 19/9 (1), 21/9 (1), 25/9 (1), 26/9 (1) JF; Puddletown 16/9 (1) HWH.



73.188 *Agrochola helvola* **Flounced Chestnut** Langton Matravers 21/8 (1) JK; Slepe Heath 2/10 (1) AG & CT; Walditch 24/10 (1) MP.

73.191 *Agrochola haematidea* **Southern Chestnut** Hartland Moor 2/10 (1) JL; Slepe Heath 2/10 (1) AG & CT; Seven Barrows 20/10 (1) AG & CT; Sandford 23/11 (1) BP.

73.192 *Agrochola circumcellaris* **Brick** Lyme Regis 21/9 (1), 7/10 (5) PB; Abbotsbury Gardens 4/10 (1) SH; Hamworthy Park 23/10 (1) AG & CT; Seven Barrows 31/10 (2) AG & CT; Walditch 24/11 (1) MP; Broadway 26/11 (1) PH; Broadmayne 5/12 PBJ.

73.197 *Conistra rubiginea* **Dotted Chestnut** Puddletown 9/2 (1) HWH; RSPB Arne 1/3 (1) LP; Beaminster 18/3 M&DR; Leigh 20/3 (1) GN; Portesham 21/3 (1) JO; Walditch 21/3 (1) MP; Tolpuddle 10/4 (1) JF; Broadmayne 22/4 (1) PBJ; Yetminster 6/11 (1) CB; Broadway 29/12 PH. *Photo* © PB.

73.198 *Conistra erythrocephala* **Red-headed Chestnut** Bridport 3/11 (1) AF.

73.200 *Lithophane semibrunnea* **Tawny Pinion** Puddletown 22/3 (1), 26/3 (1) HWH; Broadway 23/3 (1) PH; Tolpuddle 23/3 (1) JF.

73.209 *Xylena vetusta* **Red Sword-grass** Portland Bird Observatory 10/3 (1) MC; Puddletown 14/3 (1), 11/4 (1) HWH; Dorchester 21/3 (1) JD; Hooke Park 29/3 (1) SH; Hartland Moor 8/4 (1) AG & CT; Powerstock Common 20/4 (1) NS.

73.212 *Ipimorpha retusa* **Double Kidney** Ryewater Nursery 10/7 (1) WF, 12/7 (1) NSp, 12/7 (1) WF, RS & ML; Tolpuddle 23/7 (1) JF; Broadway 3/8 (1) PH.

73.213 *Ipimorpha subtusa* **Olive** Kingcombe Centre 25/7 (1) JB.

73.217 *Cosmia pyralina* **Lunar-spotted Pinion** Yetminster 6/7 (1) MH; Leigh 8/7 (1) GN; Ryewater Nursery 10/7 (18) WF, 12/7 (8) NSp, WF, RS & ML; Puddletown 10/7 (1).

73.221 *Parastichtis suspecta* **Suspected** Broadmayne 6/7 (1) PBJ; RSPB Arne 7/7 (1) LP; East Lulworth 10/7 (1) CBu, RJ & MP; Verwood 13/7 (1) ZC & EB; Yetminster 28/7 (1) CB.

73.222 *Apterogenum ypsilon* **Dingy Shears** Broadstone 5/7 (1) JS; Bridport 6/7 (1) AF; Whitchurch Canonicorum 10/7 (1) LP; Ryewater Nursery 12/7 (1) NSp.

73.223 *Dryobata labecula* **Oak Rustic** Abbotsbury Gardens 4/10 (1) SH; Tolpuddle 23/10 (1), 24/10 (1), 2/11 (1) JF; Swanage 27/10 (2), 26/11 (1) PE; Broadway 3/11 (1), 28/11 (1) PH; Sandford 5/11 (1), 25/11 (1) BP. (*Photo* © JF Tolpuddle 23.10.19).

73.227 *Dryobotodes tenebrosa* **Sombre Brocade** Swanage 22/9 (1), 1/10 (1), 4/10 (1) PE; Durlston CP 2/10 (1) WS, JL & DL.

73.229 *Trigonophora flammea* **Flame Brocade** Freshwater Bay, Portland 13/10 (36) JHC; Broadway 22/10 (1) DD; Lulworth Cove 27/10 (1), 28/10 (2), 31/10 (3) PGS.

73.234 *Dasypolia templi* **Brindled Ochre** Lulworth Cove 26/10 (2) PGS.



73.243 *Orthosia miniosa* **Blossom Underwing** Broadway 21/4 (1) PH. Larval records from Rooksmoor 14/5 (1) and Alner's Gorse 29/5 (1) both MP. (Photo © PH Broadway 21.4.19).

73.252 *Tholera cespitis* **Hedge Rustic** Langton Matravers 18/8 (1) JK; Leigh 26/8 (2), 4/9 (1), 21/9 (1) GN; Puddletown 27/8 (1) RP, 12/9 (1) HWH; Arne Moors West 27/8 (1) AG & CT; Walditch 2/9 (1) MP; Swanage 7/9 (1) PE; Dorchester 10/9 (1) JD.

73.254 *Cerapteryx graminis* **Antler Moth** Yetminster 27/7 (1) CB; Arne Moors West 31/7 (3), 12/8 (2), 27/8 (1) AG & CT; Arne Moors East 20/8 (2) AG & CT.

73.257 *Anarta myrtilli* **Beautiful Yellow Underwing** Hartland Moor 30/6 (1), 4/7 (1) AG & CT; Arne Moors East 9/7 (1) AG & CT; Stoborough Heath 13/7 (1) NS, 20/7 (1) JL; Trigon 22/7 (1) CM; Slepe Heath 24/7 (8) JL; RSPB Arne 2/8 (1) LP; Sandford 23/8 (1), 27/8 (1), 6/9 (1) BP; Arne Moors West 27/8 (1) AG & CT.

73.264 *Lacanobia thalassina* **Pale-shouldered Brocade** Durlston CP 29/5 (1) KB; 12/6 East Lulworth (1) MP; Seven Barrows 21/6 (1) AG & CT.

73.265 *Lacanobia contigua* **Beautiful Brocade** Yetminster 21/5 (1) CB; Wareham Forest 25/6 (1) RH; Upton Heath DWT 19/7 (1) CT.

73.271 *Ceramica pisi* **Broom Moth** Brand's Bay 22/5 (1) AG & CT; Arne Moors West 28/5 (1) AG & CT; Hyde's Quay 3/6 (2) AG & CT; Sandford 28/6 (1) BP; Arne Moors East 9/7 (3) AG & CT; Portesham 13/7 (1) JO; Stoborough Heath 13/7 (1) NS.

73.276 *Sideridis rivularis* **Campion** Sandford 3/8 (1), 5/8 (1) BP.

73.279 *Hecatera bicolorata* **Broad-barred White** Dorchester 25/5 (1), 12/6 (3), 23/6 (3), 3/7 (1) JD; Yetminster 1/6 (1), 27/6 (1) CB; Broadway 23/6 (1), 30/6 (1) PH; Tolpuddle 25/6 (1) JF; Thornford 25/6 (1) NHo; Coryates 25/6 (1) ABe.

73.284 *Hadena albimacula* **White Spot** Broadway 23/4 (1) PH. (Photo © PH Broadway 23.4.19).

73.286 *Hadena perplexa* **Tawny Shears** Spyway Barn 23/4 (1) DB & JWh; Broadway 13/5 (1) DD; Puddletown 29/5 (1) HWH; Weston 10/7 (1) JW; Broadmayne 7/8 (1), 30/8 (1) PBJ; Abbotsbury Gardens 7/8 (1) SH; Portland 11/9 (1) CL.

73.288 *Mythimna turca* **Double Line** Silton 1/6 (3) MPx.

73.289 *Mythimna pudorina* **Striped Wainscot** Hartland Moor 30/6 (12), 4/7 (10) AG & CT; RSPB Arne 6/7 (1), 7/7 (1) LP; Arne Moors East 9/7 (2) AG & CT; East Lulworth 10/7 (1) CBu, RJ & MP; Stoborough Heath 20/7 (3) JL; Trigon 22/7 (2) CM.

73.290 *Mythimna conigera* **Brown-line Bright-eye** Wimborne North 23/5 (1), MW; Puddletown 4/7 (1) ML; Weston 7/7 (2), 10/7 (1), 14/7 (1), 18/7 (2), 22/7 (1), 23/7 (3), 26/7 (2), 3/8 (1) JW; Tolpuddle 23/7 (1) JF; Freshwater Bay, Portland 24/7 (1) SW.

73.295 *Mythimna vitellina* **Delicate** 146 records (235 individual moths) across the county.

73.296 *Mythimna unipuncta* **White-speck** Broadway 15/10 (1), 31/10 (1), 26/11 (2), 27/11 (1) PH; Swanage 27/10 (1) PE; Bridport 29/10 (1) AFo; Broadmayne 31/10 (1) PBJ; Walditch



31/10 (1), 4/11 (1), 24/11 (1) MP; Puncknowle 31/10 (1) MH; Puddletown 24/11 (1), 25/11 (1) HWH; Lyme Regis 25/11 (1) PB; The Grove, Portland 27/12 (1) MC.

73.297 *Mythimna albipuncta* **White-point** 295 records (712 individual moths) across the county.

73.302 *Leucania obsoleta* **Obscure Wainscot** Broadwey 25/6 (2), 23/7 (1) PH; Puddletown 25/6 (1) HWH; Lytchett Bay 10/7 (2) NH.

73.304 *Leucania loreyi* **Cosmopolitan** Freshwater Bay, Portland 13/10 (1) JHC.

73.307 *Peridroma saucia* **Pearly Underwing** 19 records (19 individual moths) generally across the south and west of the county.

73.313 *Euxoa tritici* **White-line Dart** Hartland Moor 4/7 (1) AG & CT; RSPB Arne 2/8 (2) LP & PS; Sandford 17/8 (1), 21/8 (1), 23/8 (1), 24/8 (2), 31/8 (1), 1/9 (1), 5/9 (1), 6/9 (1), 7/9 (1) BP; Holton Lee 16/9 (1) AG & CT.

73.316 *Agrotis cinerea* **Light Feathered Rustic** Spyway Barn 13/5 (2) DB, JWh & JWi.

73.319 *Agrotis segetum* **Turnip Moth** 99 records (131 individual moths) across the county,

73.322 *Agrotis vestigialis* **Archer's Dart** Arne 6/7 (1) LP; Arne Moors West 27/8 (1) AG & CT; Beacon Hill 16/9 (1) JC.

73.324 *Agrotis trux* **Crescent Dart** Weston 28/6 (1), 10/7 (1) JW; Coneygar 17/7 (1) HW; Durlston CP 17/7 (1) RF; Walditch 21/7 (1), 22/7 (1), 27/7 (1), 1/8 (1) MP; Freshwater Bay, Portland 24/7 (1) SW; Bridport 29/7 (1) AF.

73.327 *Agrotis ipsilon* **Dark Sword-grass** 83 records (96 individual moths) across the county.

73.330 *Ochropleura leucogaster* **Radford's Flame Shoulder** Burton Bradstock 1/10 (1) MP & AF, 4/10 (2) MP; Abbotsbury Gardens 4/10 (1) SH; Puddletown 4/10 (1), 5/10 (1) HWH; Walditch 7/10 (1) MP.

73.339 *Rhyacia simulans* **Dotted Rustic** Ulwell 8/7 (1) DB & JWh.

73.347 *Noctua janthina* **Langmaid's Yellow Underwing** Puddletown 22/7 (1), 23/7 (1) HWH; Abbotsbury Gardens 5/10 (1) SH. All identifications confirmed by PS.

73.353 *Xestia baja* **Dotted Clay** Verwood 2/8 (1), 14/8 (1) ZC & EB; Holton Lee 2/9 (1) AG & CT.

73.356 *Xestia agathina* **Heath Rustic** Holton Lee 2/9 (1) AG & CT; Broadstone 12/9 (1) NW; Verwood 15/9 (1) ZC & EB; Tolpuddle 20/9 (1) JF; Arne 24/9 (6) LP; Sandford 15/9 (1), 16/9 (1), 17/9 (1), 19/9 (2), 20/9 (1), 21/9 (1) BP.

73.360 *Xestia ditrapezium* **Triple-spotted Clay** Sole record at Lyme Regis 21/7 (1) CM.

73.365 *Eugnorisma glareosa* **Autumnal Rustic** Holton Lee 16/9 (1) AG & CT; Tolpuddle 17/9 (1) JF; Walditch 21/9 (2), 4/10 (1) MP; Arne 24/9 (1) LP; East Lulworth 25/9 (1) MP; Bridport 26/9 (1) AP; Hartland Moor 2/10 (1) JL; Abbotsbury Gardens 5/10 (1) SH; Lyme Regis 10/10 (1) PB. (Photo © JF Tolpuddle 17.9.19).

73.368 *Naenia typica* **Gothic** Whitchurch Canonicorum 10/7 (1) LP; Kingcombe Centre 25/7 (1) JB; Arne 2/8 (1) PS.



NOLIDAE

74.001 *Meganola strigula* **Small Black Arches** Recorded in good numbers at only one location: Piddles Wood 29/6 (37); 4/7 (30) DF.

74.003 *Nola cucullata* **Short-cloaked Moth** Ballard Point 25/6 (1); 1/7 (2); 8/7 (2) AG & CT; Northport 29/6 (1), 5/7 (1) RA; Bridport 23/6 (1) AF; South Sleight Coppice (SY58) 2/7 (1) SH; Weston 4/7 (2), 14/7 (1) JW; Walditch 5/7 (1) MP; Puncknowle 5/7 (1) MH; Broadway 8/7 (1), 9/7 (1) DD; RSPB Arne 9/7 (1) LP; Portesham 10/7 (1), 11/7 JO; Dorchester 11/7 JD; Yetminster 13/7 (1) CB; Portland 11/9 (1) CL.

74.004 *Nola confusalis* **Least Black Arches** Lyme Regis 22/3, 23/4 (1) PB; Puddletown 18/4 (1) HWH; Broadway 20/4 (1), 21/4 (1), 23/4 (1), 2/5 (1), 16/5 (1) DD; Puncknowle 21/4 (MH); Tolpuddle 22/4 (1), 30/4 (1) JF; Dorchester 22/4 (1), 25/5 (1) JD; Walditch 22/4 (1) MP; Brackets Coppice 25/4 (1) MP & AF; Pimperne 28/4 (1) (CA); Abbotsbury Swannery 8/5 (1) SH; Weston 18/5 (1) JW; Ballard Point 20/5 AG & CT; Broadmayne 22/5 (1) PBJ; Abbotsbury Gardens 24/5 (1) SH.

74.007 *Bena bicolorana* **Scarce Silver-lines** Wareham 27/6 (1) AG & CT; Piddles Wood 29/6 DF (1); Woodlands (SU00) 4/7 (1) ML; Leigh 5/7 (1) GN; Puddletown 10/7 (1) HWH; Broadway 17/7 (1) PH; Portesham 21/7 (1) JO.

74.009 *Nycteola revayana* **Oak Nycteoline** Puddletown 16/2 (1) HWH; Pimperne 21/3 (1) CA; Walditch 21/3 (1), 22/3 (1), 22/4 (1), 23/4 (1) MP; Hooke Park 22/3 (1) SH; Verwood 30/3 ZC & EB; Lyme Regis 3/5 (1) PB; South Sleight Coppice (SY58) 2/7 (1) SH; Broadstone 5/7 (1) JS; Arne 8/7 (1) LP; Lytchett Bay 10/7 NH; Portesham 10/7 JO (1); Sandford 5/8 (1) (BP); Hatch Pond 25/8 (1) PF; Broadway 27/8 (1) PH.

74.011 *Earias clorana* **Cream-bordered Green Pea** Abbotsbury Swannery 15/6 (1) SH; Whitchurch Canonicoum 18/6 (1), 10/6 (1) LP; Broadway 23/6 (3) PH; East Lulworth 24/6 (1) MP; Tolpuddle 25/6 (1) JF; Lyme Regis 25/6 (1) PB; Puddletown 25/6 (1) HWH; East Stoke 25/6 (1), 27/6 (1), 6/7 (1) AS; Lytchett Bay 26/6 (1) NH; Seven Barrows 27/6 (1) AG & CT; Bridport 28/6 (1), 23/7 (1) AF; Broadway 29/6 (1), 7/7 (1) DD; Arne 7/7 (1) LP; Puncknowle 9/7 (1) MH; Arne Moors East 9/7 (1) AG & CT; Portesham 10/7 (1) JO; Stoborough Heath 13/7 (1) NS.

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4.076 *Ectoedemia decentella* (Nationally Scarce B) Dorchester 27/06 (1) JD; Westham, Weymouth 23/07 (1) PS.

4.088 *Ectoedemia heringella* (Nationally Scarce B) Abbotsbury Swannery 22/03 vacated leaf mines on *Quercus ilex* JO; Rodden Hive 31/03 vacated leaf mines on *Quercus ilex* JO. Photo © JO.

5.001 *Opostega salaciella* (Local) Walditch 23/05 (1), 06/07 (1) MP; Whitchurch Canonicorum 04/06 (1) LP.

5.004 *Pseudopostega crepusculella* (Nationally Scarce B) Puddletown 06/07 (1) HWH.

6.002 *Antispila petryi* (Local) Abbotsbury Railway 13/08 leaf mine on *Cornus* JO; Portesham 17/08 leaf mine on *Cornus* JO.

6.004 *Heliozela resplendella* (Local) Puddletown 07/09 vacated leaf mine on *Alnus glutinosa* HWH.

7.007 *Adela cuprella* (Local) Powerstock Common 20/04 (5) NS; Cogden 30/03 3 to 4 noted at top of a willow MP.

12.003 *Eudarcia richardsoni* (pRDB1) Several Portland sites: East Weare, Durdle Pier, West Weares, Church Ope Cove, Southwell Landslip 11/03 larval cases noted at each site MP.

12.019 *Nemapogon ruricolella* (Nationally Scarce B) Puddletown 16/06 (1) HWH, conf. PS.

12.040 *Monopis imella* (Nationally Scarce B) Portland 11/09 (2) CL.

12.047 *Psychoides verhuella* (Local) Walditch 09/06 1 flying by day MP; Leigh 18/06 (1) GN.

14.003 *Bucculatrix maritima* (Nationally Scarce B) Moonfleet 31/03 leaf mines on *Aster tripolium* JO.

15.003 *Caloptilia populetorum* (Local) Seven Barrows, Wareham 01/08 (1) AG & CT; Lytchett Bay 03/08 (1) NH; Broadwey, Weymouth 06/08 (1) PH. (Photo © PH Broadwey 6.8.19)

15.011 *Caloptilia falconipennella* (Nationally Scarce B) Puddletown 07/09 larval feeding signs on *Alnus glutinosa*, adult emerged HWH confirmed PS.

15.017 *Calybites phasianipennella* (Local) Seven Barrows, Wareham 03/08 (1) AG & CT; Tolpuddle 11/08 (1) JF; Portesham 08/09 (1) JO; Holton Lee 12/09 (1) AG & CT.

15.026 *Parornix fagivora* (Local) Puddletown 04/10 tenanted larval fold on *Fagus* sp. HWH.

15.093 *Phyllocnistis xenia* (Nationally Scarce B) Littlesea 10/09 leaf mine on *Populus alba* JO.

16.005 *Yponomeuta rorrella* **Willow Ermine** (Local) Broadmayne 24/07 (2) PBJ; Stoborough 26/07 DL; Puddletown 25/07 (1) HWH; Arne Moors 31/07 (1) AG & CT; Walditch 03/08 (1) MP.



16.008 *Yponomeuta sedella* (Local) Lyme Regis 25/07 PB.

19.001 *Orthotelia sparganella* (Local) Whitchurch Canonicorum 28/07 (1) LP; Broadwey, Weymouth 31/07 (1) PH; Tolpuddle 06/08 & 07/08 (1) JF. (Photo © PH Broadwey 31.7.19).

19.008 *Glyphipterix schoenicolella* (Nationally Scarce A) Stoborough Heath 13/07 NS; Lytchett Bay 11/08 (1) NH.

20.001 *Argyresthia laevigatella* (Local) Puddletown 24/05 (1) HWH; Abbotsbury Swannery 09/06 SH.

20.005 *Argyresthia trifasciata* (Local) Westham, Weymouth 24/06 (1) PS; Walditch 26/07 (1) MP; Broadwey, Weymouth 29/08 (1) PH.

20.007 *Argyresthia cupressella* **Cypress Tip Moth** (Local) Broadwey, Weymouth 30/05 (1) PH; Westham, Weymouth 24/06 (1) PS; Walditch 25/06 (1) MP.

20.015 *Argyresthia curvella* (Local) Arne 09/07 (1) LP.

20.024 *Argyresthia semitestacella* (Local) Hooke Park 14/09 (1) SH.

21.002 *Lyonetia prunifoliella* (pRDB1) Broadwey, Weymouth 06/01 (1) PH, gen. det. PS; Westham, Weymouth 06/07 (1) PS; Tolpuddle 05/10 (1) JF.

27.002 *Oegoconia caradjai* (Nationally Scarce B) Lyme Regis 21/07 (1) CM.

28.008 *Metalampra italica* (Migrant) Lyme Regis 25/07 PB; Woodlands, Verwood 04/07 (1) ML; Walditch 24/07 (1) MP.

28.017 *Batia lambdella* (Local) Stoborough Heath 13/07 NS.

30.002 *Pseudatemelia subochreella* (Nationally Scarce B) Tolpuddle 25/06 (1) JF.

30.004 *Amphisbatis incongruella* (Nationally Scarce A) Winfrith Heath 29/03 (1) AF.

32.002 *Semioscopis steinkellneriana* (Local) Leigh 22/03 (1), 19/04 (2) GN.

32.003 *Luquetia lobella* (Local) Puddletown 14/06 (1), 23/6 (1), 25/6 (3) HWH; Leigh 22/06 (1), 23/06 (1), 28/6 (1) GN.

32.009 *Agonopterix purpurea* (Local) Abbotsbury Gardens 22/09 SH; Puddletown 04/10 (1) HWH; Broadwey, Weymouth 12/11 (1) PH.

32.012 *Agonopterix atomella* (Nationally Scarce A) Larvae on *Genista tinctoria*: Cogden 22/05, Alners Gorse 29/05 (4 larvae), Rooksmoor 29/05 (6 larvae) – all MP.

32.023 *Agonopterix rotundella* (Nationally Scarce A) Weston, Portland 15/08 (1), 24/08 (2) JW

32.029 *Agonopterix umbellana* (Local) Grange Heath 22/04 (1) AG & CT; Wareham Forest 01/05 (1) RH; Brand's Bay 01/05 (1) AG & CT.

32.040 *Depressaria ultimella* (Local) Walditch 22/04 (1), 24/05 (1) MP; Puddletown 24/05 (1) HWH.

33.001 *Ethmia dodecea* (Local) Pimperne 18/06 (1) CA; Ryewater Nursery, Folke 19/06 (1), 10/7 (1) WF; Puddletown 28/06 (1) HWH; Woodlands, Verwood 04/07 (1) ML; Portesham 11/07 (1) 13/7 (1) JO; Broadmayne 16/07 (1) PBJ.



- 34.008 *Cosmopterix scribaiella* (Nationally Scarce A) Piddles Wood 29/06 (1) DF; Puddletown 29/06 (1) HWH.
- 34.009 *Cosmopterix pulchrimella* (Nationally Scarce A) Abbotsbury Gardens 22/09 SH, 4/10 SH, LP & CF; Portesham 08/09 (1), 13/10 (1) JO.
- 35.022 *Dichomeris marginella* **Juniper Webber** (Local) Broadstone 26/06 (1), 10/7 (1) JS; Lytchett Bay 07/07 (1), 10/7 (1), 20/7 (1), 3/8 (1) NH.
- 35.026 *Acompsia cinerella* (Local) Walditch 10/08 (1) MP.
- 35.027 *Acompsia schmidtellus* (Nationally Scarce B) The Grove, Portland 30/07 (1) MC.
- 35.035 *Chrysoesthia drurella* (Local) Kingston Lacy 06/07 tenanted mines on *Chenopodium album* JS.
- 35.036 *Chrysoesthia sexguttella* (Local) Kingston Lacy 10/07 tenanted mines on *Chenopodium album* JS; Abbotsbury Railway 17/08 leaf mines on *Chenopodium* JO.
- 35.052 *Aristotelia brizella* (Nationally Scarce B) Portland Bill 24/07 (1), 25/7 (1 gen. det.) SW.
- 35.064 *Argolamprotes micella* (Nationally Scarce B) Piddles Wood 29/06 (1) DF; Broadway, Weymouth 03/07 (1) PH; Walditch 05/07 (1) MP; Broadmayne 06/07 (1) PBJ; Puddletown 09/07 (1), 17/7 (1) HWH; Ryewater Nursery, Folke 10/07 (5), WF 12/7 (1) WF, RS & ML; Whitchurch Canonorum 10/07 (3) LP.
- 35.073 *Monochroa palustrellus* (Nationally Scarce B) Arne Moors 03/07/2018 (note year) (1) AG & CT
- 35.092 *Mirificarma lentiginosella* (Nationally Scarce A) Cogden 22/05 larvae on *Genista tinctoria* MP; Tidmoor Point, Chickerell 14/06.
- 35.107 *Psoricoptera gibbosella* (Local) Arne 02/08 (1) PS.
- 35.116 *Scrobipalpa obsoletella* (Nationally Scarce B) Arne 02/08 (1) PS.
- 35.119 *Scrobipalpa samadensis* (Nationally Scarce B) South Sleight Coppice, Langton Herring 2/07 SH; Portland 11/09 (1 gen. det.) CL.
- 35.127 *Tuta absoluta* (Adventive) Broadway, Weymouth 29/09 (1) PH; Portland Bird Observatory 05/11 (1) MC. (Photo © PH Broadway 29.9.19).
- 35.130 *Caryocolum vicinella* (Nationally Scarce A) Hamm Beach 30/04 larvae on *Silene maritima*, adults reared MP.
- 35.142 *Teleiodes waga* (Nationally Scarce A) Puddletown 10/07 (1) HWH.
- 35.148 *Carpatolechia fugitivella* (Local) Walditch 10/07 (1) MP; Puddletown 23/07 (1) HWH.
- 35.157 *Recurvaria leucatella* (Local) Arne 08/07 (1) LP; Stoborough Heath 13/07 NS; Leigh 31/07 (1) GN.
- 36.002 *Batrachedra pinicolella* (Nationally Scarce B) Walditch 06/07 (1) MP.



37.002 *Coleophora lutarea* (Nationally Scarce B) Stonebarrow 06/05 (1) MP; Garston Wood 15/05 (3) MP.

37.011 *Coleophora badiipennella* (Local) Puddletown 28/06 (1 gen. det. PS) HWH.

37.012 *Coleophora limosipennella* (Local) Abbotsbury 13/07 case on *Ulmus* (1) JO.

37.020 *Coleophora fuscocuprella* (Nationally Scarce B) Powerstock Common 28/10 2 cases on *Corylus avellana* MP.

37.027 *Coleophora potentillae* (Local) Powerstock Common 28/10 2 larval cases on *Filipendula ulmaria* and 1 case on *Rubus fruticosus* agg. MP.

37.080 *Coleophora virgaureae* (Nationally Scarce B) Puddletown 19/07 (1 gen. det. PS) HWH.

37.108 *Coleophora salicorniae* (Nationally Scarce B) Arne 02/08 (1) PS, 02/08 (1) LP.

38.007 *Elachista subocellea* (Nationally Scarce B) Portland Bill 25/07 (2, one gen. det.) SW.

38.022 *Elachista gleichenella* (Local) Rooksmoor 25/05 (1) MP.

38.023 *Elachista biatomella* (Nationally Scarce B) Cogden 18/04 (1) MP.

42.002 *Stathmopoda pedella* (Nationally Scarce B) Hatch Pond, Poole 25/06 (1) PF.

45.001 *Agdistis bennetii* **Saltmarsh Plume** (Local) Tolpuddle 26/07 (1), 03/08 (1), 05/08 (1) JF; Arne 02/08 (10) PS; Hamworthy Park 18/08 (1) AG & CT. (Photo © JF Tolpuddle 5.8.19).



45.006 *Platyptilia isodactylus* **Hoary Plume** (Nationally Scarce B) Tolpuddle 18/06 (1), 24/07 (1) JF. (Photo © JF Tolpuddle 24.7.19).

45.009 *Gillmeria ochrodactyla* **Tansy Plume** (Nationally Scarce B) Spittles, Lyme Regis 13/08 (1) PB.



45.027 *Crombrugghia laetus* **Scarce Light Plume** (Migrant) Black Down, Portesham 20/06 (1 det on wing markings) DF; Puddletown 30/06 (1 det on wing markings by PS) HWH; Portland records per MC: Weston 02/07 (1), Portland Bird Observatory 05/07, Southwell 13/07 (1).

45.028 *Capperia britanniodactylus* **Wood Sage Plume** (Nationally Scarce B) Stoborough Heath 13/07 NS.

45.039 *Hellinsia carphodactyla* **Citron Plume** (Local) Portland 11/09 (1) CL.

47.001 *Phaulernis fulviguttella* (Nationally Scarce B) Puddletown 26/07 (1) HWH.

47.004 *Epermenia aequidentellus* (Nationally Scarce A) Broadwey, Weymouth 13/09 (1) PH. (Photo © PH Broadwey 13.9.19).

48.007 *Choreutis pariana* **Apple Leaf Skeletonizer** (Local) Whitchurch Canonicorum 03/09 (1) LP; Broadstone 04/06 larval feeding signs on *Malus* JS; Westham, Weymouth 23/07 (3) PS.

49.003 *Sparganothis pilleriana* (Nationally Scarce A) Stoborough Heath 13/07 NS; Slepe Heath 24/07 (1) JL.

49.016 *Archips rosana* **Rose Tortrix** (Local) South Slight Coppice, Langton Herring 02/07 SH; Portesham 10/07 (1) JO.

49.047 *Eana incanana* (Local) Puddletown 11/06 (1) HWH; Arne 09/07 LP.

49.075 *Acleris umbrana* (Nationally Scarce A) 17 records in a broad band along the coast and a little way inland, from Lyme Regis to Weymouth/Portland, and north to Puddletown

49.086 *Acleris logiana* (Local) Puddletown 25/02 (1), 18/03 (1), 23/03 (1) HWH; Broadstone 10/07 (1) JS.

49.096 *Hysterophora maculosana* (Local) Ashmore Wood 15/05 (few) MP.

49.104 *Gynnidomorpha luridana* (Nationally Scarce A) Weston, Portland 10/07 (1), 14/7 (1), 23/7 (1); JW Freshwater Bay, Portland 24/07 SW.

49.114 *Aethes hartmanniana* (Nationally Scarce B) Powerstock Common 10/05 (1) MP & AF; Walditch 15/08 (1) MP.

49.121 *Aethes tessera* (Local) Tout Quarries, Portland 20/06 (4) DF.

49.123 *Aethes beatricella* (Local) Abbotsbury Swannery 09/06 SH; Tout Quarries, Portland 20/06 (2) DF; Weston, Portland 04/07 (1), 07/07 (1) JW.

49.1231 *Aethes deaurana* (Migrant) Broadwey, Weymouth 16/06 (1) JG **2nd UK record**.

49.124 *Aethes francillana* (Local) Freshwater Bay, Portland 24/07 SW; Portland Bill 25/07 (1) SW.

49.151 *Apotomis capreana* (Local) East Lulworth 24/06 PS; Piddles Wood 29/06 (1) DF.

49.164 *Celypha cespitana* (Local) Tout Quarries, Portland 20/06 DF; Broadmayne 07/07 (1), 07/08 (1) PBJ.

49.167 *Celypha rivulana* (Local) Puddletown 02/07 (1) HWH.

49.169 *Celypha aurofasciana* (Nationally Scarce A) Piddles Wood 29/06 (2) DF.

49.184 *Lobesia reliquana* (Local) Seven Barrows, Wareham 29/05 (1) AG & CT.

49.190 *Endothenia ustulana* (Nationally Scarce B) Walditch 24/07, 26/07 MP.

49.195 *Bactra furfurana* (Local) Leigh 24/05 (1) GN; Arne 02/08 (1) PS.

49.197 *Bactra robustana* (Nationally Scarce B) Arne 02/08 (1) PS.

49.201 *Ancyliis unguicella* (Local) Sandford 15/06 (1) AG & CT.



49.207 *Ancylis geminana* (Local) Slepe Heath 30/05 (1) AG & CT; Winfrith Heath 15/06 (1) DF.

49.220 *Rhopobota myrtilana* (Nationally Scarce B) Black Down, Portesham 11/05 JO (photo © JO Portesham 11.5.19).

49.221 *Rhopobota stagnana* (Nationally Scarce B) Stoborough Heath 13/07 (1 male gen. det.) NS.

49.226 *Acroclita subsequana* (pRDB1) Portland 11/09 (6) CL.

49.237 *Epinotia signatana* (Local) East Lulworth 24/06 PS; Lyme Regis 28/06 PB; Leigh 28/06 (1) GN; Broadmayne 30/06 (1) PBJ; Dorchester 02/07 (1) JD; Walditch 06/07 (1) MP; Puddletown 13/07 (1) HWH.

49.242 *Epinotia nanana* (Nationally Scarce B) Westham, Weymouth 24/06 (1) PS; Stoborough Heath 13/07 NS.

49.261 *Crociosema plebejana* (Local) Cogden 23/03 12 larvae on *Lavatera arborea* PB; Broadway, Weymouth 17/08 (1), 26/08 (1) PH; Dorchester 23/08 (1) JD; Walditch 25/08 (1), 23/10 (1) MP; Broadmayne 29/08 (1) PBJ.

49.263 *Pelochrista caecimaculana* (Nationally Scarce A) Portland Bill 24/07 (1) SW.

49.264 *Eucosma obumbratana* (Local) Puddletown 22/06 (1) HWH; Puncknowle 09/07 (1) MH; Stoborough Heath 13/07 NS; Spittles, Lyme Regis 13/08 (1) PB.

49.277 *Eucosma pupillana* (Nationally Scarce B) Weston, Portland 23/07 (1) JW.

49.280 *Gypsonoma oppressana* (Nationally Scarce B) Broadway, Weymouth 20/07 (1) PH. (Photo © PH Broadway 20.7.19).

49.309 *Dichrorampha plumbana* (Local) Puddletown 31/05 (1) HWH.

49.316 *Dichrorampha sequana* (Local) Kingston Lacy 19/06 (1), 23/06 (1), 25/06 (1) JS; Launchfield, Affpuddle 26/05 DF; Puddletown 26/05 DF.

49.318 *Dichrorampha vancouverana* (Local) Puddletown 29/06 (1) HWH; Lytchett Bay 07/07 (1) NH; St Aldhelms Head 13/07 (1) DF; Kingston Lacy 13/07 (1), 16/07 (2), 18/07 (1) JS.

49.319 *Dichrorampha flavidorsana* (Nationally Scarce B) East Lulworth 05/06 2 at rest on *Tanacetum vulgare* PS.

49.320 *Dichrorampha alpinana* (Local) Kingston Lacy 01/06 (1), 09/06 (1) JS; Walditch 24/07 (1) MP.

49.322 *Dichrorampha plumbagana* (Local) Affpuddle 26/05 DF; Puddletown 26/05 DF; Puddletown 31/05 (1) HWH.

49.327 *Cydia microgrammana* (Nationally Scarce B) Tout Quarries, Portland 20/06 (1) DF.

49.332 *Cydia coniferana* (Nationally Scarce B) Westham, Weymouth 23/07 (1) PS.



49.335 *Cydia strobilella* **Spruce Seed Moth** (Nationally Scarce B) Broadwey, Weymouth 22/04 (1) PH. (Photo © PH Broadwey 22.4.19)

49.343 *Cydia amplana* (Migrant) 24 records spread across the county.

49.346 *Selania leplastriana* (Nationally Scarce A) St Aldhelms Head 13/07 (12) DF.

49.356 *Grapholita lobarzewskii* (Nationally Scarce A) Broadmayne 22/04 (1), 24/05 (1), 25/05 (1), 23/06 (1), 28/06 (1) PBJ; Broadwey, Weymouth 30/05 (1) PH; Walditch 06/07 (2) MP; Whitchurch Canonicorum 10/07 (1) LP.

49.360 *Pammene ignorata* (pRDB2) Puncknowle 09/06 (1) MH; Westham, Weymouth 24/06 (1) PS. (Photo © MH Puncknowle 9.6.19).

49.363 *Pammene argyrana* (Local) Powerstock Common 20/04 (1) NS.

49.374 *Pammene trauniana* (Nationally Scarce A) Lyme Regis 10/05 (1) PB.

49.377 *Pammene germmana* (Local) Puddletown 13/06 (1) HWH.

49.382 *Strophedra nitidana* (Local) Puddletown 18/08 (1 gen. det. PS) HWH; Piddles Wood 29/06 (1) DF.

62.005 *Achroia grisella* **Lesser Wax Moth** (Local) Abbotsbury Gardens 07/08 SH; Holton Lee 16/09 (1) AG & CT.

62.010 *Elegia similella* (Nationally Scarce B) Puddletown Piddles Wood 29/06 (3), 04/07 (5) DF; 01/08 (1) HWH; Seven Barrows, Wareham 03/08 (1) AG & CT.

62.013 *Moitrelia obductella* (pRDB3) Wyke Regis 20/06 4 adults emerged 23-29/07 from larvae on *Origanum vulgare* plants in garden collected several weeks earlier DF. (Photo on page 2 of this report).

62.021 *Oncocera semirubella* (Nationally Scarce B) 22 records across the southern half of the county for this increasingly widespread species which is certainly resident in heathland areas as well as along the coast where it has been known historically.

62.022 *Pempelia genistella* (Nationally Scarce B) 24 records mainly in heathland and coastal areas where *Ulex europaeus* is abundant.

62.025 *Dioryctria sylvestrella* (Nationally Scarce B) 17 records mainly from heathland areas but with wanderers also recorded elsewhere in the southern half of the county.

62.026 *Dioryctria schuetzeella* (Nationally Scarce B) Westham, Weymouth 24/06 (1) PS.

62.031 *Epischnia asteris* (Nationally Scarce A) Portland 11/09 (3) CL; Freshwater Bay, Portland 21/09 (2) JHC.

62.033 *Acrobasis tumidana* (Migrant) Broadwey, Weymouth 24/07 (1) PH; Portland records per MC: 24/07 – 28/07 (5) including Portland Bird Observatory 26/07 (1), 27/07 (1) MC.

62.039 *Apomyelois bistriatella* (Nationally Scarce B) Puddletown 08/07 (1) HWH.



62.047 *Assara terebrella* (Nationally Scarce A) Puddletown 27/06 (1), 09/07 (1), 12/07 (1), 16/07 (1) HWH.

62.053 *Ancylosis oblitella* (Nationally Scarce B) Puddletown 25/08 (1) HWH.

62.063 *Ephestia kuehniella* **Mediterranean Flour Moth** (Adventive) Wool 18/04 (PS) 1 adult in bakers and apparently they breed in the back of the shop where the flour is stored.

62.074 *Aglossa pinguinalis* **Large Tabby** (Local) Abbotsbury Gardens 14/06 SH; Broadwey, Weymouth 19/06 (1) DD; Spyway Barn, Langton Matravers 15/07 (1) DB, JWh & JWi.

63.002 *Loxostege sticticalis* (Migrant) Broadwey, Weymouth 23/09 (1) PH. (Photo © PH Broadwey 23.9.19).



63.008 *Pyrausta ostrinalis* (Nationally Scarce B) Pimperne 02/08 (2) CA.

63.015 *Sitochroa verticalis* Portland Bird Observatory 04/08 (1) MC.

63.019 *Anania stachydalis* (Nationally Scarce B) Walditch 17/07 (1) MP.

63.023 *Anania verbascalis* (Nationally Scarce B) Seven Barrows, Wareham 05/07 (1) AG & CT; Stoborough Heath 13/07 NS.

63.026 *Sclerocona acutellus* (Migrant/Adventive) East Lulworth 25/06 (1) PS.

63.032 *Udea fulvalis* (Migrant) (but long-time resident in east Dorset) Ballard Point 08/07 (1) AG & CT; Lytchett Bay 10/07 (1) NH; Broadstone 10/07 (2), 25/07 (1) JS; Stoborough 25/07 (1) JL; Hamworthy Park 18/08 (3) 17/09 (1) AG & CT.

63.040 *Mecyna asinalis* (Nationally Scarce B) 11 records, all in coastal semi-natural habitats.

63.041 *Agrotera nemoralis* (pRDB1) Brownsea Island 02/07 (1) NT.

63.046 *Duponchelia fovealis* (Migrant/Adventive) Broadwey, Weymouth 24/07 (1) PH. (Photo © PH Broadwey 24.7.19).



63.048 *Palpita vitrealis* (Migrant) 55 records almost all Aug-Nov plus Jun (1) and Jul (3).

63.051 *Antigastra catalaunalis* (Migrant) Broadmayne 28/06 (1) PBJ.

63.054 *Cydalima perspectalis* **Box-tree Moth** (Adventive) 27 records mainly from the east of the county including larvae and larval workings demonstrating evidence the species is now resident in Dorset.

63.055 *Herpetogramma licarsialis* **Grass Webworm** (Migrant); Puncknowle 29/09 (1) MH & Portland Bird Observatory 29/09 (1) MC; Bridport 30/09 (1) AF; Westham, Weymouth 05/10 (1) PS. See article on page 41 of this report. (Photo © MH Puncknowle 29.9.19).



63.056 *Cynaeda dentalis* (Nationally Scarce A) Langton Matravers 14/06 JK; Freshwater Bay, Portland 24/07 SW; Portland 11/09 (1) CL.

63.059 *Evergestis limbata* (Nationally Scarce B) 11 records in the south-eastern part of the county from Broadmayne eastwards.

- 63.071 *Eudonia lineola* (Nationally Scarce B) Westham, Weymouth 24/06 (1) PS.
- 63.072 *Eudonia delunella* (Nationally Scarce B) 53 records spread across the county.
- 63.076 *Euchromius ocella* (Migrant) Abbotsbury Gardens 21/02 (1) SH; Arne 01/03 (1) LP.
- 63.077 *Chilo phragmitella* (Local) 11 records from the south-east of the county.
- 63.082 *Crambus silvella* (pRDB3) The Moors, Arne 24/07 (1) 31/07 (1) AG & CT; Arne 02/08 (1) LP; Winfrith Heath 12/08 c.12 seen by day MP.
- 63.083 *Crambus uliginosellus* (Nationally Scarce B) Arne 06/07 LP.
- 63.087 *Crambus hamella* (Nationally Scarce B) The Moors, Arne 27/08 (4) AG & CT; Holton Lee 12/09 (1) AG & CT.
- 63.091 *Agriphila latistria* (Local) Spittles, Lyme Regis 13/08 (1) PB; The Moors, Arne 27/08 (2) AG & CT; Beacon Hill 16/09 (1) JC.
- 63.100 *Catoptria margaritella* (Local) Dorchester 13/07 (1) JD; Spyway Barn, Langton Matravers 06/08 (1) DB, JWh, JWi.
- 63.103 *Catoptria verellus* Southwell, Portland 30/06 (1) per MC.
- 63.109 *Pediasia contaminella* (Nationally Scarce B) 23 records mainly from Purbeck.
- 63.113 *Ancylolomia tentaculella* (Migrant) Broadwey, Weymouth 25/07 (1) PH; Portland Bird Observatory 30/07 (1), 09/08 (1) MC.
- 63.119 *Musotima nitidalis* **Marbled Fern** (Adventive) Brownsea Island 64 from 07/04 to 24/08, peak 25 on 19/08 NT.
- 63.121 *Donacaula forficella* (Local) Tolpuddle 24/06 (1) 31/07 (1) JF; Stoborough Heath 13/07 NS; Arne 06/07 LP; Puddletown 24/06 (1) HWH; Seven Barrows, Wareham 05/07 (1) AG & CT; The Moors, Arne 24/07 (1) 31/07 (1) 27/08 (1) AG & CT
- 63.122 *Donacaula mucronella* (Nationally Scarce B) The Moors, Arne 27/08 (1) AG & CT.

MIGRANT MOTH REPORT 2019

Paul Butter (macro moths) and Jack Oughton (micro moths)

Macro-moth Migrants (PB)

2019 was not an exceptional year for migrant macro-moths in Dorset but there were several notable records as well as reasonable numbers of many of the regular migrant species. Of the Sphingidae there was one record of *Acherontia atropos* **Death's-head Hawk-moth** from Portland on 13/10 and a single record of *Hyles gallii* **Bedstraw Hawk-moth** from Puddletown on 29/06. There were 70 records of *Macroglossum stellaratum* **Hummingbird Hawk-moth** from all over the county which had a good year. **Convolvulus Hawk-moth** *Agrius convolvuli* was fairly well reported along the southern half of the county with 26 records from 8 sites. This compares with 24 moths recorded from Portland and Bridport alone in 2018 (per Atropos Migration Review 2018).

Portland Ribbon Wave *Idaea degenaria* now appears to be on Brownsea Island as well as the Isle of Portland with a string of June and July records from those locations: Portland Bird Observatory on 25/06 and elsewhere on Portland on 09/06, 04/07, 07/07, 10/07 and from Brownsea on 06/07 & 20/07. Dates indicating migrant records were Abbotsbury 31/08, Portland 11/09 and Puddletown 25/09. **Blair's Mocha** *Cyclophora albipunctata* seems to be resident in Bridport with 20 recorded between 24/06 and 04/11. Elsewhere, it was recorded from Portland Bird Observatory (PBO) on 25/06, West Bay on 27/08, Hamworthy Park 26/09, Abbotsbury 05/10 and five from Walditch between 21/09 & 23/10. **Jersey Mocha** *Cyclophora ruficiliaria* had a single record from Walditch on 25/08; it now breeds just over the border in Devon between Lyme Regis and Axmouth.

The Vestal *Rhodometra sacraria* and the **Gem** *Nycterosea obstipata* are regular visitors but the latter was hardly seen in 2019 with a single record from Abbotsbury on 08/05. The Vestal had 22 records widely distributed throughout the county. There were two records of **Many-lined** *Costaconvexa polygrammata*, one from Northport on 29/06 and one from Dorchester on 21/09. **Bloxworth Snout** *Hypena obsitalis* had 7 records from the south of the county as singles in Lyme Regis 20/04, Portesham 30/04, Broadwey 05/03 & 22/10, Bridport 19/07 & 30/08, Poole 17/08 and Abbotsbury on 04/11, the dates indicating residency in some areas.

Gypsy Moth *Lymantria dispar* was seen in Puddletown on 23/07. **Beautiful Marbled** *Eublemma purpurina* was recorded three times, at Pimperne 25/07, Puddletown 26/07 and PBO also on 26/07 suggesting a single influx. Its congener *Eublemma parva* **Small Marbled** (photo © JF Tolpuddle 13.7.19) was recorded more frequently with 10 records, including four from Portland and others as widely spread as Bridport, Dorchester, Tolpuddle and Arne.



Of the Catocalids, *Catocala fraxini* **Clifden Nonpareil** continued to expand its range and abundance with 33 records throughout the county making it difficult to distinguish any migrant records from resident populations. *Catocala electa* **Rosy Underwing** had a single record from East Lulworth on 02/09 whilst the **Dark Crimson Underwing** *Catocala sponsa* had two records from Portland, both on 26/07. Two other rarities were noted in 2019, the **Geometrician** *Grammodes stolidus* from Portland on 24/08 and the **Passenger** *Dysgonia algira* from the PBO on 20/08.

There were very few migrant members of the Plusiinae with **Dewick's Plusia** *Macdunnoughia confusa* having 6 records: from Puddletown 14/08, Swanage 01/09, Wimborne 21/09, Bridport 23/09, Wareham 04/10 and Portesham 12/10. **Silver Y** *Autographa gamma* occurred in lower numbers than average with 384 records of 581 moths. This compares with 230 moths from Bridport and 1520 from Portland alone in 2018 (Atropos migration review 2018), although PBO 2019 records are not fully represented in this report.

Bordered Straw *Heliopsis peltigera* was thin on the ground with records from just four sites; Portland on 19/06, Swanage on 22/06 & 01/09, Sleight's Coppice on 27/11 and Whitchurch Canonicorum on 28/07. The **Scarce Bordered Straw** *Helicoverpa armigera* had a better year with 28 records of 31 individuals, but by no means an exceptional one. **Small Mottled Willow** *Spodoptera exigua* had an average year with 12 moths being recorded from 8 different localities.

There was a single record of **Red-headed Chestnut** *Conistra rubiginea* from Bridport on 03/11 whilst the **Oak Rustic** *Dryobota labecula* continues its hold as a recent colonist being recorded from Abbotsbury 04/10, Tolpuddle 23/10, 24/10 & 02/11, Swanage 27/10 & 26/11, Broadway 03/11 & 28/11 and Sandford 05/11 & 25/11 – a spread of dates indicating residence amongst the possible migrants. Similarly, **Sombre Brocade** *Dryobotodes tenebrosa* had three records from Swanage 22/09, 01/10 & 04/10 and from nearby Durlston on 02/10 where it is possibly now resident.

There was a large number of **Flame Brocade** *Trigonophora flammea* on Portland where it is probably resident, with 36 moths on 13/10 with others reported from Broadway 22/10 and Lulworth Cove 27/10, 28/10 & 31/10. The **Delicate** *Mythimna vitellina* (photo © MH Puncknowle 3.10.19) had an average year with 146 records of 235 moths. This compares with 229 moths from Bridport and Portland alone in 2018 (Atropos Migration Review 2018). With so many migrant species also being recent colonists to Dorset it is difficult to distinguish true migration activity in many species, of which **White-point** *Mythimna albipuncta* is one. This species had 295 records of 712 individuals, whilst **Turnip** *Agrostis segetum* had 99 records of 131 moths and **Dark Sword-grass** *Agrostis ipsilon* had 83 records of 96 individual moths. **Pearly Underwing** *Peridroma saucia* had 19 records of 19 moths.



White-speck *Mythimna unipuncta* had four records from Broadway 15/10, 31/10, 26/11 & 27/11, three from Walditch 31/10, 04/11 & 24/11, two from Puddletown 24/11 & 25/11, and singles from Bridport 29/10, Broadmayne 31/10, Swanage 27/10, Puncknowle 31/10, Lyme Regis 25/11 and Portland 27/12. **Cosmopolitan** *Mythimna loreyi* was only seen once at Freshwater Bay on 13/10. It was a very good year for **Radford's Flame Shoulder** *Ochropleura leucogaster* with a sudden influx in early October when it was recorded from Burton Bradstock 01/10, Abbotsbury 04/10, Puddletown 04/10 & 05/10 and Walditch 07/10. **Langmaid's Yellow Underwing** *Noctua janthina* had two widely separated records, one from Puddletown 22/07 and one from Abbotsbury 05/10.

Micro-moth Migrants (JO)

2019 saw some notable migrant micro-moths in Dorset. The scarcest migrant was *Aethes deaurana*, from Broadwey on 16/06. This is **the second UK record** of this tortricid native Southern France and Iberia; the first was recorded nearby by Paul Harris in 2017.

Crambidae often make up most of the more notable migrant micro-moth assemblage. 2019 was no different, with a host of species recorded. The first Dorset records of *Ancylolomia tentaculella* were recorded, with three records, from Weymouth on the 25/07 and the Portland Bird Observatory (PBO) on the 30/07 and 09/08. These were part of a nationwide influx of this species, which prior to 2016 had only 6 UK records.

The rare *Herpetogramma licarsisalis* **Grass Webworm** was recorded on four occasions, at Puncknowle 29/09, PBO 29/09, Bridport 30/09 and Weymouth, 05/10 (see separate article). These *licarsisalis* records are the first for VC9 since an initial record from Bournemouth in 2014. Of the less rare, but still notable migrant crambids, the following taxa had single records; *Loxostege sticticalis* at Broadwey, Weymouth on the 23/09, *Duponchelia fovealis* at Broadwey, Weymouth on the 24/07, *Antigastra catalaunalis* at Broadmayne on the 28/06, *Agrotera nemoralis* was recorded at Brownsea Island on the 02/07, *Sitochroa verticalis* at the PBO 04/08, *Sclerocona acutellus* at East Lulworth on the 25/06, *Catoptria verellus* at Southwell, Portland on the 30/06. *Euchromius ocella* was recorded twice, at Abbotsbury Gardens on the 21/02 and at Arne on the 01/03. *Palpita vitrealis* was recorded 55 times across Dorset, with the earliest records being from June and running through to November. *Udea fulvalis*, previously a migrant but now breeding in Dorset, was recorded on seven occasions, all from east Dorset.



Acrobasis tumidana (photo left © PH) was recorded eight times, with most records coming from Portland in July. *Cydia amplana* had 24 records from throughout the country. *Metalampra italica* was recorded three times, at Verwood on the 04/07, Walditch on the 24/07 and Lyme Regis on the 25/07. *Tuta absoluta* was recorded twice, at Broadwey, Weymouth on the 29/09 and at the PBO on the 05/11. *Crombrugghia laetus* **Scarce Light Plume** was recorded five times, with singles from Black Down 20/06, Puddletown 30/06, Weston, Portland 02/07, the PBO 05/07 and Southwell, Portland 13/07.

Of the common migrant micro-moths, *Plutella xylostella* **Diamond-back Moth** was recorded 321 times (861 individuals), *Udea ferrugalis* **Rusty-dot Pearl** was recorded 251 times (562 individuals) and *Nomophila noctuella* **Rush Veneer** was recorded 89 times (102 individuals).

Amongst species which are likely boosted by migrant numbers in Dorset, *Achroia grisella* **Lesser Wax Moth** had two records, at Abbotsbury Gardens on the 07/08 and at Holton Lee on the 16/09. *Dioryctria schuetzeella* was recorded at Westham, Weymouth on the 24/06 and *Dioryctria sylvestrella* had several records away from suitable habitat. *Yponomeuta orrella* **Willow Ermine**, which was recorded six times between the 24/07 and 3/08.

DEARTH OF DAYTIME OBSERVATIONS

Paul Butter

It came to my notice whilst helping to compile this report that there were fewer daytime observational records than one might expect. Quite a number of day-flying species seem to be rather under recorded; are we relying too much on the convenience of the MV light trap? The same goes for the number of larval records which is extremely low. Perhaps the publication of the new *Field Guide to the Caterpillars of Great Britain and Ireland* by Barry Henwood and Phil Sterling with the excellent illustrations by Richard Lewington might coax us to make more of an effort in 2020 and beyond?



For all these daytime sightings carrying a net is definitely an advantage, but many people are reluctant to go out with a net in case they are accused of collecting, which hopefully is becoming less of an issue with smart phone cameras always at the ready.

Going back to day-flying moths there were only two records of **Forester** *Adscita stacies* for 2019. This is a moth I have seen at many locations in the north of the county (*photo above* © PB), an area which is now getting less well-covered partly due to the sad loss of Gordon Hopkins and the moving away of Lawrie de Whalley who used to cover much of this downland area. The well-known sites for **Cistus Forester** *Adscita geryon* appear not to have been visited as there were no records at all for this moth. Is it still there?

Narrow-bordered Five-spot Burnet *Zygaena lonicerae* only had a single record but this could be due to the difficulty of an accurate identification but it a species that is extending its range. **Emperor moth** *Eudia pavonia* requires a trip out to heathland in April to see males flying rapidly over the heath. The best way of course is to have a freshly emerged female which will attract males from far and wide.

Other day-flying adults to look out for include **Purple-bordered Gold** *Idaea muricata* which is readily disturbed by day in damp heaths, bogs and marshy ground ... there was only a single record, from Arne. In chalky or limestone areas **Chalk Carpet** *Scotopteryx bipunctata* is often seen by day on downs and especially where there is any exposed stone where they rest up but are easily disturbed. Only four sites were recorded in 2019.

In herb rich grassland you might come across a great many day-flying moths such as **Mother Shipton** *Euclidia mi* (only a single record in 2019), **Burnet Companion** *Euclidia glyphica* (only three sites noted 2019) and **Small Yellow Underwing** *Panemeria tenebrata* which can often be seen nectaring in the centre of Compositae flowers (just three moths recorded). These are not rare moths and should surely be more widely recorded.

The migrant **Vestal** *Rhodometra saccharia* is also readily put up from grassy meadows and downs, in a good year in numbers. **Small Purple-barred** *Phytometra viridaria* and **Treble-bar** *Aplocera plagiata* can be added to this list, the latter again with only three sites noted in 2019. Along the coast and on waste ground or dry heathy grassland inland the **Yellow Belle** *Aspites ochrearia* gives us two broods to have a go at spotting, but only four sites are found in the 2019 dataset. **Speckled Yellow** *Pseudopanthera macularia* is so distinctive I have

often recorded it whilst driving the car and is widely distributed in Dorset, and yet there were only four sites mentioned in the Report.

A special trip out to known woodland sites is necessary to locate **Drab Looper** *Minoa murinata* where it can be seen fluttering around stands of Wood Spurge. **Four-spotted** *Tyta luctuosa* would also probably need a special trip, this time to Portland, but it has records from Purbeck as well.

Every year I mean to get my pheromone lures out to see if I can attract some Clearwings. These are all day-flying, but apart from **Lunar Hornet Moth** *Sesia bembeciformis*, **Currant Clearwing** *Synanthedon tipuliformis* and **Six-belted Clearwing** *Bembecia ichneumoniformis* I have never seen any of them whilst just out and about. They are very inconspicuous when flying around and using a lure is by far the best way to find them.

The above list is not exhaustive, we could add **Clouded Buff** *Diacrisia sannio* and more but more daytime records would be very welcome. With this glorious start to spring I must make more of an effort this year and get out walking.

DORSET MOTHS AUTUMN MEETING 2019

The Autumn Meeting 2019 was held at Tolpuddle Village Hall on Saturday 12 October 2019. Some 40 local moth recorders attended and heard the following presentations:

- Verification Team update (Mike Hetherington & Alison Stewart DERC)
- The Undiscovered Undercliff (Paul Butter)
- Moths of Poole Harbour (Chris Thain & Abby Gibbs)
- Moth Research in Goricko Nature Park, Slovenia (Peter Davey)
- Weymouth Relief Road Verges (Phil Sterling)
- Using Living Record (Adrian Bicker)

Slides of some of these talks are available at <http://www.dorsetmothgroup.info/portal>

A discussion about future directions for the Dorset Moth Group reached the following conclusions:

- A preference to keep the Group informal.
- A wish for some field meetings to be organised under the public liability insurance of another organisation.
- The production of an annual report and/or electronic newsletter.
- The organisation of an early Spring meeting. Suggested topics were: pug identification and a Living Record teach-in session. *Note: this had to be subsequently postponed due to the Coronavirus Covid-19 restrictions.*



Many thanks to all who organised and attended the event – and special thanks to Phil Sterling who chaired the meeting and Julian Francis who arranged the venue and the excellent refreshments.

GRASS WEBWORMS IN DORSET 2019

Mike Hetherington



The last weekend of September 2019 was marked by a period of mild, wet and windy weather, with strong south-westerly winds affecting south west England. Such conditions are good for moth migration, and Dorset was part of a remarkable arrival of **Grass Webworm** moths *Herpetogramma licarsisalis*.

Grass Webworm (*photo of the Bridport record* © AF 30.9.19) is a Crambid of the Old World tropics, its range extending from west Africa across south-east Asia to Australia and Pacific islands. Prior to September 2019 there had been only 15 records for the British Isles, including just

one from Dorset VC9 (Bournemouth 2014 – David Evans).

Having decided not to run the trap in Puncknowle on the previous night due to the rain and high winds, I decided to take a chance on the night of Sunday 29 September 2019. The early presence of a **Delicate** *Mythimna vitellina* was a good omen. The following morning, I saw an unfamiliar brown Crambid on a wall near to the trap. The moth (pictured above) was quickly potted.

The species did not appear to be covered in any of my guides, but I found a good match with images of *H. licarsisalis* on the Lepiforum.de website. I sent a photograph to Phil Sterling and Mark Parsons; Mark confirmed the identification, noting that it was a female when I showed the specimen to him the following day.

On turning to social media, I realised that my record was not alone. Two Grass Webworms had been trapped by Dave Grundy on the Isles of Scilly and, closer to home, an individual had also turned up at the well-known migrant hot-spot of Portland Bird Observatory. Despite an initial escape, the moth was re-trapped and identified by Martin Cade.

A third Dorset Grass Webworm turned up the following night (30 September 2019) in Andy Foster's trap in Bridport, followed a few days later by a fourth caught by Phil Sterling in Weymouth (5 October 2019). All in all, a maximum of 17 moths turned up on the South coast during this short period; while the majority arrived in Cornwall and the Isles of Scilly, the number of Dorset arrivals was both unusual and significant.

Back-tracking was subsequently carried out by Boya Gao and Jason Chapman of the University of Exeter. Although not fully conclusive, the results were consistent with the moths having arrived from Spain and travelling during the night before the initial captures. More details of the Dorset captures and the subsequent back-tracking exercise can be found in our *Atropos* article [Hetherington, M., Cade, M. & Foster A. (2020) *Atropos* **65**: pp. 24-29].