



# DORSET MOTHS (VC9) ANNUAL REPORT 2020

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Silver Barred *Deltote bankiana*, Portland 26.6.20. First for Dorset VC9 (photo © MC)

Report produced by the verification team of the Dorset Moth Group 2021. Text and photos are © authors and photographers.

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Front cover images © Debbie Saunders/Martin Cade (Rusty-shouldered Pug – First UK Record); Paul Harris (Gypsy Moth and Orache); Alison Stewart (Rosy Underwing); Colin Burningham (Five-spot Burnet f *lutescens*); Chris Manley (DMG Logo)

# INTRODUCTION – THE JOY OF MOTHS

Mike Hetherington (editor)

Welcome to the Dorset Moths Annual Report for 2020.

2020 was a difficult year for us all. However, it produced a bumper crop of Dorset moth records – an increase of about 30,000 from last year's total of 54,374. And although the number of visiting recorders fell as a result of Covid-19 movement restrictions, the overall total number of people submitting moth records showed a small increase. It looks as if moth recording has provided some joy to us all. After all, it turned out to be the perfect lockdown wildlife activity! Where possible, recorders have also been getting out and about, for example investigating leaf mines and searching out larval records. Thanks to Kerrie Ward for this photo (right) of a Death's-head Hawk-moth larva found near Wareham.



The records listed in this report have been supplied by the Dorset Environmental Records Centre (DERC), following verification by the team. We have used a cut-off date of 31 January 2021 for the consideration of records for this report. It is likely that some significant records will have been missed; we will cover these in an addendum next year.

Most records have been submitted through the Living Record <https://livingrecord.net/> website, which is the main recording tool used by Dorset moth recorders and verifiers. However, we accept records for a variety of sources, including spreadsheet submissions to the verification team (email address: [dorsetvc9mothsinfo@gmail.com](mailto:dorsetvc9mothsinfo@gmail.com)), records sent to DERC (<http://www.derc.org.uk/>) and (new for this year) submissions made via iRecord <https://www.brc.ac.uk/irecord/>. The inclusion of records from Portland Bird Observatory has enabled a greater coverage of immigrant species in this report; many thanks to Martin Cade.

A recent highlight was the release of the **Provisional Atlas of the Larger Moths of Dorset** by Les Evans-Hill, the previous Dorset County Moth Recorder. This can be downloaded online (free of charge) at the Dorset Moths website <http://www.dorsetmothgroup.info/portal>.

The team would like to express its thanks to all of the recorders who have submitted their Dorset moth records for 2020, and to those photographers who have allowed their images to be used for this report. Recorders can keep in touch with the Dorset Moths community through the Dorset Moths Facebook group. And new for 2021, look out for **@DorsetMoths** bringing you Dorset moth news on Twitter.

We look forward to seeing your 2021 records!

Dorset Moths verification team:

Adrian Bicker (Living Record), Terry Box, Paul Butter, Pete Forrest, Julian Francis, Mike Hetherington, Tom Morris, Jack Oughton, Luke Phillips, Phil Sterling (VC9 micro moth recorder) and Alison Stewart (Dorset Environmental Records Centre DERC).

# HIGHLIGHTS OF THE YEAR

Jack Oughton

During 2020, Dorset continued to produce a host of local specialities alongside noteworthy migrants, as befitting the coastal county. Dorset (VC9) had seven new county species recorded, one of which was also new for the British Isles. **Rusty-shouldered Pug** *Eupithecia breviculata* (photo top right © DS/MC) was recorded on Portland on 07/08, representing the first UK record of this species. **Cryptic Fern** *Horisme radicularia* was recorded for the first time in the county in Weymouth on 12/08 (photo right © PH). Following recognition of this species in the UK, it will be interesting to see whether this record is a one-off, or whether the moth is a long-overlooked resident. **Tawny Prominent** *Harpyia milhauseri* was found at Preston on 31/07. The final new macro moth was a **Silver Barred** *Deltote bankiana* (photo below right © MC) recorded on Portland Bill on 26/06. *Depressaria albipunctella* was recorded from Lyme Regis on the 24/06. Two new tortricid moths were recorded, *Cnephasia pumicana* from Puddletown on 05/07 and *Cydia pactolana* from Thornford on 26/05.

Of the residents, all three British members of Cossidae were recorded, including **Reed Leopard** *Phragmataecia castaneae* from the known site in east Dorset. **Portland Ribbon Wave** *Idaea degenaria* was recorded from several coastal sites, representing both residents and possible migrant individuals. The **Dingy Mocha** *Cyclophora pendularia* was recorded from several sites in east and north Dorset as both larvae and adults. **Drab Looper** *Minoa murinata* (photo right © LP) was recorded from the known haunts in Garston Wood. The **Barberry Carpet** *Pareulype berberata*, a much-declined species following destruction of the foodplant, was recorded from a known site where conservation measures are being carried out for this species. **Bilberry Pug** *Pasiphila debiliata* was found to be breeding at Black Down, being the first larval record in the county, following an adult record at the site a few years ago. **Orange Moth** *Angerona prunaria* was recorded from Leigh, representing the only record of this delightful species.

The **Oak Processionary** *Thaumetopoea processionea* had a strong period of migration in late July and early August, with a records occurring across the county. **Bloxworth Snout** *Hypena obsitalis* continues to be recorded from coastal sites. The **Speckled Footman** *Coscinia cribraria* continues to be present in the county, with a single record from Wareham Forest. The continued searches for this species which only produce very small numbers suggest this species is still just clinging on in the county.



The Catocala were represented well, with **Clifden Nonpareil** *Catocala fraxini*, and **Rosy Underwing** *C. electa* (photo left © MH), **Dark Crimson Underwing** *C. sponsa* and **Light Crimson Underwing** *C. promissa* all being recorded from multiple sites.

The **Scarce Merveille du Jour** *Moma alpium* was recorded from several sites in east Dorset, while **Morris's Wainscot** *Photedes morrisii* was recorded from its stronghold in Lyme Regis. **Beautiful Gothic** *Leucochlaena oditis* was recorded from



the coastal cliffs of Portland and Durlston during the autumn, and **Southern Chestnut** *Agrochola haematidea* continues to be recorded on the heathlands of the east. **White Spot** *Hadena albimacula* was recorded at two sites. The **Radford's Flame Shoulder** *Ochropleura leucogaster* had an excellent year, and was recorded 63 times from across the county. A single **White-marked** *Cerastis leucographa* was recorded from Hooke in March.

Among the micros, *Stigmella auromarginella* was recorded from several sites on Portland. *Pachythelia villosella* was recorded once from Bovington as a larva. A further record of *Tenaga nigripunctella* was recorded from Abbotsbury in June. This species was once thought to be extinct in the country, but a recent spate of shows that it was not lost as had been feared. Other notable tineids include *Tinea dubiella* from Abbotsbury and *Haplotinea insectella* from Puddletown. The Dorset speciality *Eudarcia richardsoni* was recorded from five locations on Portland, as larval cases.

The first Dorset VC9 record of *Bucculatrix cristatella* since c1890 was recorded at Tolpuddle. It could be well worth looking for the leaf mines of this species on Yarrow. *Phyllonorycter nigrescentella* was recorded from Beaminster, as mines on Bush Vetch. A single *Dasycera oliviella* was recorded from Merley, while *Metalampra italica* was recorded widely in the county. Singles of *Ethmia quadrillella*, and *Sorhagenia janiszewskae* represent species with few Dorset records.

There were several notable gelechiids recorded in Dorset during 2020, including *Bryotropha basaltinella* from Tolpuddle, *Monochroa lutulentella* from Corfe Meadows, *Monochroa moyses* from Arne, *Oxypteryx unicolorella* from Weymouth and several larval records of *Scrobipalpula tussilaginis* from suitable habitats on the coast. *Anarsia inoxiella* from Whitchurch Canonorum was a second record for Dorset VC9.

Among the Coleophorids, *Coleophora lutarea* was well represented in 2020, with records on Greater Stitchwort flowers across Dorset. The local saltmarsh species *Coleophora limoniella* was recorded on Sea Lavender at Arne while *Coleophora conyzae* was recorded from Walditch. The **Small Plume** *Oxyptilus parvidactyla* was recorded from Puddletown (27/06) and the **Sundew Plume** *Buckleria paludum* was recorded from Winfrith Heath (16/08).

A single *Aethes deaurana* was recorded from Weymouth, Redlands. This is the third Dorset record of this species, with the previous records from Weymouth (27/05/2017, 16/06/2019). As all three records are very close geographically the moth could be breeding in the Weymouth area although the foodplant Alexanders (*Smyrnum olusatrum*) does not occur near the trap sites. *Ancylis subarcuana* were recorded as both larvae and adults from Winfrith Heath, *Grapholita caecana* was recorded as a singleton at Ferndown, and *Pammene herrichiana* as a singleton from Weymouth.

*Udea fulvalis* was recorded widely in the Poole – Wareham region during the summer months. The **Box-tree Moth** *Cydalima perspectalis* is now common in the east of the county, and a number of records from central and west Dorset indicate it is spreading westward at quite a pace. The heathland crambids *Crambus silvella*, *Crambus uliginosellus* and *Crambus hamella* were recorded from suitable habitats in the East Dorset heathlands.

# SUMMARY OF RECORDS RECEIVED 2020

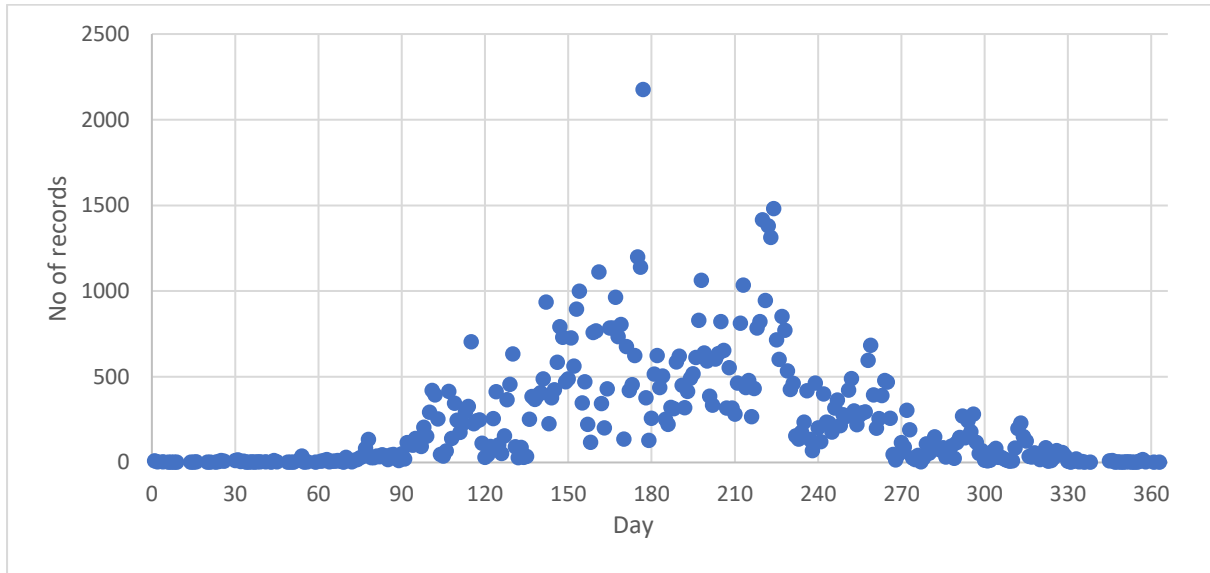
Alison Stewart (Dorset Environmental Records Centre)

As of mid-March 2021, a total of 84368 records have been received and accepted for 2020. This is an increase of 33% over the average of the previous three years.

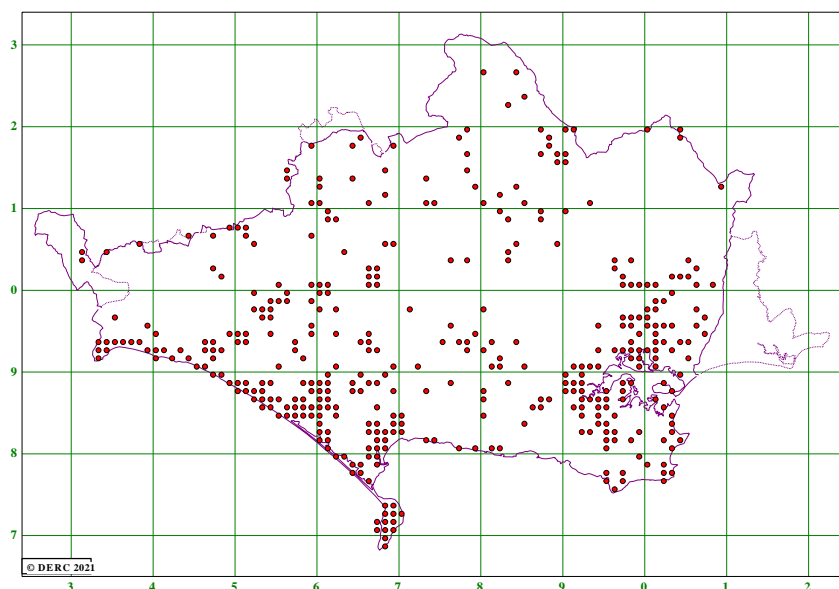
99% of the records have been processed via Living Record, 82% entered by the recorders themselves, with the remainder submitted in other formats for processing. The figures in this summary also include nearly a thousand records from other sources which have also been verified, mostly records added to iRecord from the first half of the year.

275 individual recorders contributed to the total number of records. 27 recorders made over 1000 records each, which amounted to three-quarters of the total, the most prolific recorder made just over 7000 records. The increase in the number of overall number of records is mostly due to regular recorders being at home to trap on more nights throughout the year. 107 recorders provided only one record, generally of day-flying moths or distinctive larvae, and many of these were also new recorders for Dorset. However, there were also a few who took the opportunity to try moth-trapping and contributed good numbers of records, who will hopefully continue in future years.

Records were made on 331 days throughout the year. There was continuous recording from the 1<sup>st</sup> March until 1<sup>st</sup> December. The peak number of records was made on 25<sup>th</sup> June, the same date as in 2019, but with an outstanding 2176 records. This was at the end of the spring spell of warm and dry weather and was the best catch of the year for several recorders trapping that night. There were another 9 dates between 9<sup>th</sup> June and 11<sup>th</sup> August on which over a thousand records were made.



Records were made at over 1000 different grid references, with records from several new areas compared to recent years. A few recorders combined their daily exercise with searching for leaf-mines in their local area. A number also experimented with pheromone lures. Recorded 1km squares for 2020 are shown on the following map.



1319 different taxa were recorded, some of these being the difficult species aggregates, 1288 were identified to species. For 218 species, only one record was made. The **top 20** most commonly recorded species are listed below. Although Large Yellow Underwings were yet again the most frequently recorded species, in terms of the numbers of individual adults reported they were outnumbered 2 to 1 by Heart & Darts, with over 20000 counted.

Code	Species	Common name	Number of records
73.342	<i>Noctua pronuba</i>	Large Yellow Underwing	1606
73.317	<i>Agrotis exclamationis</i>	Heart & Dart	1555
70.226	<i>Opisthograptis luteolata</i>	Brimstone Moth	1253
70.258	<i>Peribatodes rhomboidaria</i>	Willow Beauty	1185
73.015	<i>Autographa gamma</i>	Silver Y	1057
49.039	<i>Epiphyas postvittana</i>	Light Brown Apple Moth	1019
73.291	<i>Mythimna pallens</i>	Common Wainscot	1010
73.325	<i>Agrotis puta</i>	Shuttle-shaped Dart	952
73.162	<i>Apamea monoglypha</i>	Dark Arches	946
73.099	<i>Hoplodrina ambigua</i>	Vine's Rustic	927
73.249	<i>Orthosia gothica</i>	Hebrew Character	897
63.080	<i>Chrysoteuchia culmella</i>	Garden Grass-veneer	864
73.329	<i>Ochropleura plecta</i>	Flame Shoulder	854
73.359	<i>Xestia c-nigrum</i>	Setaceous Hebrew Character	826
72.019	<i>Spilosoma lutea</i>	Buff Ermine	762
73.357	<i>Xestia xanthographa</i>	Square-spot Rustic	701
70.016	<i>Idaea aversata</i>	Riband Wave	691
73.101	<i>Charanyca trigrammica</i>	Treble Lines	690
70.141	<i>Gymnoscelis rufifasciata</i>	Double-striped Pug	674
72.022	<i>Diaphora mendica</i>	Muslin Moth	638

A provisional comparison with the key figures from recent years is given below (previous years' figures revised from earlier reports to include recent additional records).

	2017	2018	2019	2020
No. of records	51987	61519	54374	84368
No. of recorders	220	255	253	275
No. of dates	309	306	328	331
No. of taxa	1097	1122	1226	1319
No. of adults (where counts given)	142488	169681	191638	244904

## LIST OF RECORDERS 2020

Our thanks go out to all of the following who submitted Dorset records for 2020 that have been included in this report. Please accept our apologies for any errors or omissions.

AB	Adrian Bicker	JHu	James Hunter	SW	Steve Whitehouse
ABe	Alan Bernard	JK	John Kennedy	TN	Tim Norris
AF	Andrew Foster	JMM	Jocelyn Mannerings	TZ	Tricia Zimmerman
AG	Abigail Gibbs	JO	Jack Oughton	WB	Will W Bown
AGr	Andrew Graham	JP	Jenny Plackett	WF	Wren Franklin
AM	Andrew May	JS	Jenny Seawright	WS	Will Soar
AMa	Alice Martin	JTM	Jez T Martin	ZC	Zoe Caals
AMi	Andrew Millar	JW	John Williamson		
AS	Alison Stewart	JWh	Jim White		
BH	Barry Henwood	JWi	John Winterbottom		
BP	Bryan Pickess	KB	Katie Black		
BS	Bob W Steedman	LP	Luke Phillips		
BSt	Brigit Strawbridge	MBu	Marion Burton		
BT	Ben Tolley	MC	Martin Cade		
BW	Bruce Willat	MD	Matthew Deans		
CA	Carole Argles	MG	Mark Gibbens		
CB	Colin Burningham	MR	Martin Raper		
CBu	Caroline Bulman	MH	Mike Hetherington		
CF	Chris Fox	MJ	Mike Jeffes		
CL	Chris Lewis	ML	Marcus Lawson		
CMa	Colin Marsh	MO	Mark Oakley		
CT	Chris Thain	MP	Mark Parsons		
DD	David Dean	MW	Martin Wood		
DE	Dave Emery	MWh	Mariko Whyte		
DF	Dave Foot	NH	Nicholas Hull		
DL	Durwyn Liley	NHo	Nick Howell		
DLo	David Lonsdale	NS	Neil Sherman		
DR	Delysia Raper	NSp	Nigel Spring		
DS	Debra Saunders	NT	Nicki Tutton		
FL	Felicity M Lewis	NV	Nigel Voaden		
GH	Gavin Haig	NW	Nick Woods		
GN	Gillian Nash	PB	Paul Butter		
GS	Geoffrey Sell	PBe	Penny Bentley		
GSm	Graeme Smith	PBJ	Peter Bruce-Jones		
HB	Hannah L Barlow	PE	Phyl England		
HC	Hugo M Carpendale	PF	Pam Field		
HG	Henry Gibbens	PH	Paul Harris		
HW	Henry Wheatcroft	PS	Phil Sterling		
HWH	Hugo Wood Homer	PSa	Phil Saunders		
IB	Ian Ballam	PSw	Paul Swann		
IH	Ian Hodgson	RA	Richard Adams		
IM	Ian Middlebrook	RC	Ruth A Carpenter		
JAN	John A Newbould	RF	Richard Fox		
JB	Jean Booth	RH	Richard Hughes		
JBa	Jonathan Batchelor	RJ	Rob Jones		
JBo	John Boarder	RL	Ricky Lambert		
JCa	Jon Campbell	RM	Rob McGibbon		
JD	John Down	RO	Rita Oxtoby		
JE	Josie Emmerson	RP	Rebecca M Porter		
JF	Julian Francis	RS	Richard A Stillman		
JFo	Jake Fox	SCa	Sue Campbell		
JFr	James Fradgley	SH	Steve Hales		
JG	Jenny Garne	S-JB	Sarah-Jane Buckle		
JH	Josie Hewitt	SM	Steven Masters		



# MACRO-MOTHS 2020

Paul Butter, Pete Forrest & 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

50.001 *Cossus cossus* **Goat Moth** Carey 25/06 (2) AG & CT; Wareham 17/09 (1) larval record JBa; Ridge 03/06 (1) RC.

50.003 *Phragmataecia castaneae* **Reed Leopard** Morden Bog 24/06 (1) netted, DL.

### SESIIDAE

52.003 *Sesia bembeciformis* **Lunar Hornet Moth** Lodgers 12/07 (1) GH; Wareham 13/07(1) ML; Poole 12/07 (1) to LUN lure ML.

52.007 *Synanthedon culiciformis* **Large Red-belted Clearwing** Wareham Forest 16/05 (1), 30/05 (1) both to pheromone lure PSa.

52.008 *Synanthedon formicaeformis* **Red-tipped Clearwing** Devonshire Head 27/07 (3) to VES lure PB; Lyme Regis 27/07 (1) to VES lure PB; The Spittles 29/07 (2) to VES lure PB; Preston 28/07 (1) JMM; Higher Hyde Heath 05/07 (2) to lure AF; Lytchett Bay 01/08 (1) PSw; Lytchett Heath 04/08 (1) field observation PSw; Broadstone 16/07 (4) AG & CT; Hatch Pond (2) 16/07 (2), 20/07 (1) AG & CT; Hatch Pond 13/07 (4) CT.

52.009 *Synanthedon flaviventris* **Sallow Clearwing** Wareham Forest 25/06 (1) ML, 25/06 (1) to lure PSa; Wareham 13/07 (1) ML; Longham Lakes 18/07 (6) MW.

52.010 *Synanthedon andrenaeformis* **Orange-tailed Clearwing** Dorchester 24/06 (2) JD; Carey 16/07 (1), 17/07 (1) AG & CT; Poole 24/06 (1) to VES lure ML.

52.012 *Synanthedon vespiformis* **Yellow-legged Clearwing** Stapehill 04/08 (1) to lure NH; Wareham Forest 30/06 (1) to lure PSa; Lytchett Heath 01/08 (1) to lure NH; Lytchett Bay 01/08 (1) NH & MW; Hatch Pond 15/07 (1) CT.

52.013 *Synanthedon tipuliformis* **Currant Clearwing** Kingston Lacy 07/06 (2) mating pair JS; Walditch 31/05 (1), 02/06 (1) MP; Dorchester 08/06 (1) JD; Stoborough 29/05 (1) DL.

52.014 *Bembecia ichneumoniformis* **Six-belted Clearwing** Lyme Regis 29/05 (1) PB; Black Ven 14/07 (2) AF; Cain's Folly 20/07 (1) AF; Cogden 15/06 (1) AF; Tout Quarry 23/07 (2) CB; Maiden Castle 13/07 (2) JD; Puddletown 17/06 (3) CT; Poole 16/07 (3) AG & CT; Hatch Pond 13/07 (3), 20/07 (6) AG & CT.

### ZYGAENIDAE

54.002 *Adscita statices* **Forester** Lankham Bottom 30/05 (1) SM, 17/06 (1) MP; Rooksmoor 27/05 (1) MP; Melbury Down 07/06 (1) SHo; Maiden Castle 29/05 (1) JD.

54.003 *Adscita geryon* **Cistus Forester** Lankham Bottom 17/07 (10) MP; Cerne Abbas 27/05 (1)

RF & JFo and 01/06 (1) JD; Hambledon Hill 27/05 (4), 08/06 (1) AGr; Sydling St Nicholas 26/05 (30) JWh & RM; Ulwell 27/05 (9) CR.

54.009 *Zygaena lonicerae* **Narrow-bordered Five-spot Burnet** Portland Verne 24/06 (5) AF; Puddletown from 12/06 (colony) HWH.

54.010 *Zygaena trifolii* **Five-spot Burnet** 27 records across the county. See the article by CB included in this Report.

## DREPANOIDEA

### DREPANIDAE

65.003 *Watsonalla cultraria* **Barred Hook-tip** Winterborne Stickland 18/04 (1) WB; Abbotsbury 11/08 SH & LP; Hooke Park 03/09 (1) SH; Portesham 07/08 (1) JD, 10/08 (1) IH & KB; Puddletown 25/07 (1), 14/09 (2), 20/09 (1) HWH; Stoborough 26/07 (11) DL; Tolpuddle 18/09 (1) JF.

65.013 *Ochropacha duplaris* **Common Lutestring** Leigh 15/06 (1) CF; Buckland Newton 23/06 (1), 24/06 (1) FL; Abbotsbury 17/07 (1) SH & LP; Powerstock 30/05 (4) LP; Weymouth, Redlands 25/06 (1) DD & 16/07 (1) PH; Broadmayne 25/06 (1), 29/06 (1) PBJ; Puddletown 23/06 (1) HWH; Wareham Forest 25/06 (3) WS.

65.016 *Achyla flavicornis* **Yellow Horned** Merley 03/03 (1) ZC.

## LASIOCAMPOIDEA

### LASIOCAMPIDAE

66.005 *Eriogaster lanestrus* **Small Eggar** Leigh 21/03 (2), 04/04 (1) GN; Tolpuddle 03/04 (1) JF; Puddletown 05/04 (1) HWH; The following records are all of larval webs, Cerne Abbas 27/05 RF & JFo; Cogden 15/05 MP & AF, 19/05 MP, 25/05 AF. West Bexington 09/05 MH; Lodors 12/05 MP; Portland Verne 24/06 AF; Bincombe 10/05 DD; Preston 24/05 DD.

66.006 *Lasiocampa trifolii* **Grass Eggar** East Stoke 08/08 (2), 11/08 (2) RC and 10/08 (1) AS; The Moors 11/08 (1) AG & CT; Corfe Hills 06/04 (1 larva) JS.

66.009 *Dendrolimus pini* **Pine-tree Lappet** Abbotsbury 31/07 (1) SH.

66.012 *Gastropacha quercifolia* **Lappet** 24 records widely distributed.

## SATURNIIDAE

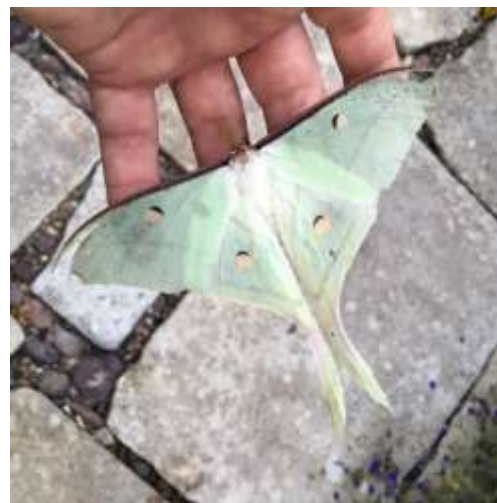
68.001 *Saturnia pavonia* **Emperor Moth** Corfe Mullen 11/04 (1) JFr; East Stoke 12/04 (1) AS; Slepe Heath 07/07 (1 larva) JS.

*Actias selene* **Indian Moon Moth** Tolpuddle 16/07 (1) & 15/08 (1) to light JF; Puddletown 16/07 (1) HWH. Assumed escape/release: see page 39. (Photo © JF 16.7.20)

## SPHINGIGIDAE

69.004 *Agrius convolvuli* **Convolvulus Hawk-moth** 32 records mainly from the southern half of the county.

69.008 *Hemaris tityus* **Narrow-bordered Bee Hawk-moth** Motcombe 25/05 (1) BSt.



69.009 *Hemaris fuciformis* **Broad-bordered Bee Hawk-moth** Lytchett Bay 06/05 (1), 30/05 (1) NH & 15/08 (1) NH, IB& JP.

69.010 *Macroglossum stellatarum* **Humming-bird Hawk-moth** 72 records with a southern bias.

69.014 *Hyles gallii* **Bedstraw Hawk-moth** Portland Bill 13/08 (1) MC; Preston 13/08 (1) RL. (Photo © MC Portland 13.8.20)



## GEOMETROIDAE

### GEOMETRIDAE

70.002 *Idea muricata* **Purple-bordered Gold** Wareham Forest 25/06 (1) dusking WS; Wareham 25/06 (1) RA.

70.003 *Idea ochrata* **Bright Wave** Portland Grove 25/06 (1) MC.

70.004 *Idea rusticata* **Least Carpet** Walditch 01/08 (1) 31/07 (1) MP; Abbotsbury 31/07 SH & 17/07 (1), 11/08 (1) SH & LP; Portland Southwell 06/09 (1) DS; Weymouth 24/06 (1) DF & 06/07 (1) LP; Preston 25/06 (1) RL; Broadmayne 09/07 (1) PBJ; Wareham 07/08 (1) RA; Swanage 07/08 (1), 11/08 (1) PE; Goathorn 04/08 (1) HG.

70.010 *Idea sylvestraria* **Dotted Border Wave** Wareham Forest 25/06 (2) WS; East Holme 05/07 (1) DL.

70.015 *Idea emarginata* **Small Scallop** Leigh 25/06 (1), 08/07 (1) CF; Yetminster 02/07 (1), 07/07 (1), 14/07 (1), 17/07 (1) CB.

70.017 *Idea degeneraria* **Portland Ribbon Wave** Ware cliffs 14/09 (1) PB; Bridport 20/10 (1) AF; Puncknowle 19/08 (1) MH; Weymouth 14/08 (1) DF; Portland 09/05 (1), 01/06 (2), 15/06 (1) JW; Weymouth, Redlands 18/08 (1) DD; Preston 03/09 (1) RL; Wareham Forest 09/09 (1) DL; Swanage 15/09 (1) PE; Durlston Country Park 15/09 (1) KB. (Photo © MH Puncknowle 19.8.20)



70.018 *Idea straminata* **Plain Wave** Carey 23/07 (1) AG & CT; Wareham Forest 03/07 (1), 12/08 (1) DL; Stoborough 09/08 (1) DL; Wareham 16/07 (1), 20/07 (1) BP; Ridge 09/07 (2) RC; Corfe Mullen 24/06 (1) JFr; Canford Heath 08/07 (2) AG & CT, 11/07 (1) NW; Merley 24/06 (1), 12/09 (1) BS.

70.025 *Scopula immutata* **Lesser Cream Wave** Holwell 01/07 (1), 17/07 (1) AM; The Spittles 07/06 (1) PB; Bridport 25/05 (1) AF; Weymouth 11/08 (1) DF; Dorchester 23/08 (1) JD; Puddletown 14/07 (1), 08/08 (1) HWH; Wareham Forest 25/06 (4) WS; Ridge 23/06 (1) RC; Hartland Moor 01/07 (1) JWh & RM; Corfe Meadows 07/07 (4) AG & CT; Corfe Mullen 23/06 (1) JFr.

70.028 *Scopula emutaria* **Rosy Wave** Wareham Forest 25/06 (1) WS; The Moors 16/06 (1), 23/06 (3) AG & CT; Upton 01/06 (1), 17/06 (1), 25/06 (1) NH.

70.030 *Cyclophora pendularia* **Dingy Mocha** Alners Gorse 05/08 (1) JO, NSp & JH; Brownsea Island 31/05 (1) NT; Rooksmoor 05/09 (5 larvae) MP & AF; Uddens Plantation 31/08 (8 larvae) MP & JP; White Sheet Plantation 31/08 (3 larvae) MP & JP; Holt 31/08 (5 larvae) MP & JP; Winfrith Heath 16/08 (1 larva) MP; Moreton Plantation 24/08 (4 larvae) MP; Tonerspudde 24/08 (2 larvae) MP.

70.032 *Cyclophora albipunctata* **Birch Mocha** 25 records from the south and east of the county.

- 70.033 *Cyclophora puppillaria* **Blair's Mocha** 50 records with a focus around Bridport.
- 70.034 *Cyclophora ruficiliaria* **Jersey Mocha** Portland Bill 14/06 (1) MC.
- 70.037 *Cyclophora linearia* **Clay Triple-lines** 25 records from the southern half of the county.
- 70.038 *Rhodometra sacraria* **Vestal** 98 records, an exceptional year for this migrant species.
- 70.039 *Phibalapteryx virgata* **Oblique Striped** Bridport 13/08 (1) AF.
- 70.041 *Scotopteryx luridata* **July Belle** Hardown Hill 30/05 (1) MP, 13/06 (2) MP & AF; Higher Hyde Heath 05/07 (1) AF; Canford Heath 05/07 (1), 11/07 (3) AG& CT; 11/07 (1) NW.
- 70.043 *Scotopteryx bipunctaria* **Chalk Carpet** Lyme Regis 15/07 (2), 22/07 (2) PB; The Spittles 08/07 (2), 23/07 (4) PB; Portland 21/07 (2), 29/07 (1) JW; Preston 02/08 (1) RL; Stonehill Down 07/08 (3) ML; Brenscombe Hill 18/07 (1) JWi.
- 70.045 *Scotopteryx chenopodiata* **Shaded Broad-bar** 32 records with large colonies on The Spittles (PB) and at Puddletown (HWH).
- 70.047 *Nycterosea obstipata* **Gem** Leigh 08/11 (1) CF; Walditch 13/08 (1) MP; Portland Bill 15/09 (1), 08/11 (1) MC; Portesham 20/10 (1), 22/10 (1) JO; Weymouth, Redlands 08/11 (1) PH; Broadstone 10/11 (1) AB.
- 70.052 *Xanthorhoe ferrugata* **Dark-barred Twin-spot Carpet** Holwell 11/08 (3) AM; Martin Down 15/05 (1) PBe; The Spittles 19/05 (1) PB; South Poorton 13/07 (1) HC; Weymouth 09/05 (1) IM; Sutton Poyntz 18/05 (1), 03/08 (1), 17/08 (1) JAN & 24/05 (1) DE & 05/08 (1) CMa & RO; Tolpuddle 20/09 (1) JF; East Stoke 08/08 (1) RC; Corfe Castle 09/09 (1) CL; Brownsea Island 25/04 (1) NT; Corfe Mullen 24/04 (1), 03/05 (1), 09/08 (1), 14/08 (1) JFr.
- 70.057 *Catarhoe rubidata* **Ruddy Carpet** Lyme Regis 28/05 (5), 07/06 (1), 19/06 (1), 20/06 (2), 15/07 (2) PB; The Spittles 23/07 (1) PB.
- 70.062 *Epirrhoe rivata* **Wood Carpet** Leigh 08/07 (1) CF; Lyme Regis 19/06 (1), 24/06 (1) PB; The Spittles 24/06 (1) PB; Whitchurch Canonicorum 11/06 (1) LP & AMa; Puddletown 05/06 (2) HWH.
- 70.063 *Epirrhoe galiata* **Galium Carpet** 24 records mainly from the south coast.
- 70.064 *Euphyia biangulata* **Cloaked Carpet** Leigh 08/07 (1) CF; Whitchurch Canonicorum 05/07 (1), 18/07 (1) LP & AMa; Wareham 24/07 (1) BP.
- 70.065 *Euphyia unangulata* **Sharp-angled Carpet** Leigh 25/06 (1) GN; Ryewater 09/05 (1), 15/06 (1) WF; Whitchurch Canonicorum 24/05 (1), 25/06 (1), 14/08 (1) LP & AMa; Powerstock 30/05 (2) LP; Portesham 11/08 (1) JO; Weymouth 06/08 (1) LP; East Stoke 24/06 (1) AS; Swanage 07/08 (1) PE.
- 70.068 *Mesoleuca albicillata* **Beautiful Carpet** Puddletown 13/07 (1) HWH.
- 70.070 *Larentia clavaria* **Mallow** Bridport 11/11 (1) AF; Walditch 18/10 (1), 28/10 (1) MP; Portland 18/10 (1) JW; East Stoke 17/10 (1), 23/10 (1) AS; St. Aldhelm's Head 19/05 (1) AF; Stoborough 22/10 (1) DL.
- 70.076 *Hydriomena ruberata* **Ruddy Highflyer** The Spittles 02/05 (4), 16/05 (2), 19/05 (1), 21/05 (2) PB; Stoborough 10/05 (1) DL.
- 70.082 *Thera juniperata* **Juniper Carpet** Corfe Mullen 13/06 (1) JFr.

70.090 *Eulithis testata* **Chevron** The Spittles 24/06 (2), 08/07 (7), 23/07 (3), 12/08 (3) PB; Portland Bill 08/07 (1) MC; Higher Hyde Heath 11/07 (1) JHu; East Holme 05/07 (2) DL; Wareham 08/08 (1) BP; The Moors 11/08 (2) AG & CT; Canford Heath 11/07 (2) ML.

70.092 *Eulithis mellinata* **Spinach** Whitchurch Canonicorum 25/06 (1) LP & AMa; Charminster 24/07 (1) JB.

70.098 *Dysstroma citrata* **Dark Marbled Carpet** Pimperne 23/08 (1), 02/09 (1) CA; Bovington 26/05 (1) HB.

70.101 *Colostygia multistrigaria* **Mottled Grey** Portland 19/03 (1) JW.

70.109 *Epirrita autumnata* **Autumnal Moth** Lyme Regis 17/11 (1) PB.

70.111 *Asthenes albulata* **Small White Wave** 25 records from just 8 locations.

70.112 *Euchoeca nebulata* **Dingy Shell** Leigh 30/06 (1) CF; Winterborne Stickland 09/08 (1) WB; Ferndown 15/06 (1) MO; Lyme Regis 23/07 (1) PB; Bridport 15/06 (1) HW; Bothenhampton 05/07 (1), 08/07 (2) MP & 26/06 (1) MP & AF; Carey 10/08 (2) AG & CT; Wareham Forest 07/08 (1) DL.

70.113 *Hydrelia sylvata* **Waved Carpet** Lyme Regis 23/06 (1) PB.

70.117 *Minoa murinata* **Drab Looper** Stubhampton Bottom 01/06 (6) MP; Garston Wood 29/05 (1) LP.

70.118 *Philereme vetulata* **Brown Scallop** Leigh 13/06 (1) CF; Winterborne Stickland 27/06 (1) WB; Pimperne 20/06 (1), 25/06 (2) CA; Puddletown 25/06 (1), 30/06 (1), 09/07 (1) HWH.

70.119 *Philereme transversata* **Dark Umber** Leigh 23/07 (1) LP; Bridport 15/07 (1) AF; Puddletown 21/06 to 18/07 (7) HWH

70.124 *Pareulype berberata* **Barberry Carpet** Pimperne 31/08 (21 larvae) MP & JP.

70.127 *Horisme tersata/radicaria* **Fern/Cryptic Fern** Yetminster 09/06 to 27/07 (10) CB; Winterborne Stickland 30/06 (1), 01/07 (1) WB; Pimperne 07/07 (1) CA; Lyme Regis 24/06 (3), 15/07 (2) PB; Swanage 25/06 (2), 21/07 (2) PE; Durlston Country Park 23/06 (1) KB.

70.1271 *Horisme radicularia* **Cryptic Fern** Weymouth, Redlands 12/08 (1) PH det PS. **First Dorset (VC9) record.** (Photo © PH)



70.128 *Melanthia procellata* **Pretty Chalk Carpet** Yetminster 14/08 (1) CB; Purse Caundle 27/05 (1) JE; Lyme Regis 20/06 (2), 25/06 (1), 15/07 (1) PB; The Spittles 16/06 (1) PB; Puddletown 25/05 to 18/08 HWH & RP; Tolpuddle 19/07 (1), 15/08 (1) JF; Durlston Country Park 17/05 (1) KB.

70.129 *Anticollix sparsata* **Dentated Pug** Uddens Plantation 31/08 (1 larva) MP & JP.

70.130 *Odezia atrata* **Chimney Sweeper** Valley of Stones 25/05 (3) BE; Corfe Common 26/05 to 22/06 (16) RH.

70.134 *Perizoma bifaciata* **Barred Rivulet** Alners Gorse 05/08 (1) JO, NSp & JH; Portland 21/07 (2) JW; Swanage 07/08 (1) PE.

70.137 *Perizoma albulata* **Grass Rivulet** Carey 25/06 (1) AG & CT; Swanage 08/06 (1), 13/08 (1) PE.

70.143 *Pasiphila chloerata* **Sloe Pug** Thornford 26/05 (1) NHo (det. PS); Leigh 04/06 (1) CF; East Stoke 09/06 (1) AS; Whitchurch Canonicorum (1) 25/06 LP & AMa. (Photo © LP Whitchurch Canonicorum 25.6.20)



70.145 *Pasiphila debiliata* **Bilberry Pug** Black Down 26/04 (7 larvae) JO. (Photo © JO reared from larva found at Black Down)

70.146 *Eupithecia haworthiata* **Haworth's Pug** Bracketts Coppice 16/07 (1) MP & AF; Yetminster 25/06 (3) CB; Lyme Regis 19/06 to 15/07 (8) PB; Whitchurch Canonicorum 18/07 (1) LP & AMa; Walditch 19/07 (1) MP; Puncknowle 22/06 (1) MH; Portesham 09/08 (1) JO; Weymouth, Redlands 25/06 (1), 08/07 (1) PH; Charminster 26/07 (1) JB; Tolpuddle 26/05 (1), 17/06 (1) JF.



70.147 *Eupithecia tenuiata* **Slender Pug** The Spittles 23/07 (1) PB; Whitchurch Canonicorum 18/07 (1) LP & AMa; Weymouth, Redlands 18/07 (2) PH; Weymouth 08/07 (1) LP; Sutton Poyntz 31/05 (1) CMa & RO; 08/07 (1) JAN; Broadmayne 21/07 (1) PBJ; Puddletown 30/05 (1), 15/07 (1) HWH; Tolpuddle 15/07 (1), 17/07 (1), 18/07 (1) JF; Swanage 29/06 (1) PE; Brownsea Island 16/05 (2) NT

70.148 *Eupithecia inturbata* **Maple Pug** Bracketts Coppice 10/08 (1) MP & AF; Alners Gorse 05/08 (2) JO, NSp & JH; Lyme Regis 30/07 (2), 31/07 (1), 07/08 (1) PB; Walditch 01/08 (1) MP; Portesham 08/08 (2) JO; Weymouth, Redlands 25/06 to 23 /07 (4) PH; Puddletown 16/07 (1) HWH; Tolpuddle 31/07 (1) JF; Swanage 16/07 (1) PE.

70.149 *Eupithecia abietaria* **Cloaked Pug** Portland Bill 18/06 (10) MC.

70.150 *Eupithecia linariata* **Toadflax Pug** Lyme Regis 15/07 (1) PB; Portland 06/08 (1) JW; Weymouth, Redlands 09/06 (1) DD; Sutton Poyntz 14/06 (1), 10/07 (1), 13/07 (1) CMa & RO; Tolpuddle 15/08 (1) JF.

70.152 *Eupithecia ultimaria* **Channel Islands Pug** Lyme Regis 25/06 (1) PB; The Spittles 19/05 (1) PB; Puncknowle 30/07 (1) MH; Abbotsbury 31/07 (1), 11/08 (2), 15/08 (1) SH; Portland Bill 06/08 (1) MC.

70.161 *Eupithecia virgaureata* **Golden-rod Pug** Lyme Regis 15/07 (1) PB det PS.

70.162 *Eupithecia tantillaria* **Dwarf Pug** Thornford 19/05 (1) NHo; Ferndown 31/05 (1) MO; Lyme Regis 17/05 (1) PB; Sutton Poyntz 08/07 (1) JAN; Puddletown 28/05 (1), 01/06 (1) HWH.

70.163 *Eupithecia lariciata* **Larch Pug** Leigh 23/07 (1) CF; Puddletown 24/04 (1), 02/05 (1), 30/05 (1) HWH.

70.166 *Eupithecia simpliciata* **Plain Pug** Winterborne Stickland 12/07 (2) WB; Weymouth 10/08 (2), 13/08 (1) DF and 15/07 (1) LP.

70.169 *Eupithecia innotata* **Angle-barred Pug** Bridport 03/06 (1), 05/06 (1) HW; Stoborough 03/06 (1) DL; Whitchurch Canonicorum f. fraxinata 25/06 (1) LP & AMa.

70.1698 *Eupithecia breviculata* **Rusty-shouldered Pug** Portland Southwell 06/08 (1) DS det MD. **First UK record.**

70.170 *Eupithecia irriguata* **Marbled Pug** Bridport 18/04 (1) AF.

70.171 *Eupithecia indigata* **Ochreous Pug** 18/04 (1) AF; Portesham 03/05 (1) JO; Puddletown

27/04 to 09/05 (6); Tolpuddle 24/05 (1) JF; Poole 03/05 (1) ML.

70.172 *Eupithecia distinctaria* **Thyme Pug** Portland 08/06 (1), 15/06 (1) JW.

70.175 *Eupithecia trisignaria* **Triple-spotted Pug** Corfe Mullen 15/06 (1) JFr.

70.177 *Eupithecia satyrata* **Satyr Pug** Whitchurch Canonicorum 04/05 (1) LP & AMa det PS.

70.181 *Eupithecia valerianata* **Valerian Pug** Portland 15/06 (1) JW; Puddletown 09/06 (1) HWH.

70.187 *Eupithecia icterata* **Tawny Speckled Pug** Weymouth, Redlands 16/08 (1) DD; Bovington 12/08 (1) HB; Stoborough 09/08 (1) DL; Swanage 11/08 (2), 26/08 (1) PE.

70.188 *Eupithecia succenturiata* **Bordered Pug** Broadmayne 08/08 (1) PBJ; Puddletown 26/06 to 08/08 (6) HWH.

70.189 *Eupithecia subumbrata* **Shaded Pug** Portland 15/06 (2) JW det MC.

70.192 *Aplocera plagiata* **Treble-bar** Thornford 19/05 (1) NHo; The Spittles 21/05 (1) PB; Portland 15/09 (1) JW; Higher Hyde Heath 25/07 (1) JHu; Carey 25/06 (1) AG & CT; Wareham Forest 07/08 (1), 12/08 (3) DL; Wareham 02/05 (1), 05/08 (1) BP; Hamworthy 31/07 (1), 09/08 (1) AG & CT; Langton Matravers 17/05 (1), 11/08 (1) JK; Swanage 24/07 (1), 02/08 (1), 11/08 (1) PE; Merley 08/08 (1) TZ.

70.195 *Chesias legatella* **Streak** Puddletown 07/11 (1) HWH; Tolpuddle 21/11 (1) JF. (Photo © JF Tolpuddle 21.11.20)

70.198 *Lobophora halterata* **Seraphim** Ferndown 11/04 (1) MO; Whitchurch Canonicorum 21/04 (1) LP & AMa; Bridport 25/05 (1) AF; Weymouth 08/05 (1) DF; Portesham 17/05 (1) JO; Sutton Poyntz 03/06 (1) JAN; Puddletown 03/05 (1), 27/05 (1) HWH; East Stoke 27/07 (1) AS; Broadstone 02/05 (1) JS; Corfe Mullen 24/04 (3) JFr; Merley 26/05 (1) BS; Poole 16/04 (1), 03/05 (2) ML.

70.211 *Macaria notata* **Peacock Moth** Alners Gorse 05/08 (1) JO, NSp & JH; East Stoke 11/08 (1) AS; Brownsea Island 20/04 to 01/06 (13) NT; Corfe Mullen 07/08 (1) JFr.

70.218 *Chiasmia clathrata* **Latticed Heath** Portland Bill 25/06 (1), 20/08 (1) MC; Tolpuddle 22/08 (1) JF.

70.221 *Cepphis advenaria* **Little Thorn** Broadmayne 17/05 (1), 26/05 (1) PBJ; Bovington 21/05 (1) HB.

70.223 *Plagodis pulveraria* **Barred Umber** Leigh 25/05 (1) CF; The Spittles 16/05 (1) PB; Whitchurch Canonicorum 03/05 to 24/05 (6) LP & AMa; Powerstock 30/05 (1) LP; Powerstock Common 24/05 (1) MP.

70.229 *Pseudopanthera macularia* **Speckled Yellow** Lankham Bottom 18/05 (1), 20/05 (2) IM & NSp; Cain's Folly 25/05 (1) MP; Stonebarrow 05/06 (1) PB; Golden Cap 25/04 (1) PB; Black Down 21/05 (1), 26/05 (1) JO; Lulworth Lake 20/05 (1) IM.

70.230 *Angerona prunaria* **Orange Moth** Leigh 04/06 (1) CF.

70.231 *Apeira syringaria* **Lilac Beauty** 22 records from 13 sites across the county.

70.233 *Ennomos quercinaria* **August Thorn** 29 records from 10 sites.



- 70.246 *Apocheima hispidaria* **Small Brindled Beauty** Leigh 26/03 (1) CF.
- 70.247 *Phigalia pilosaria* **Pale Brindled Beauty** Leigh 22/02 (2) CF; Puddletown 31/01 (1) HWH.
- 70.254 *Agriopis aurantiaria* **Scarce Umber** Blandford 20/11 (1) BW; Weymouth 07/11 (1) DF; Preston 08/11(1), 09/11(1), 10/11 (1) RL; Broadmayne 07/11 (1) PBJ.
- 70.256 *Erannis defoliaria* **Mottled Umber** 18 records from 15 sites over the county.
- 70.262 *Selidosema brunnearia* **Bordered Grey** Higher Hyde Heath 24/07 (1) JHu; Stoborough 09/08 (1) DL.
- 70.263 *Cleora cinctaria* **Ringed Carpet** Wareham 01/05 (1) BP; Upton 03/05 (1) S-JB; Poole 10/04 (1) ML and 18/04 (1), 08/05 (1) PF.
- 70.264 *Deileptenia ribeata* **Satin Beauty** The Spittles 16/06 (1) PB; Abbotsbury 17/07 (1), 11/08 (1) SH & LP; Carey 29/06 (2), 20/07 (1) AG & CT.
- 70.267 *Hypomecis roboraria* **Great Oak Beauty** East Stoke 26/05 (1) AS; Corfe Mullen 13/06 (1) JFr.
- 70.268 *Hypomecis punctinalis* **Pale Oak Beauty** Carey 16/07 (1) AG & CT.
- 70.272 *Paradarisa consonaria* **Square Spot** Purse Caundle 09/08 (1), 20/08 (1) JE.
- 70.273 *Parectropis similaria* **Brindled White-spot** Merley 15/06 (1) TZ.
- 70.274 *Aethalura punctulata* **Grey Birch** Ferndown 24/04 (1) MO; Tolpuddle 18/04 (1) JF; Upton 19/04 (1) S-JB; Merley 09/05 (1) ZC.
- 70.275 *Ematurga atomaria* **Common Heath** Cain's Folly 25/05 (1) MP; Golden Cap 13/05 (1) PB; Hardown Hill 21/05 (2) MP; Black Down 08/05 (1), 21/05 (1), 25/05 (1) JO; Winfrith Heath 30/05 (1) AF; Moreton plantation 15/05 (2) AF; Bovington 15/05 (1) AF; Higher Hyde Heath 08/06 (1) SM; Wareham Forest 25/06 (2) WS; Great Ovens Hill 10/07 (1) JTM; Corfe Hills 23/04 (1) NW.
- 70.276 *Bupalus piniaria* **Bordered White** Ferndown 19/06 (1) MO; Wareham Forest 25/06 (1) WS and 08/07 (1) DL; Upton 25/06 (1) NH; Corfe Mullen 23/06 (2) JFr; Poole 24/05 (1), 30/05 (1) PF.
- 70.279 *Lomographa bimaculata* **White-pinion Spotted** Cain's Folly 25/05 (1) MP; Walditch 21/05 (1) MP; Powerstock 30/05 (1) LP; Black Down 08/05 (1) JO.
- 70.282 *Theria primaria* **Early Moth** 26 records from 9 locations.
- 70.287 *Charissa obscurata* **Annulet** The Spittles 23/07 (1), 12/08 (8), 16/09 (1) PB; Weymouth 18/08 (1) DF; Portland 09/08 (1), 11/08 (10), 30/08 (1) JW.
- 70.294 *Aspitates ochrearia* **Yellow Belle** Cogden 15/05 (1) MP & AF; Abbotsbury 31/08 (1) SH & LP; Weymouth 15/05 (1), 19/05 (1), 02/06 (1) IM; Portland 30/08 (2) JW; Weymouth, Redlands 15/05 (1) DD; Bincombe 23/08 (1) MH; Stonehill Down 09/05 (1) DL; The Moors 11/08 (1) AG & CT; Hamworthy 30/08 (1) AG & CT; Langton Matravers 26/08 (1) JK; Swanage 09/05 (1), 15/05 (1), 20/05 (1) 26/08 (1) PE.
- 70.297 *Pseudoterpna pruinata* **Grass Emerald** 21 records from 12 locations.
- 70.300 *Comibaena bajularia* **Blotched Emerald** Ryewater 09/06 (4) WF; Ferndown 26/05 (1) WF; Whitchurch Canonicorum 17/06 (1) LP & AMa; Puddletown 28/05 (1) HWH; Stoborough 14/06 (1)



DL; Wareham 11/06 (1) RA; Upton 07/06 (1) NH; Hamworthy 02/06 (1) AG & CT; Corfe Mullen 09/06 to 23/06 (4) JFr; Merley 13/06 (1) MBu & 16/07 (1) BS.

70.303 *Jodis lactearia* **Little Emerald** Yetminster 17/06 (1) CB; Stubhampton Bottom 01/06 (1) MP; Whitchurch Canonicorum 01/06 (3), 09/06 (1), 30/06 (1) LP & AMa; Powerstock 30/05 (3) LP; Wareham Forest 25/06 (3) WS; Swanage 28/07 (1), 31/07 (1), 30/08 (1) PE.

70.306 *Chlorissa viridata* **Small Grass Emerald** Wareham Forest 25/06 (1) WS; Slepe Heath 21/05 (3) DL & 21/05 (4) PSa; Studland Heath 27/05 (1) CR.

## NOCTUOIDEA

### NOTODONTIDAE

71.001 *Thaumetopoea processionea* **Oak Processionary Moth** Portland Bill 31/07 (1) MC; Portland 31/07 (1) JW; Weymouth 31/07 (1) LP; Weymouth, Redlands 31/07 (2) PH; Puddletown 31/07 (1) HWH; Hamworthy 31/07 (1) AG & CT; Goathorn 31/07 (1) MG & HG; Sutton Poyntz 01/08 (1) CMA & RO; Preston 02/08 (1) RL; Swanage 02/08 (1) PE; Weymouth 10/08 (1) DF; Carey 26/08 (1) AG & CT.

71.003 *Cerura vinula* **Puss Moth** A good year for the species with 50 records throughout the county.

71.006 *Furcula bicuspis* **Alder Kitten** Beaminster 23/04 (1), 09/05 (1) MR; Whitchurch Canonicorum 09/05 (3) LP & AMa; Bridport 18/05 (1) HW; Leigh 21/05 (1) CF; Lyme Regis 22/05 (1) PB; Sutton Poyntz 07/06 (1) SCa & JCa;

71.008 *Harpyia milhauseri* **Tawny Prominent** Preston 31/07 (1) RL. **1<sup>st</sup> Dorset (VC9) record.**

71.010 *Drymonia dodonaea* **Marbled Brown** Wareham 06/04 (1) BP; Bridport 13/04 (2) HW; Stoborough 18/04 (1) JW; Weymouth, Redlands 06/05 (1) DD; Ridge 17/05 (1) RC; Bovington 26/05 HB; Broadmayne 02/06 (1) PBJ; Merley 08/06 (1) MBu; Corfe Mullen 09/06 (3) JFr.

71.021 *Ptilodon capucina* **Coxcomb Prominent** A much better year with 63 records in 2020 compared with only 11 in 2019.

71.023 *Odontosia carmelita* **Scarce Prominent** Wareham 18/04 (1) BP; Merley 18/04 (1) BS; Tolpuddle 24/04 (1) JF; Corfe Mullen 24/04 (1) JFr; Broadstone 26/04 (1) AB.

71.027 *Clostera curtula* **Chocolate-tip** A much better year with 43 records in 2020 compared with only 12 in 2019.

### EREBIDAE

72.004 *Hypena rostralis* **Buttomed Snout** Winterborne Stickland 25/05 (1) WB; Tolpuddle 02/06 (1) JF. (Photo © JF, Tolpuddle)

72.006 *Hypena obsitalis* **Bloxworth Snout** Studland Heath 04/01 MWh; Langton Matravers 24/01 JK; Bridport 14/08 (1) AF; Preston 06/09 (1) RL; Stoborough 19/09 (1) DL; Abbotsbury 28/09 (1) SH; Portland, Verne 22/10 (4) NV; Weymouth, Redlands 30/10 (1) PH; Lyme Regis 19/12 (1) PB.

72.007 *Hypena crassalis* **Beautiful Snout** Hardown Hill 03/06 (1) MP; Black Down 07/06 (1) MP; Puddletown 13/07 (1), 26/07 (1) HWH; Bovington 07/08 HB; Broadmayne 07/08 (1) PBJ; Sutton Poyntz 17/08 (1) CMA & RO.



- 72.009 *Leucoma salicis* **White Satin Moth** A good year with 47 records compared with 23 in 2019.
- 72.011 *Lymantria dispar* **Gypsy Moth** Dorchester 04/08 (1) JD; Weymouth, Redlands 07/08 (1) PH; Tolpuddle 15/08 (1) JF.
- 72.016 *Dicallomera fascelina* **Dark Tussock** Stoborough 26/07 (1) DL.
- 72.017 *Orgyia antiqua* **Vapourer** 2020 saw 26 records compared with only 9 in 2019.
- 72.023 *Diacrisia sannio* **Clouded Buff** Winfrith Heath 30/05 (1) AF, Weymouth, Redlands 31/05 (1) DD; Dorchester 06/06 (1) JD; Studland Heath 08/06 (2) DLo; The Moors 09/06 (1), 16/06 (3), 23/06 (1) AG & CT; Stoborough 10/06 (1) DL.
- 72.030 *Euplagia quadripunctaria* **Jersey Tiger** The increase in numbers of this species continued with 315 individuals recorded in 2020 compared with 259 in 2019.
- 72.032 *Coscinia cribraria* **Speckled Footman** Wareham Forest 26/06 (1) DL.
- 72.039 *Pelosia muscerda* **Dotted Footman** Wareham 13/08 (1) RA.
- 72.041 *Lithosia quadra* **Four-spotted Footman** Less common this year with 209 records compared to 536 in 2019.
- 72.042 *Atolmis rubricollis* **Red-necked Footman** Puddletown 24/06 (2) HWH; Carey 29/06 (1) AG & CT.
- 72.047 *Eilema caniola* **Hoary Footman** Broadmayne 06/08 (1) PBJ; Portland Bill 26/08 (1) MC.
- 72.060 *Hyphenodes humidalis* **Marsh Oblique-barred** Brownsea Island 09/06 (1) NT.
- 72.062 *Schrankia taenialis* **White-line Snout** Whitchurch Canonorum 07/07 (2) LP & AMa; 17/07 Abbotsbury SH & LP; Walditch 31/07 (1) MP.
- 72.063 *Lygephila pastinum* **Blackneck** The Spittles 07/06 (1), 16/06 (6), 24/06 (5), 08/07 (2), 23/07 (1) PB; Puncknowle 19/06 (1) MH; Durlston Country Park (1) 23/06 KB; Puddletown 25/06 (1), 26/06 (1) HWH; Weymouth 08/07 (1) LP; Weymouth, Redlands 14/08 (1) DD
- 72.067 *Phytometra viridaria* **Small Purple-barred** Stoborough Heath 09/05 (8) DL; Powerstock Common 21/05 (1) MP & AF; Wareham Forest 25/06 (2) WS; Leigh 30/06 CF; Canford Heath 08/07 (6) AG & CT, (1) NW; Ridge 09/07 (1) RC; Higher Hyde Heath 24/07 (1) JHu; Stoborough 25/07 (11) DL.
- 72.073 *Eublemma parva* **Small Marbled** Portland, Southwell 15/09 (1) DS.
- 72.074 *Eublemma purpurina* **Beautiful Marbled** Swanage 08/06 (1) PE; Whitchurch Canonorum 09/08 (1) LP & AMa; Portland Bill 10/08 (1), 11/08 (1), 12/08 (3), 13/08 (1), 14/08 (2) MC; Portesham 10/08 (1) IH & KB; Sutton Poyntz 13/08 (1), 16/08 (1) JAN; Puddletown 19/09 (2) HWH. (Photo © MC, Portland 13.8.20)
- 72.076 *Catocala fraxini* **Clifden Nonpareil** 43 were recorded in 2020.
- 72.078 *Catocala nupta* **Red Underwing** A better year with 41 records compared with 24 in 2019.



72.079 *Catocala electa* **Rosy Underwing** East Stoke 16/08 (1) AS; Puncknowle 19/08 (1) MH; Portland, Southwell 30/08 (1) DS; Abbotsbury 31/08 (1) SH & LP; Corfe Castle 05/09 (1) CL.

72.081 *Catocala sponsa* **Dark Crimson Underwing** Swanage 26/07 (1) AMi; Preston 15/08 (1) RL; Lyme Regis 20/08 (1) PB.

72.082 *Catocala promissa* **Light Crimson Underwing** Corfe Mullen 24/07 (1), 14/08 (1) JFr; Alners Gorse 05/08 (2) JO, NSp & JH.  
(Photo © JO, Alners Gorse 5.8.20)



72.083 *Euclidia glyphica* **Burnet Companion** Better recorded this year with 22 seen compared with only 3 in 2019.

72.084 *Euclidia mi* **Mother Shipton** Better recorded this year with 22 seen compared with only 1 in 2019.

## NOCTUIDAE

73.004 *Thysanoplusia orichalcea* **Slender Burnished Brass** Portland Bill 20/08 (1) MC.

73.008 *Chrysodeixis chalcites* **Golden Twin-spot** Weymouth, Redlands 07/10 (1), 18/10 (1), 21/11 (1) PH; Bridport 07/11 (1) AF.

73.010 *Macdunnoughia confusa* **Dewick's Plusia** Puddletown 19/04 (1) HWH; Whitchurch Canonicorum 22/04 (1) LP & AMa; Bridport 11/09 (1) AF; Portland Bill 15/09 (1), 28/09 (1), 20/10 (1) MC; Shaftesbury 17/09 (1) JBo; Tolpuddle 19/09 (1) JF; Wareham 22/10 (1) RA; Portesham 22/09 (1) JO.

73.016 *Autographa pulchrina* **Beautiful Golden Y** Walditch 26/05 (1), 07/06 (1) MP; Whitchurch Canonicorum 28/05 (1) LP & AMa; Beaminster 07/06 (1); Lyme Regis 10/07 (1) PB; South Poorton 15/07 HC.

73.017 *Autographa jota* **Plain Golden Y** The same number of records as 2019 with 25 recorded.

73.027 *Deltote bankiana* **Silver Barred** Portland Bill 26/06 (1) MC. **First Dorset VC9 record.**

73.028 *Acontia lucida* **Pale Shoulder** Portland, Grove 12/08 (1) MC.

73.031 *Tyta luctuosa* **Four-spotted** A very good year for the species with 25 recorded at Portland Bill compared with only 1 in 2019.

73.033 *Diloba caeruleocephala* **Figure of Eight** Puncknowle 18/10 (1) MH; Holwell 19/10 (1) AM; Leigh 20/10 CF; Portesham 20/10 (1), 29/10 (1) JO; Ryewater 21/10 (7) WF; Yetminster 22/10 (1) CB.

73.034 *Moma alpium* **Scarce Merveille du Jour** Merley 01/06 (1) MBu; Corfe Mullen 09/06 (2), 24/06 (1), 25/06 (1) JFr.

73.036 *Acronicta alni* **Alder Moth** A better year for the species with 27 recorded compared with only 6 in 2019.

73.037 *Acronicta tridens* **Dark Dagger** Bridport 29/06 (1) AF; Lyme Regis 07/07 (2) PB; Durlston Country Park 31/07 (1) BT.

73.038 *Acronicta psi* **Grey Dagger** Bridport 19/04 (1) AF; Lyme Regis 15/07 (1), 29/07 (1), 30/07 (1), 03/08 (1) PB; Abbotsbury 06/08 (1) JO; The Spittles 12/08 (1) PB; Wareham 01/10 (1) BP. Also

a further 165 records of the aggregate *Acronicta tridens/psi* across the county.

73.040 *Acronicta leporina* **Miller** A better year for the species with 50 recorded compared with only 11 in 2019.

73.048 *Panemeria tenebrata* **Small Yellow Underwing** Whitchurch Canonicorum 07/05 (1), 17/05 (1), 19/05 (1) LP & AMa; Chideock 07/05 (1) MP.

73.053 *Cucullia chamomillae* **Chamomile Shark** Weymouth 22/04 (1) IM.

73.061 *Stilbia anomala* **Anomalous** Tonerspuddle Heath 03/09 (14) SH & LP; Wareham Forest 09/09 (2), 18/09 (6) DL; Corfe Castle 10/09 (1) CL; Wareham 11/09 (1) BP; Stoborough 15/09 (1) DL; East Holme 19/09 (1) DL; Upton 20/09 (1) NH; Abbotsbury 20/09 (1) SH, LP & JO.

73.062 *Amphipyra pyramidea* **Copper Underwing** Blandford 11/05 (1) BW; Weymouth, Redlands 04/08 PH; East Stoke 04/08 (1), 14/08 (1), 16/08 (1) AS; Tolpuddle 09/08 (1), 14/08 (1), 19/08 (1), 20/08 (1) JF; Dorchester 10/08 (1) JD; Broadmayne 18/08 (1) PBJ; Lyme Regis 23/08 (1), 02/09 (1) PB; Carey 26/08 (1) AG & CT; Abbotsbury 20/09 (1) SH, LP & JO, 28/09 (1) SH.

73.063 *Amphipyra berbera* **Svensson's Copper Underwing** East Stoke 04/07 (1) RS; Dorchester 05/07 (1) JD; Broadmayne 11/08 (1) PBJ; Lyme Regis 20/08 (1), 02/09 (1) PB; Tolpuddle 03/09 (1) JF; Abbotsbury 20/09 (1) SH. Also a further 57 records of the aggregate *Amphipyra pyramidea/berbera* across the county.

73.065 *Asteroscopus sphinx* **Sprawler** Leigh 07/11 CF, Yetminster 07/11 (1), 08/11 (1) CB; Holwell 11/11 (1) AM.

73.070 *Pyrrhia umbra* **Bordered Sallow** Weymouth 02/06 (1) IM, Weymouth 02/06 (1), 17/07 (1) DF; Sutton Poyntz 06/06 (1), 13/06 (8), 17/06 (1), 24/06 (1) CMa & RO; Swanage 08/06 (1), 17/06 (1), 24/06 (1), 29/06 (1), 18/07 (1) PE; Walditch 08/07 (1) MP; Lyme Regis 15/07 (1) PB.

73.074 *Heliiothis peltigera* **Bordered Straw** Swanage 15/06 (1), 17/06 (1) PE; Winterborne Stickland 28/06 (1) WB; Puncknowle 21/09 (1) MH. (Photo © MH Puncknowle 21.9.20)



73.076 *Helicoverpa armigera* **Scarce Bordered Straw** 2020 saw 45 individuals of this immigrant moth compared with 28 in 2019.

73.082 *Cryphia algae* **Tree-lichen Beauty** Portland Bill 05/08 (1), 10/08 (2), 12/08 (1), 13/08 (1), 15/08 (1) MC; Swanage 07/08 (2), 09/08 (1), 13/08 (2) PE; Preston 13/08 (1) RL.

73.084 *Bryophila domestica* **Marbled Beauty** Sutton Poyntz 13/07 (1), 01/08 (2), 02/08 (1), 10/08 (1), 17/08 (1) CMa & RO; Walditch 18/07 (1), 03/09 (1) MP; Winterborne Stickland 23/07 (1) WB; Bridport 27/07 (1) AF, 23/08 (1) HW; Portland 11/08 (3) JW; Broadmayne 11/08 (1) PBJ; Swanage 13/08 (1) PE; Weymouth, Redlands 15/08 (1) PH.

73.087 *Spodoptera exigua* **Small Mottled Willow** Swanage 02/09 (2) PE.

73.091 *Elaphria venustula* **Rosy Marbled** Wareham Forest 25/06 (3) WS, 31/07 (1) DL.

73.093 *Caradrina kadenii* **Clancy's Rustic** 2020 saw 21 individuals of this immigrant moth compared with 41 in 2019.

73.097 *Hoplodrina blanda* **Rustic** Portesham 06/04 (1) JO; Walditch 07/07 (2) MP; Brackett's Coppice 16/07 MP & AF. Also 797 records of the aggregate *Hoplodrina octogenaria/blanda*.

73.100 *Chilodes maritima* **Silky Wainscot** Preston 26/05 (1) RL; Weymouth 02/06 (1) DF; Weymouth, Redlands 02/06 (1) PH, 25/06 (1) DD; Leigh 04/06 CF, Upton 25/06 (3) NH; Hamworthy 12/07 (1) AG & CT.

73.104 *Athetis hospes* **Porter's Rustic** Portesham 10/08 (1) JO; Tolpuddle 10/08 (1) JF.

73.105 *Dypterygia scabriuscula* **Bird's Wing** A better year for the species with 45 recorded compared with 27 in 2019.

73.106 *Trachea atriplicis* **Orache** Weymouth, Redlands 24/07 (1) PH. (Photo © PH Weymouth, Redlands 24.7.20)

73.107 *Mormo maura* **Old Lady** A better year for the species with 29 recorded compared with 17 in 2019.

73.119 *Helotropha leucostigma* **Crescent** Wareham Forest 25/06 (2) WS; Corfe Meadows 02/07 (1), 07/07 (3) AG & CT; Portland Bill 16/07 (1) MC; Carey 16/07 (1) AG & CT; Weymouth, Redlands 21/07 (1), 13/08 (1), 15/08 (1) PH; The Moors 21/07 (1), 28/07 (1) AG & CT; Weymouth 11/08 (1), 14/08 (1) DF; Preston 23/08 (1) RL.

73.126 *Amphipoea fucosa* **Saltern Ear** Weymouth 10/08 (2) LP; Lodmoor 13/08 (4) LP & SH.

73.136 *Nonagria typhae* **Bulrush Wainscot** singles at: Bridport 13/07 AF; Weymouth, Redlands 13/07, 16/07 both PH, 24/08 DD; Whitchurch Canonicorum 18/07 LP; Leigh 24/07 GN, 30/07 CF; Beaminster 07/08 MR; Tolpuddle 15/08, 07/09 JF; Chardstock 22/08 JG; Broadmayne 23/08 PBJ; Puddletown 26/08 HWH, Chedington 29/08 NSp, JO, TN.



73.137 *Arenostola phragmitidis* **Fen Wainscot** singles at: The Spittles 24/06 PB; Lyme Regis 25/06 PB; Wareham Forest 25/06 WS; Broadstone 25/06 AB (det. MJ); Weymouth 15/07, 21/07 LP; Bridport 18/07 AF; Broadmayne 18/07 RA; Wareham 23/07 RA, 29/08 BP; Upton 08/08 NH.

73.139 *Lenisa geminipuncta* **Twin-spotted Wainscot** singles at: Puncknowle 30/07, 10/08 MH; Walditch 07/08 MP; Tolpuddle 08/08, 10/08 JF; Stoborough 09/08 DL; Portesham 11/08 IH & KB; Lodmoor 13/08 LP & SH.

73.141 *Archanara dissoluta* **Brown-veined Wainscot** Weymouth, Redlands 31/07 (2) DD, 11/08 (2) PH, 13/08 (1) DD; Abbotsbury 06/08 (4) JO; Tolpuddle 08/08 (1) JF; Whitchurch Canonicorum 09/08 (1) LP & AMa; Lodmoor 13/08 (1) LP & SH.

73.145 *Photedes fluxa* **Mere Wainscot** The Spittles 24/06 (1), 08/07 (1) PB (det. PS); Leigh 23/07 (1) CF.

73.148 *Photedes morrisii* **Morris's Wainscot** Lyme Regis 27/05 (7), 15/07 (2) PB; The Spittles 24/06 (4), 08/07 (3) PB.

73.151 *Globia sparganii* **Webb's Wainscot** singles at: Portland Bill 24/07, 08/08, 02/09-04/09 MC; Merley 07/08 BS; Corfe Mullen 08/08 JFr; Upton 08/08 NH; Stoborough 09/08 DL; Weymouth 10/08 LP; Portesham 11/08 IH & KB; The Moors, Arne 11/08 AG & CT; Abbotsbury 15/08 SH.

73.155 *Apamea epomidion* **Clouded Brindle** 30 records from 16 locations.

73.157 *Apamea anceps* **Large Nutmeg** singles at: Thornford 19/05, 26/05 NHo; Lyme Regis 09/06 PB.

73.159 *Apamea unanimitis* **Small Clouded Brindle** Tolpuddle 7 individuals between 17/05 and 09/06 JF; East Stoke 17/05 (1) AS; Yetminster 27/05 (1) CB; Puddletown 01/06 (1) HWH; Broadstone 23/06 AB; Broadmayne 25/06 (1) PBJ; Leigh 04/08 (1) CF.

73.160 *Apamea scolopacina* **Slender Brindle** Portland Bill 02/07 (1), 03/07 (1) MC; Whitchurch Canonicorum 04/07 (1) LP & AMa; East Stoke 07/07 (1), 17/07 (1) AS; Walditch singles on 13/07, 23/07, 25/07 MP; Carey 23/07 (2) AG & CT; Studland Heath 23/07 (1) AMi; Bridport 27/07 (1) AF.

73.164 *Apamea sublustris* **Reddish Light Arches** Swanage 9 individuals between 08/06 and 10/07 PE; Buckland Newton 25/06 (1) FL.

73.168 *Lateroligia ophiogramma* **Double Lobed** Puddletown singles on 15/06 and 17/06 HWH; Purse Caundle 25/06 (1), 03/07 (1) JE; Weymouth, Redlands 15/07 (1) PH; Sutton Poyntz 14 individuals between 16/07 and 10/09 JAN, CMa & RO; Portland Bill 18/07 (1) MC; Tolpuddle 19/07 (1) JF; Higher Hyde Heath 24/07 (1) JHu.

73.169 *Mesapamea secalis* **Common Rustic** Portesham 02/08 (1) JO. Also 804 records of the aggregate *Mesapamea secalis* agg.

73.170 *Mesapamea didyma* **Lesser Common Rustic** Alners Gorse 05/08 (1) JO, NSp & JH.

73.171 *Litoligia literosa* **Rosy Minor** Better recorded this year, with 37 seen compared with only 4 in 2019.

73.173 *Oligia strigilis* **Marbled Minor** Portesham 21/05 (1) JO; Bridport 23/05 (1) AF (both confirmed by dissection). Also 608 records of the aggregate *Oligia strigilis* agg.

73.174 *Oligia latruncula* **Tawny Marbled Minor** Portesham 20/05 (1), 21/05 (2), 27/05 (1) JO; Bridport singles on 25/05 and 03/06 AF. Confirmed by dissection.

73.175 *Oligia versicolor* **Rufous Minor** singles at: Upton 21/05 NH; Bridport 23/05 AF; Sutton Poyntz 12/07 SCa & JCa; Holwell 13/07 AM.

73.178 *Leucochlaena oditis* **Beautiful Gothic** Portland 6 individuals between 30/08 and 18/10 JW; Swanage 18/10 (1) PE; Durlston Country Park 15/09 (1) KB.

73.179 *Tiliacea citrargo* **Orange Sallow** Puddletown 14 between 06/09 and 10/10 HWH; Weymouth, Redlands 21/09 (1) (DD); Broadmayne 28/09 (1) PBJ.

73.184 *Cirrhia ocellaris* **Pale-lemon Sallow** East Stoke 17/09 (1) AS.  
(Photo © AS East Stoke 17.9.20)

73.187 *Agrochola litura* **Brown-spot Pinion** Tolpuddle 10 between 14/09 and 09/11 JF; Puddletown 21 between 14/09 and 19/10 HWH; Winterborne Stickland 16/09 (1) WB; Sutton Poyntz (1) 18/09 JAN.

73.188 *Agrochola helvola* **Flounced Chestnut** Stonebarrow 18/10 (6) PB; Lyme Regis 20/10 (1), 7/11 (1), 22/10 (2) PB; Sutton Poyntz 01/09 (1) CMa & RO; Ballard Down (1) 19/10 AG & CT.

73.191 *Agrochola haematidea* **Southern Chestnut** Wareham singles on 08/10 and 25/10 BP.

73.192 *Agrochola circumcellaris* **Brick** Better recorded this year with 26 seen compared with 13 in 2019.



- 73.195 *Conistra ligula* **Dark Chestnut** 27 records of 38 individuals. (Compare with 109 records of 162 individuals for *Conistra vaccinii* **Chestnut**).
- 73.197 *Conistra rubiginea* **Dotted Chestnut** Better recorded this year, with 22 seen compared with 10 in 2019.
- 73.198 *Conistra erythrocephala* **Red-headed Chestnut** Portland Bill singles on 07/11, 19/11 MC; Puddletown 22/11 (1) HWH.
- 73.200 *Lithophane semibrunnea* **Tawny Pinion** singles at: Leigh 10/03 CF; Portesham 01/04 JO; Puddletown 01/04, 09/04, 23/04, 09/11 HWH; Puncknowle 11/04 MH (2); Weymouth, Redlands 15/04 (det. PS), 22/05, 31/05 DD; East Stoke 22/04 AS; Whitchurch Canonorum 24/04 LP & AMa; Abbotsbury 02/10 MP, 08/10 MP & AF; Wareham 22/10 BP; Burton Bradstock 23/10 MP.
- 73.209 *Xylena vetusta* **Red Sword-grass** singles at: Hooke Park 18/03 SH & LP; Portland Bill 18/03 MC; Leigh 21/03, 04/04; Yetminster 16/04 CB; Puddletown 05/10 HWH.
- 73.210 *Eupsilia transversa* **Satellite** 41 seen across the county, notably 25 between 31/01 and 28/11 at Puddletown HWH.
- 73.213 *Ipimorpha subtusa* **Olive** singles at: Bridport 04/08, 08/08 AF; Whitchurch Canonorum 14/08 LP & AMa.
- 73.215 *Cosmia affinis* **Lesser-spotted Pinion** Sole record at Abbotsbury 06/08 (1) JO.
- 73.217 *Cosmia pyralina* **Lunar-spotted Pinion** singles at: Leigh 17/06 CF, 04/07, 24/07 GN; Bridport 29/06 AF, 24/07 HW; Walditch 30/06 MP; Whitchurch Canonorum 05/07 LP; East Stoke 07/07 AS; Weymouth, Redlands 18/07 PH.
- 73.220 *Brachylomia viminalis* **Minor Shoulder-knot** The Spittles 38 between 07/06 and 08/07 PB; Lyme Regis singles on 25/06, 30/07 PB; Portland Bill 01/07 (1) MC; Leigh 05/07 (1) CF.
- 73.221 *Parastichtis suspecta* **Suspected** Sole record at The Moors 23/06 (1) AG & CT.
- 73.222 *Apterogenum ypsilon* **Dingy Shears** singles at: Bridport 21/06, 04/07 AF; Walditch 25/06 MP; Tolpiddle 31/07 JF.
- 73.223 *Dryobota labecula* **Oak Rustic** Better recorded this year with 41 seen compared with 11 in 2019.
- 73.227 *Dryobotodes tenebrosa* **Sombre Brocade** Abbotsbury 32 between 16/09 and 28/09 MP, AF, SC, SH, LP, JO; Portland Bill singles on 28/09 and 10/10 MC.
- 73.229 *Trigonophora flammea* **Flame Brocade** Better recorded with 79 seen in coastal locations from Lyme Regis to Swanage, compared with 42 in 2019.
- 73.231 *Aporophyla lutulenta* **Deep-brown Dart** Corfe Castle singles on 09/09 and 10/09 CL; Merley 12/09 (1) BS; Ridge 14/09 (1) RC; East Stoke 15/09 (2) RC, 16/09 (1), 21/09 (1) AS; Carey 21/09 (5), 09/10 (1) AG & CT; Wareham Forest 22/09 (1) DL; Wareham 26/09 (1) BP; Hamworthy 18/10 (1) AG & CT.
- 73.234 *Dasypolia templi* **Brindled Ochre** singles at: Langton Matravers 08/09 JK; Preston 06/10, 17/10, 23/10 RL; Weymouth 17/09 DF; Hamworthy 18/10 AG & CT; Dorchester 20/10 JD. (Only two recorded in 2019).
- 73.237 *Polymixis flavicincta* **Large Ranunculus** Thornford 16/09 (1) NHo; Holwell 17/09 (3), 21/09 (1), 29/09 (2) AM; Beaminster 19/09 (1) MR; Abbotsbury 20/09 (1) SH, LP & JO; Walditch 21/09 (1)

MP; Bridport 28/09 (1), 07/10 (1) AF; Lyme Regis 04/10 (1) PB; Puncknowle 07/10 (1) MH; Portland 08/10 (1 det MC), 18/10 (1) JW; Yetminster 11/10 (1) CB.

73.243 *Orthosia miniosa* **Blossom Underwing** Walditch 04/04 (1) MP; Portesham 10/04 (1) JO; Corfe Mullen 11/04 (2) JFr; Whitchurch Canonicorum 17/04 LP & AMa. (Photo © JO Portesham 10.4.20)

73.246 *Orthosia populeti* **Lead-coloured Drab** Holwell 18/03 (2) AM; Stoborough 21/04 (1) JWi.

73.248 *Orthosia opima* **Northern Drab** singles at: Puddletown 08/04, 13/04 HWH; Weymouth, Redlands 15/04 DD; Dorchester 20/04 JD; Portesham 23/04 ABe.

73.252 *Tholera cespitis* **Hedge Rustic** Better recorded with 31 seen compared with 11 in 2019.

73.254 *Cerapteryx graminis* **Antler Moth** The Moors 11/08 (4) AG & CT; Abbotsbury 31/08 SH; Hooke Park 03/09 SH.



73.255 *Anarta trifolii* **Nutmeg** A good year with 261 individuals recorded, including 125 at one site (Puddletown, HWH), many of the pale form suggesting immigrants.

73.257 *Anarta myrtilli* **Beautiful Yellow Underwing** Better recorded with 29 adults seen on eastern heathlands compared with 19 in 2019. Larval records from Hardown Hill (at least 6 between 03/06 and 09/08) MP and Winfrith Heath (4 on 22/07) AF.

73.264 *Lacanobia thalassina* **Pale-shouldered Brocade** singles at: Merley 19/05 BS; Broadmayne 21/05 PBJ; Stoborough 28/05 DL; Powerstock 30/05 LP; Carey 08/06 AG & CT; Puddletown 25/06 HWH.

73.265 *Lacanobia contigua* **Beautiful Brocade** Wareham 24/06 (1) BP; Wareham Forest 25/06 (1) WS, 26/06 (1), 16/07 (1) DL; Canford Heath 11/07 (1) NW, 12/07 (1) ML; Corfe Mullen 08/08 JFr. Single larval record at Holt 01/09 MP.

73.266 *Lacanobia suasa* **Dog's Tooth** East Stoke 24/06 (1) AS; Ridge 09/05 (1) RC; Stoborough singles 16/05 (1), 22/05 (1) DL; The Moors 6 between 23/06 and 11/08 AG & CT; Puddletown 14/07 (1) HWH; Weymouth, Redlands 02/09 (1) PH;

73.268 *Lacanobia splendens* **Splendid Brocade** Broadstone AB (det. MJ) 25/06.

73.271 *Ceramica pisi* **Broom Moth** Carey 05/06 (1) AG & CT; The Moors 12 between 09/06 and 23/06 AG & CT; Ridge 19/06 (1) RC; Wareham Forest 25/06 (1) WS; Sutton Poyntz 07/07 (1) CMA & RO; East Stoke 15/07 (1) AS; Portland Bill 25/07 (1) MC;

73.276 *Sideridis rivularis* **Campion** Holwell 05/06 (1) AM; Puddletown 4 between 23/06 and 12/07 HWH.

73.279 *Hecatera bicolorata* **Broad-barred White** Better recorded with 38 adults seen compared with 15 in 2019. Two larvae recorded at Merley 16/07 ZC (det. BH).

73.283 *Hadena confusa* **Marbled Coronet** Corfe Mullen 08/08 (1) JFr.

73.284 *Hadena albimacula* **White Spot** singles at: Portesham 16/05 ABe; Swanage 08/06 PE.

73.286 *Hadena perplexa* **Tawny Shears** Better recorded this year with 21 seen in the south and west of the county compared with 8 in 2019.



- 73.289 *Mythimna pudorina* **Striped Wainscot** Better recorded this year with 90 seen compared with 32 in 2019.
- 73.290 *Mythimna conigera* **Brown-line Bright-eye** Better recorded this year with 27 seen compared with 17 in 2019.
- 73.295 *Mythimna vitellina* **Delicate** 161 records (498 individual moths) across the county (including 397 recorded from Portland Bill).
- 73.296 *Mythimna unipuncta* **White-speck** 42 records (60 individual moths).
- 73.297 *Mythimna albipuncta* **White-point** 420 records (1033 individual moths).
- 73.302 *Leucania obsoleta* **Obscure Wainscot** Weymouth, Redlands 23/05 (1) DD, 10 between 27/05 and 25/06 PH; Upton 01/06 (1) NH; The Spittles 07/06 (2) PB.
- 73.304 *Leucania loreyi* **Cosmopolitan** Portland Bill 9 between 08/08 and 24/10 MC, ML; Whitchurch Canonicorum 16/08 (1) LP & AMa; Tolpuddle 16/08 (1) JF; Portesham 22/10 (1) JO; Bridport 07/11 (1) AF.
- 73.305 *Senta flammea* **Flame Wainscot** Brownsea Island 20/05 (2) NT; Upton 21/05 (3) NH.
- 73.307 *Peridroma saucia* **Pearly Underwing** 53 records (62 individual moths) in mainly coastal locations.
- 73.313 *Euxoa tritici* **White-line Dart** The Moors 30/06 (1), 11/08 (4) AG & CT; Corfe Meadows 07/07 AG & CT; Studland Heath 23/07 (1) AMi; Hamworthy 06/08 (1), 04/09 (1) AG & CT; Wareham 06/08 (1) BP; East Stoke 08/08 (1) AS; Upton 09/08 (2) S-JB; Carey 10/08 (1) AG & CT; Wareham Forest 12/08 (1) DL; Broadstone 14/08 (1) NW; Ballard Down 15/09 (1) AG & CT.
- 73.314 *Euxoa nigricans* **Garden Dart** Merley 13/09 (1) MBu.
- 73.316 *Agrotis cinerea* **Light Feathered Rustic** singles at: Durlston Country Park 28/04 KB; Swanage 18/05, 27/05 PE; Puncknowle 21/05 MH.
- 73.319 *Agrotis segetum* **Turnip Moth** 136 records (185 individual moths) across the county.
- 73.222 *Agrotis vestigialis* **Archer's Dart** The Moors 11/08 (1) AG & CT.
- 73.324 *Agrotis trux* **Crescent Dart** Better recorded this year with 39 seen this year compared with 10 in 2019.
- 73.327 *Agrotis ipsilon* **Dark Sword-grass** 223 records (514 individual moths) across the county.
- 73.330 *Ochropleura leucogaster* **Radford's Flame Shoulder** 63 records (163 individual moths) across the county.
- 73.332 *Diarsia brunnea* **Purple Clay** 20 records (36 individual moths), including Puddletown 11 between 09/06 and 15/07 HWH.
- 73.337 *Cerastis leucographa* **White-marked** Hooke Park 18/03 (1) SH & LP.
- 73.347 *Noctua janthina* **Langmaid's Yellow Underwing** Portland Bill 22/06 (1) MC; Preston 11/07 (1) RL; Stoborough 26/07 (2) DL.
- 73.353 *Xestia baja* **Dotted Clay** Winfrith Heath 01/08 (1) MHo.

73.355 *Xestia castanea* **Neglected Rustic** 18 records (82 individual moths) including counts of 42 at Wareham Forest between 09/09 and 29/09 (DL) and 24 at Tonerspuddle Heath on 03/09 (SH & LP).

73.356 *Xestia agathina* **Heath Rustic** Better recorded this year with 51 records (131 individual moths) generally in the east of the county but with outliers at Whitchurch Canonicorum 19/09 (1) LP & AMa, Abbotsbury 20/09 (2) SH, LP & JO, Long Bredy 15/09 (1) SH and Portland Bill 19/09 (1) MC.

73.365 *Eugnorisma glareosa* **Autumnal Rustic** Better recorded than last year with 72 seen compared with 11 in 2019.

73.368 *Naenia typica* **Gothic** singles at: Winterborne Stickland 22/07 WB and South Poorton 09/08 HC.

## **NOLIDAE**

74.003 *Nola cucullatella* **Short-cloaked Moth** Better recorded than last year with 35 seen compared with 22 in 2019.

74.004 *Nola confusalis* **Least Black Arches** Better recorded than last year with 73 seen compared with 21 in 2019.

74.007 *Bena bicolorana* **Scarce Silver-lines** Broadstone 16/06 (1) NW, 25/06 (1) AB; Upton 17/06 (1), 25/06 (4) NH; Puddletown 19/06 (1) HWH; Leigh 19/06 (1) CF, 25/06 (1) GN; Weymouth, Redlands 19/06 (1), 14/07 (1) PH; Bridport 24/06 (1) AF; Sutton Poyntz 24/06 (1), 25/06 (1) JAN; Yetminster 25/06 (1) CB; Thornford 25/06 (1) NHo; Bracketts Coppice 16/07 (1) MP & AF.

74.008 *Pseudoips prasinana* **Green Silver-lines** 21 records (26 individual moths) across the county.

74.009 *Nycteola revayana* **Oak Nycteoline** Better recorded this year with 31 seen compared with 17 in 2019.

74.011 *Earias clorana* **Cream-bordered Green Pea** Better recorded this year with 120 seen compared with 24 in 2019.

# MICRO-MOTHS 2020

Phil Sterling & Luke Phillips

- 4.046 *Stigmella auromarginella* (pRDB2) Portland, Tout Quarry 22/10 NV; Portland, Church Ope 22/10 NV; Portland, Verne 22/10 NV. All vacated mines.
- 4.076 *Etania decentella* (Nb) Weymouth 02/06 (3) PS; Dorchester 02/06 (1) JD; Poole 24/06 (1) ML; Wareham Forest 25/06 (6) WS; Walditch 25/06 (1) MP; Poole 31/07 (1) ML; Merley 10/08 (1) ZC; Tolpuddle 13/08 (1) JF; Whitchurch Canonicorum 14/08 (2) LP & AMa.
- 4.085 *Ectoedemia argyropeza* (Local) Slepe Heath 22/11 leaf mine AG & CT.
- 4.088 *Ectoedemia heringella* (Nb) 11 records of leaf mines on Holm Oak from 7 locations across the county.
- 4.092 *Ectoedemia erythrogenella* (Nb) Portland 22/10 vacated mines at three locations NV; Cogden 02/11 MP; Eype 04/11 MP; West Bay 13/11 MP; Hamworthy 17/11 AG & CT; Abbotsbury 10/12 MP. All leaf mines on Bramble.
- 5.004 *Pseudopostega crepusculella* (Nb) Poole 20/06 (1) PF.
- 11.017 *Pachythelia villosella* (pRDB2) Bovington 02/06 larval case HB.
- 12.002 *Tenaga nigripunctella* (Ext) *No longer extinct; there are recent records from Dorset VC9 and one more in 2020*: Abbotsbury Swannery 26/06 (1) JS, conf. PS.
- 12.003 *Eudarcia richardsoni* (pRDB1) Portland, larval cases at five locations 22/03 MP; Cheyne, Portland 22/10 NV.
- 12.010 *Morophaga choragella* (Local) Wareham Forest 25/06 WS; Abbotsbury 17/07 SH & LP; Tolpuddle 19/07(1) JF; Puddletown 23/07 (1) HWH.
- 12.017 *Nemapogon koenigi* (Nb) Portesham 21/05 (1) JO.
- 12.019 *Nemapogon ruricolella* (Nb) Puddletown 21/05, 19/07 HWH; Abbotsbury 14/07 SH & LP.
- 12.028 *Tinea dubiella* (Na) Abbotsbury 14/07 SH & LP, conf. PS.
- 12.034 *Niditinea fuscella* (Local) Weymouth, Redlands 13/06 (1) DD, conf. PS.
- 12.044 *Haplotinea insectella* (Nb) Puddletown 11/07 (1) HWH, conf. PS.
- 14.001 *Bucculatrix cristatella* (Nb) Tolpuddle 15/07 (1) JF, gen. det. PS. **First Dorset VC9 record since c.1890.**
- 14.003 *Bucculatrix maritima* (Nb) Langton Herring 16/05, 27/09 leaf mine JO; Winspit 26/07 leaf mine on sea aster AMi.
- 15.002 *Caloptilia cuculipennella* (Na) Bovington 25/06 HB.
- 15.003 *Caloptilia populetorum* (Local) Wareham Forest 25/06 (1) WS; Arne 26/09 leaf mine on Silver Birch JO.
- 15.011 *Caloptilia falconipennella* (Nb) Brownsea Island 04/04 (1) NT; Studland Heath 27/07 leaf mine AMi.
- 15.026 *Parornix fagivora* (Local) Tolpuddle 29/07 (1) JF, gen.det. PS.
- 15.045 *Phyllonorycter mespilella* (Nb) Poole 31/07 (1) ML, gen. det. GSm.

15.071 *Phyllonorycter nigrescentella* (pRBD3) Beaminster 25/09 c.30 leaf mines MP.

15.090 *Phyllocnistis saligna* (Local) Tolpuddle 30/07 (2), 31/07 (1), 11/08 (1) JF; Langton Herring 27/09 leaf mine on *Salix sp* JO.

15.093 *Phyllocnistis xenia* (Nb) Portesham 04/09, 24/1 leaf mine on White Poplar JO; Portland, Church Ope 22/10 leaf mine NV. (Photo © JO Portesham)

15.0931 *Phyllocnistis citrella* (Adv) Weymouth 05/03 leaf mines within a pack of clementines in supermarket MP.



16.005 *Yponomeuta rorrella* (Local) Walditch 25/06 (1), 25/07 (1) MP; Weymouth 21/07 (1) PH; Weymouth 10/08 (1) LP; East Stoke 21/07 (1) RC; Canford Heath 11/07 (1) ML.

17.006 *Ypsolopha horridella* (Nb) Leigh 11/08 CF; Alners Gorse 05/08 (10) JO NSp & JH. (Photo © JO Alners Gorse 5.8.20)

19.001 *Orthotelia sparganella* (Local) Leigh 25/06 CF; Tolpuddle 23/07 (1), 25/07 (1) JF; Arne Moors 11/08 (1) AG & CT.

19.008 *Glyphipterix schoenicolella* (Na) Winfrith Heath 16/08 (c.5) MP; Arne Moors 11/08 (1) AG & CT; Poole 25/06 ML.



20.024 *Argyresthia semitestacella* (Local) Shillingstone 09/10 (1) LP.

21.002 *Lyonetia prunifoliella* (pRDB1) Occasionally locally abundant in Dorset though not in 2020. Walditch 20/07 (1) MP; RSPB Radipole Lake 21/09 (1) JO, LP & SH.

26.001 *Tinagma ocnerosomella* (Nb) Portland 15/06 (1) JW.

28.008 *Metalampra italica* (Mig) Now a likely resident in Dorset. Stapenhill 04/08 (1) MPe; Lyme Regis 14/08 (1) PB; Hardown Hill 13/06, 09/08 MP & AF; Tolpuddle 22/08 (1) JF; Stoborough 14/06, 21/06 DL; Hamworthy 12/08 (1) AG & CT.

28.013 *Crassa tinctella* (Nb) Stubbampton Bottom 01/06 (1) MP; Upton 25/06 (1) NH.

28.020 *Dasycera oliviella* (Na) Merley 10/08 (1) ZC.

30.002 *Agnoea subochreella* (Nb) Tolpuddle 15/06 (2) JF.

32.010 *Agonopterix conterminella* (Local) The Spittles 24/06 (1) PB.

32.012 *Agonopterix atomella* (Na) All larval records on Dyer's Greenweed. Cogden 15/05, 19/05 25 larvae seen over two dates MP; Alners Gorse 27/05 5 larvae MP; Rooksmoor 27/05 4 larvae MP.

32.023 *Agonopterix rotundella* (Na) Tolpuddle 02/04 (1) JF, conf. PS; Broadmayne 09/04 (1) PBJ.

32.028 *Agonopterix pallorella* (Nb) Portland 09/05 (2), 11/08 (2) JW.

32.029 *Agonopterix umbellana* (Local) Black Down 21/04 (1) JO.

32.045 *Depressaria albipunctella* (Na) Existing records on DMG website almost certainly refer to *D. aegopodiella*. Lyme Regis 24/06 (1) PB. **New to Dorset VC9.**

32.050 *Telechrysis tripuncta* (Nb) Whitchurch Canonicorum 14/06 (1) dusking LP & AMa.

33.002 *Ethmia quadrillella* (Nb) Broadstone 22/08 (1) NW.

34.008 *Cosmopterix scribaiella* (Na) Upton 07/06, 25/06 (4) NH; Wareham Forest 25/06 (2) WS; Arne 26/09 leaf mine on Common Reed JO.

34.009 *Cosmopterix pulchrimella* (Na) All leaf mine records on Pellitory-of-the-wall. Abbotsbury 06/08 (1), 06/10 leaf mine JO; Weymouth 15/09 (1), 07/11 (1) DF; Portland, Church Ope 22/10 30 vacated mines NV; Portesham 03/09 (1), 28/09 (3), 13/10 (1), leaf mines recorded 10/10, 28/10 JO.

34.010 *Cosmopterix lienigiella* (Nb) Weymouth 25/06 (1) DF.

34.014 *Sorhagenia janiszewskae* (Na) Alners Gorse 05/08 (2) JO, NSp & JH, 1 male gen. det. JO. (Photo © JO Alners Gorse 5.8.20)

35.0191 *Anarsia innoxiiella* Whitchurch Canonicorum (1) 24/06 LP & AMa. **Second record for Dorset VC9.** (Photo © LP)

35.022 *Dichomeris marginella* (Local) Ferndown 09/06 MO; Wareham Forest 25/06 (2) WS; Wareham 08/06 (1), 02/07 (1) RA; Broadstone 08/08 (1) NW; Poole 16/06 (1), 21/06 (1) RA; Merley 01/06, 16/07 ZC, 07/08 (1) BS.

35.032 *Pexicopia malvella* (Nb) Langton Herring 27/09 larval signs on Marsh Mallow JO.

35.033 *Platyedra subcinerea* (Nb) Weymouth 09/05 (5), 16/05, 08/06 DF; Weymouth, Redlands 09/05 (1) PH; Poole 30/05 (1) ML.

35.035 *Chrysoesthia drurella* (Local) Kingston Lacy 16/08 mine JS.

35.036 *Chrysoesthia sexguttella* (Local) Kingston Lacy 16/08 mine JS.

35.045 *Bryotropha basaltinella* (Na) Tolpuddle 07/08 (1) JF.

35.052 *Aristotelia brizella* (Nb) West Bexington 24/05 (2) JO; Abbotsbury 17/07 SH & LP

35.064 *Argolamprotes micella* (Nb) Bridport 25/05 (1) AF; Ryewater 15/06 (1) WF; Leigh 17/06 CF; Lyme Regis 19/06, 13/07, 24/07 PB; Whitchurch Canonicorum 24/06 (3), 25/06 LP & AMa; Walditch 24/06 (2) MP; Bovington 25/06 BH; Puddletown 07/07, 13/07 (1) HWH.

35.066 *Monochroa tenebrella* (Local) Hardown Hill 21/05 (1) MP.

35.070 *Monochroa lutulentella* (Nb) Corfe Meadows 02/07 (1) AG & CT, conf. PS.

35.071 *Monochroa lucidella* (Local) Weymouth, Redlands 24/06 (1) PH, conf. PS.

35.074 *Monochroa moyses* (Na) Arne 26/09 leaf-mine on Sea Club-rush JO. (Photo © JO, Arne 26.9.20)

35.080 *Oxypteryx unicolorella* (Nb) Weymouth 09/05 (1), 14/06 (1) IM.

35.092 *Mirificarma lentiginosella* (Na) All records refer to larvae/larval spinings seen on Dyer's Greenweed. Alners Gorse 27/05 (2) MP; Rooksmoor 27/05(1) MP; Cogden 10/05 (6) JO, 15/05 (2), 19/05 (15) MP; Tidmoor Point 08/05 (2) PS, 16/05 (3) JO, 15/06 (3) MP.

35.097 *Gelechia rhombella* (Nb) Merley 11/08 (1) BS.

35.107 *Psoricoptera gibbosella* (Local) Alners Gorse 05/08 (4) JO, NSp, JH.

35.112 *Scrobipalpa suaedella* (Na) Portesham 10/08 (1) JO; Weymouth 11/08 (4) JO.

35.118 *Scrobipalpa ocellatella* (Nb) Bridport 03/06 (1) HW; Puddletown 19/09 (1), 20/09 (2) HWH, all gen. det. PS.



35.125 *Scrobipalpula tussilaginis* (pRDB2) All records refer to larvae/leaf mines in Colt's-foot. The Spittles 26/09 c.30 mines MP; Burton Bradstock 28/09 c.10 mines, 1 larva MP; Golden Cap 05/10 c. 20 mines MP; Seatown 05/10 c.4 mines, 1 larva MP; Eype 27/09 c.5 mines MP; West Bay 27/09 c.10 mines MP; Osmington 12/10 c.10 mines, 2 larvae MP.

35.127 *Tuta absoluta* (Adv) Walditch 20/10 (1), 08/11 (1) MP; Portland Bill 14/09 (1) MC; Puddletown 23/11 (1) HWH, conf. PS.

35.129 *Caryocolum viscariella* (Nb) Puddletown 18/07 (1), 29/07 (1) HWH.

35.132 *Caryocolum fraternella* (Local) Carey 23/07 (1) AG & CT, conf. PS.

36.002 *Batrachedra pinicolella* (Nb) Walditch 24/06 (1), 25/06 (1) MP; Wareham Forest 25/06 (1) WS.

37.002 *Coleophora lutarea* (Nb) All records refer to adults seen in flowers of Greater Stitchwort. Leigh 06/05 CF; Whitchurch Canonicorum 26/04 (1), 02/05 (2), 06/05 (7), 24/05 (2) LP & AMa; Hardown Hill 21/05 (1) MP; Chideock 07/05 (4) MP; Bridport 08/05 (1) AF; Athelhampton 14/05 (1) JF; Tolpuddle 08/05 (6) JF; Corfe Mullen 09/05 (1) JS. (Photo © JF Tolpuddle 8.6.20)



37.003 *Coleophora limoniella* (Nb) Arne 26/09 2 cases on flowers of Sea-lavender JO. (Photo © JO Arne 26.9.20)

37.027 *Coleophora potentillae* (Local) Maiden Newton 19/09 2 larval cases on *Filipendula* MP.

37.036 *Coleophora conyzae* (Nb) Walditch 25/06 (2) MP, gen. det.

37.040 *Coleophora lithargyrinella* (Nb) Chideock 07/05 2 larval cases on Greater Stitchwort MP; Eype 02/05 3 larval cases on Greater Stitchwort MP.



37.041 *Coleophora genistae* (Na) Alners Gorse 27/05 c.6 larval cases on Petty Whin MP.

37.078 *Coleophora maritimella* (Nb) Langton Herring 27/09 2 larval cases on Sea Rush JO; Arne 26/09 2 larval cases on Sea Rush JO. (Photo © JO Arne 26.9.20)

37.082 *Coleophora asteris* (Na) Langton Herring 27/09 2 larval cases on Sea Aster JO.

37.108 *Coleophora salicorniae* (Nb) Walditch 31/07 (1) MP; Portland Bill 07/08 (1) MC; Weymouth 14/08 (1) DF; Langton Herring 27/09 3 larval feeding signs / cases on Glasswort JO.



38.007 *Elachista subocellea* (Nb) Portesham 27/05 (1) JO.

38.045 *Elachista utonella* (Nb) Leigh 25/06 (1) GN, conf. PS.

38.048 *Elachista consortella* (Nb) Whitchurch Canonicorum 15/04 (1) LP & AMa, conf. PS.

38.049 *Elachista stabilella* (Nb) Tidmoor Point 08/05 (1), 01/06 (2) PS; Southwell 08/02 2 tenanted and 3 vacated mines on Tall Fescue PS; Portesham 15/10 (1) JO, gen. det.

40.005 *Mompha divisella* (Na) Whitchurch Canonicorum 07/05 (1) LP & AMa, gen. det. PS.

- 40.007 *Mompha bradleyi* (Nb) Lodmoor 09/05 (1) SH, gen. det. PS.
- 42.002 *Stathmopoda pedella* (Nb) Bothenhampton 02/07 (2), 05/07 (1) MP.
- 43.004 *Scythris picaepennis* (Nb) Cogden 15/05 1 larva on *Lotus corniculatus*, adult emerged 15/6 MP.
- 43.005 *Scythris subcinctella* (Nb) Lankham Bottom 17/06 (common) MP.
- 45.025 *Oxyptilus parvidactyla* (Nb) Puddletown 27/06 (1) HWH, gen. det. PS.
- 45.028 *Capperia britanniodyctylus* (Nb) Beaminster 19/06 (1) MR & DR; Hardown Hill 21/05 2 larvae on Wood Sage MP; Black Down 19/05 1 larva on Wood Sage JO; Wareham Forest 25/06 (1) WS.
- 45.029 *Buckleria paludum* (Na) Winfrith Heath 16/08 (c.5) MP.
- 45.034 *Merrifieldia baliodyctylus* (Nb) Portesham 19/04 larval feeding signs on Marjoram, 08/05 1 larva and larval feeding signs on Marjoram, 27/05 (8), 28/05 (2), 29/05 (3) JO.
- 45.039 *Hellinsia carphodactyla* (Local) The Spittles 23/07 (3) PB, conf. PS.
- 47.004 *Epermenia aequidentellus* (Na) Whitchurch Canonorum 02/06 (1) LP; Weymouth 25/06 (1) DF.
- 49.003 *Sparganothis pilleriana* (Na) Winfrith Heath 16/08 (c.5) MP; East Holme 05/07 (10) DL; Stoborough Heath 15/07 (1) JWh & RM.
- 49.041 *Adoxophyes orana* (Nb) Weymouth 01/08 (1) PS; Dorchester 08/06 (1) JD.
- 49.042 *Neosphaleroptera nubilana* (Local) Tidmoor Point 15/06 (1+) MP.
- 49.053 *Cnephasia pumicana* (Local) Puddletown 05/07 (1) HWH, gen. det. PS **New to Dorset VC9.**
- 49.058 *Spatalistis bifasciana* (Local) Puddletown 25/06 (1), 05/07 (1), 14/07 (1), 16/07 (1), 17/07 (1) HWH.
- 49.065 *Acleris comariana* (Local) Lyme Regis 25/06 (2) PB.
- 49.075 *Acleris umbrana* (Na) Yetminster 21/07 (1) CB; Lyme Regis 07/11 (1) PB; Whitchurch Canonorum 23/02 (1), 18/03 (1) LP & AMa; Bridport 11/04 (1), 22/11 (1), 23/11 (1), 24/11 (1); Walditch 13/02 (1), 20/11 (1), 24/11 (1) MP; Abbotsbury 23/11 (1) SH, 14/09 (1) SH & LP; Portland Bill 15/07 (1), 22/07 (1) MC; Weymouth, Redlands 15/01 (1), 23/01 (1), 02/02 (1), 23/06 (1), 07/11 (1), 09/11 (2), 13/11 (1); 21/11 (1), 21/12 (1) PH; Puddletown 25/01 (1), 05/08 (1), 06/11 (1) HWH; Hamworthy 12/07 (1) AG & CT.
- 49.079 *Acleris shepherdana* (Nb) Puddletown 18/07 (1) HWH, conf. PS.
- 49.086 *Acleris logiana* (Local) Puddletown 07/11 (1) HWH.
- 49.096 *Hysterothra maculosana* (Local) Leigh 29/04 CF; The Spittles 19/05 (1) PB; Black Down 08/05 (1) JO.
- 49.103 *Phalonidia affinitana* (Local) Abbotsbury 06/08 (2) JO; Hamworthy 28/06 (1) AG & CT.
- 49.104 *Gynnidomorpha luridana* (Na) Portland 11/08 (3) JW.
- 49.105 *Gynnidomorpha vectisana* (Local) Langton Herring 16/05 (1) JO.
- 49.114 *Aethes hartmanniana* (Nb) Powerstock Common 24/05 (1) MP.

- 49.1231 *Aethes deaurana* (Unk) Weymouth, Redlands 22.5 (1) DD, conf. PS.
- 49.132 *Cochylidia implicitana* (Local) Lodmoor 13/08 (5) LP & SH.
- 49.146 *Apotomis semifasciana* (Nb) The Spittles 07/06 (1), 16/06 (2) PB.
- 49.164 *Celypha cespitana* (Local) Weymouth 13/08 (1) DF.
- 49.169 *Celypha aurofasciana* (Na) Whitchurch Canonicorum 25/06 (2) LP & AMa; Sandford Heath 22/06 (1) ML.
- 49.187 *Endothenia oblongana* (Local) Leigh 25/06 (1) GN, conf. PS; Portland 15/06 (1) JW, conf. MC.
- 49.190 *Endothenia ustulana* (Nb) Walditch 25/06 (1) MP.
- 49.197 *Bactra robustana* (Nb) The Moors 11/08 (1) AG & CT.
- 49.205 *Ancylis comptana* (Local) Lankham Bottom 17/06 MP; Weymouth 07/08 (1), 14/08 (4) DF, 08/08 (2) PS; Weymouth, Redlands 14/08 (1) PH; Puddletown 12/09 (1) HWH; Bovington 07/08 HB.
- 49.208 *Ancylis subarcuana* (Na) Winfrith Heath 06/06 8 larval spinings in Creeping Willow, adults emerged from 24.6 DF, 16/07 3 or 4 flying around Creeping Willow MP.
- 49.210 *Ancylis unculana* (Nb) Puddletown 04/08 (1), 05/08 (1) HWH.
- 49.220 *Rhopobota myrtilana* (Nb) Black Down, many between 22/04 and 26/5 JO, 10/06 MP.
- 49.237 *Epinotia signatana* (Local) Whitchurch Canonicorum 24/06 (1), 04/07 (1) LP & AMa.
- 49.242 *Epinotia nanana* (Nb) Poole 24/06 (1) ML.
- 49.243 *Epinotia demarniana* (Local) Subhampton Bottom 01/06 (1) MP; Weymouth, Redlands 19/05 (1) PH, conf. PS.
- 49.264 *Eucosma obumbratana* (Local) Dorchester 22/07 (1) JD; Hamworthy 12/07 (1) AG & CT.
- 49.268 *Eucosma parvulana* (Unk) Freshwater, Portland 14/07 (1) PP, gen. det. GS; Whitchurch Canonicorum 27/06 (1) LP, gen. det. PS.
- 49.275 *Eucosma conterminana* (Local) Portland Bill 23/06 (3), 24/06 (2) MC; Weymouth, Redlands 25/06 (1) PH.
- 49.277 *Eucosma pupillana* (Nb) Walditch 08/10 (1) MP; Portland 11/08 (1) JW, conf. MC.
- 49.278 *Gypsonoma minutana* (Nb) Poole 13/06 (1) ML.
- 49.280 *Gypsonoma oppressana* (Nb) Weymouth 08/06 (1) DF; Puddletown 14/07 (1) HWH, conf. PS.
- 49.303 *Clavigesta sylvestrana* (Na) Poole 12/08 (1) ML.
- 49.327 *Cydia microgrammana* (Nb) Ware 29/05 (2) JO; Ballard Down 21/06 (6) DL.
- 49.332 *Cydia coniferana* (Nb) Wareham Forest 25/06 (1) WS.
- 49.334 *Cydia cosmophorana* (Nb) Puddletown 30/07 (1) HWH, conf. PS; The Moors 11/08 (1) AG & CT, conf. PS.
- 49.336 *Cydia pactolana* (pRDB1) Thornford 26/05 (1) NHo, conf. PS **New to Dorset VC9.**



49.343 *Cydia amplana* (Mig) Recorded in singletons and occasionally low numbers from 23/07 to 15/09, on 26 occasions, and at locations spread across the county. (Photo © JO Alners Gorse 5.8.20)



49.350 *Grapholita caecana* (pRDB3) Ferndown 26/05 MO.

49.356 *Grapholita lobarzewskii* (Na) Whitchurch Canonicorum 02/06 (1), 25/06 (2) LP & AMa; Weymouth 23/06 (2) DF, 23/06 (2), 25/06 (3) PS; Weymouth, Redlands 17/06 (1) PH; Broadmayne 02/06 (1), 13/06 (1), 15/06 (3), 23/06 (1), 24/06 (1), 25/06 (3), 16/07 (1); Puddletown 07/08 (1) HWH, conf. PS, Poole 17/07 (1) ML.

49.362 *Pammene giganteana* (Nb) Leigh 16/04, 24/04 (2) CF.

49.365 *Pammene albuginana* (Local) Lyme Regis 19/06 (1) PB; Broadstone 24/06 (1) NW.

49.368 *Pammene herrichiana* (Na) Weymouth 30/05 (1) PS.

49.372 *Pammene populana* (Nb) Leigh 30/07 CF.

62.010 *Elegia similella* (Nb) Weymouth 24/06 (1) DF; Weymouth, Redlands 25/06 (1) PH.

62.012 *Matilella fusca* (Local) Hardown Hill 21/05, 30/5 MP, 13/06 MP & AF; Weymouth, Redlands 15/06 (1) PH; Sutton Poyntz 05/08 (1) CMA & RO, Winfrith Heath 01/08 (1) MHo; Upton 09/08 (1) S-JB, conf. JO.

62.021 *Oncocera semirubella* (Nb) Inland and urban records only, this species is regularly recorded close to the open coast. Winterborne Stickland 23/07 (1) WB; Dorchester 23/08 (1) JD; Broadmayne 05/08 (1) PBJ; East Stoke 11/08 (1) AS; Wareham Forest 25/06 (1) WS; Stoborough 09/08 (2) DL; Stonehill Down 07/08 (4) ML; Hamworthy, regularly between 31/07 and 15/8 AG & CT; Upton Country Park 12/08 (1) NW; Poole 31/07 (1), 06/08 (3) ML.

62.026 *Dioryctria schuetzeella* (Nb) Puddletown 19/06 (1) HWH, gen. det. PS.

62.033 *Acrobasis tumidana* (Mig) Portland Bill 24/06 (1), 08/08 (1), 09/08 (2), 10/08 (2), 11/08 (1) MC; Weymouth, Redlands 06/08 (1) DD, 10/08 (1) PH; Dorchester 31/07 (1) JD; Poole 31/07 (1) ML. (Photo © PH Weymouth, Redlands 6.8.20)



62.039 *Apomyelois bistratella* (Nb) Weymouth, Redlands 09/08 (1) PH.

62.047 *Assara terebrella* (Na) Wareham Forest 25/06 WS.

62.050 *Euzophera cinerosella* (Nb) Weymouth, Redlands 26/05 (1) PH.

62.053 *Cabotia oblitella* (Nb) Yetminster 09/08 (1) CB; Portland Bill 08/08 (1), 11/08 (1), 14/09 (1), 15/09 (1) MC; Redlands 31/07 (1) PH.

62.057 *Phycitodes maritima* (Local) Weymouth 22/06 (1) IM; Portesham 03/09 (1) JO; Carey 25/06 (1) AG & CT, gen. det. PS; Upton 01/06 (2) NH; Hamworthy 21/06 (1) AG & CT, gen. det. PS.

62.074 *Aglossa pinguinalis* (Local) Bridport 11/06 (1), 09/08 (1) AF; Abbotsbury 14/07 SH; South Poorton 17/07 (1) HC; Weymouth, Redlands 29/06 (1) DD; Preston 18/06 (1), 23/06 (1) RL; Upton 05/07 (1) S-JB; Brownsea Island 08/05 (1) NT; Poole 25/06 (1) ML.

63.003 *Pyrausta cingulata* (Nb) Portland 06/08 (1), 11/08 (1) JW.

63.014 *Sitochroa palealis* (Local) Portland 06/08 (1) JW; Puddletown 31/07 (1) HWH.

63.019 *Anania stachydalis* (Nb) Whitchurch Canonicorum 24/06 (3) LP & AMa.

63.020 *Anania perlucidalis* (Common) Portland Bill 02/06 (1) MC; Weymouth 25/06 (1) DF; Stoborough 08/06 (1) JW; Upton 25/06 (1) NH.

63.023 *Anania verbascalis* (Nb) Weymouth, Redlands 15/08 (1) PH; Puddletown 11/08 (1) HWH; Tolpuddle 17/06 (1) JF; East Stoke 25/06 (1) AS; Carey 15/06 (1) AG & CT; Wareham Forest 25/06 (1) WS; Wareham 10/06 (1) BP.

63.027 *Psammotis pulveralis* (Mig) Lyme Regis 31/07 (1) PB, conf. PS.

63.032 *Udea fulvalis* (Mig) A species resident in the eastern conurbation for many decades, and probably now resident in the Wareham area. Wimborne 15/07 (1), 17/07 (2) MW; Stoborough 26/07 (1) DL; Wareham 25/06 (1) RA, 19/07 (1) BP; Ridge 11/07 (1) RC; Corfe Castle 18/07 (1), 11/08 (1) RCa; Upton 19/07 (1) S-JB; Hamworthy, regularly between 12/07 and 09/08, and 20/09 (1) AG & CT; Broadstone 17/08 (1) NW; Poole 09/07 (2), 16/07 (1), 09/08 (1) PF; Merley 16/07 (1), 22/07 (1), 09/08 (1) BS; Poole 17/07 (1) ML.

63.039 *Mecyna flavalis* (pRDB3) Portland Bill 10/08 (1) MC.

63.050 *Dolicharthria punctalis* (Nb) Portland 08/06 (1), 15/06 JW.

63.051 *Antigastra catalaunalis* (Mig) Bridport 20/10 (1) AF; Puddletown 14/08 (1) HWH.

63.054 *Cydalima perspectalis* (Adv) Now common in the eastern conurbation. Records from elsewhere listed. Winterborne Stickland 26/06 (1) WB; Bridport 29/06 (1), 16/09 (1) AF; Walditch 21/09 (1) MP; Portland Bill 19/09 (1), 20/09 (2), 21/09 (2) MC; Weymouth 15/09 (1) DF; Weymouth, Redlands 18/09 (1) DD, 20/09 (1) PH; Carey 21/09 (1), 21/09 (2) AG & CT; Stoborough 19/09 (1) DL; Wareham 10/09 (1) RA, 22/09 (1) BP; Ridge 19/06 (1), 28/09 (1) RC; Corfe Castle 18/09 (1) RCa.

63.056 *Cynaeda dentalis* (Na) Portland 15/06 (1) JW; Tout Quarries 14/07 (1) RR.

63.058 *Evergestis extimalis* (Local) Bridport 31/07 (1) AF; Portland Bill 20/09 (1) MC; East Stoke 11/07 (1) AS; Hamworthy 09/08 (1) AG & CT; Langton Matravers 26/08 JK; Poole 31/07 (3) ML.

63.059 *Evergestis limbata* (Nb) Weymouth 25/06 (1) PS; Puddletown 22/06 (1), 25/06 (1), 13/07 (1), 16/07 (1) HWH; Tolpuddle 14/07 (1) JF; Bovington 25/06 HB; Wareham Forest 25/06 (1) WS; East Holme 05/07 (1) DL; Stoborough 03/06 (1), 08/08 (1) DL; Ridge 11/07 (1) RC; Upton 17/06 (1) NH; Broadstone 24/06 (1) JS; Durlston Country Park 26/07 (1) AMi; Ballard Down 08/09 (1) AG & CT.

63.060 *Evergestis pallidata* (Common) Lyme Regis 07/08 (1), 11/08 (1) PB; Whitchurch Canonicorum 14/08 (1) LP & AMa; Tolpuddle 25/06 (1), 13/07 (1), 16/07 (1), 30/07 (1) JF; Carey 30/07 (1), 10/08 (1) AG & CT.

63.076 *Euchromius ocella* (Mig) Walditch 09/04 (1) MP.

63.082 *Crambus silvella* (pRDB3) Winfrith Heath 16/08 MP; Carey 10/08 (1) AG & CT, conf. PS.

63.083 *Crambus uliginosellus* (Nb) The Moors 16/06 (1) AG & CT.

63.087 *Crambus hamella* (Nb) Tolpuddle 25/08 (1) JF; Tonerspuddle Heath 03/09 (2) SH & LP.

63.103 *Catoptria verellus* (Mig) Portland Bill 25/06 (1) MC; Wareham Forest 25/06 (1) WS. (Photo © MC Portland 25.6.20)

63.119 *Musotima nitidalis* (Adv) Stoborough 19/09 (1) DL; Brownsea Island, regularly from 04/04 to 01/06, and 06/09 (1) NT; Poole 08/11 (1) ML.



# MIGRANT MOTH REPORT 2020

Jack Oughton

2020 was not a stand-out year for migrants, however there were several notable records, amongst the more regular migrant species. The best weather conditions for moth migration occurred from the 31<sup>st</sup> July for a couple of weeks, and during this time we saw some notable species. No doubt the highlight of this migrant moth activity was the first UK record of **Rusty-shouldered Pug** *Eupithecia breviculata* at Southwell, Portland on 07/08, but there were also note-worthy movements of species such as **Oak Processionary** *Thaumetopoea processionea* and **Beautiful Marbled** *Eublemma purpurina*.

A single **Pine-tree Lappet** *Dendrolimus pini* was recorded at Abbotsbury on the 31/07. Amongst the Hawk-moths, **Convolvulus Hawk-moth** *Agrius convolvuli* did reasonably well in 2020 with 33 records from 12 sites. Between the 11/08 and the 09/10. Three **Death's-head Hawk-moth** *Acherontia atropos* were recorded, from Canford (31/08), Wareham (09/10) and Ringstead (03/11), while **Bedstraw Hawk-moth** *Hyles gallii* was recorded at two sites on the 13/08, at Portland Bill and Preston. **Hummingbird Hawk-moth** *Macroglossum stellatarum* was well represented, with 73 records from 49 sites.

**Bright Wave** *Idaea ochrata* was recorded once, at the Grove, Portland on 25/06. While **Portland Ribbon Wave** *Idaea degeneraria* was recorded from its strongholds on Portland and the Purbeck coast, records from Ware (14/09) and Bridport (20/10) could represent migrants. **Blair's Mocha** *Cyclophora puppillaria* continues to appear to be breeding at Bridport, with 44 records from the area between July and November. Elsewhere, it was recorded from Portland Bill (21/09; 18/10; 20/10), Weymouth (02/06; 13/08) and Puddletown (14/08; 15/08). A single **Jersey Mocha** *Cyclophora ruficiliaria* was recorded from Portland Bill on 15/08. **Vestal** *Rhodometra sacraria* had a good year, with 99 records from 36 sites. Over half of these records fall within the notable migration period between the 31<sup>st</sup> July and the 13<sup>th</sup> August.

A single **Oblique Striped** *Phibalapteryx virgata* was recorded, from Bridport on 13/08. Following a bad year in 2019, **The Gem** *Nycterosea obstipata* continued to fare poorly in 2020, being recorded 8 times from 6 sites, mostly in late October and early November. A single **Many-lined** *Costaconvexa polygrammata* was recorded from Whitchurch Canonicorum on 24/04. The first Dorset record of **Cryptic Fern** *Horisme radicularia* was recorded at Weymouth, Redlands on 12/08, whether this is a migrant or undetected resident only time will tell. A **Cloaked Pug** *Eupithecia abietaria* was recorded away from suitable habitat from Portland Bill on 18/06. **Latticed Heath** *Chiasmia clathrata* was recorded three times away from suitable habitat, from Portland Bill (25/06; 20/08) and Tolpuddle (22/08).

**Oak Processionary** *Thaumetopoea processionea* had a good year in 2020, which was also reflected in the Dorset records, with 11 records from 11 sites, all but one being between the 31/07 and the 10/08. A single **Tawny Prominent** *Harpyia milhauseri* was recorded during this period, from Preston on 31/07. **Gypsy Moth** *Lymantria dispar* was recorded from Dorchester (04/08), Weymouth, Redlands (07/08) and Tolpuddle (14/08). Among the Footman which are likely migrants, a single **Dotted Footman** *Pelosia muscerda* was recorded from Wareham on 13/08 and two **Hoary Footman** *Eilema caniola* from Broadmayne (06/08) and Portland Bill (26/08).

**Small Marbled** *Eublemma parva* was only recorded once, from Southwell, Portland on 15/09. However, its relative **Beautiful Marbled** *Eublemma purpurina* was another species which did well in 2020, with records from Portland Bill (10/08; 11/08; 12/08; 13/08; 14/08), Portesham (10/08), Sutton Poyntz (13/08; 16/08), Puddletown (19/09) and Swanage (08/06).

**Rosy Underwing** *Catocala electa* was recorded from Puncknowle (19/08), Abbotsbury (31/08), Southwell, Portland (30/08), East Stoke (16/08) and Corfe Castle (05/09). **Dark Crimson Underwing** *Catocala sponsa* was recorded at Lyme Regis (20/08), Preston (15/08) and Swanage

(26/07), while **Light Crimson Underwing** *Catocala promissa* was recorded from Alners Gorse (05/08) and Corfe Mullen (24/07; 14/08).

**Slender Burnished Brass** *Thysanoplusia orichalcea* was recorded from Portland Bill (20/08). **Golden Twin-spot** *Chrysodeixis chalcites* was recorded from Bridport (07/11) and Weymouth, Redlands (07/10; 18/10; 21/11). **Dewick's Plusia** *Macdunnoughia confusa* was recorded 10 times from 8 sites between April and October, with most records in mid-September (photo © LP 22.4.20, *Whitchurch Canonicourm*). **Silver Y** *Autographa gamma* was recorded 1057 times from across the county, with just shy of 3959 moths recorded. This is considerably higher than 2019, where only 384 occurrences of Silver Y were recorded.



Dorset's first **Silver Barred** *Deltote bankiana* was recorded from Portland Bill on 26/06, and nearby, a **Pale Shoulder** *Acontia lucida* was recorded from the Grove, Portland on 12/08. **Bordered Straw** *Heliothis peltigera* was only recorded from Winterborne Stickland (28/06), Puncknowle (21/09) and Swanage (15/06; 17/06), while **Scarce Bordered Straw** *Helicoverpa armigera* fared better with 45 records from 10 sites. **Tree-lichen Beauty** *Cryphia algae* had a good year, being recorded from Portland Bill (05/08; 10/08; 12/08; 13/08; 15/08), Preston (13/08) and Swanage (07/08; 09/08; 13/08). **Small Mottled Willow** *Spodoptera exigua* had a poor year, with only a single record from Swanage on 02/09. **Porter's Rustic** *Athetis hospes* was recorded twice, both on the 10/08, from Portesham and Tolpuddle. A single **Orache Moth** *Trachea atriplicis* was recorded once from Weymouth, Redlands on 24/07.

**Pale-lemon Sallow** *Cirrhia ocellaris* was recorded from East Stoke (17/09). **Red-headed Chestnut** *Conistra erythrocephala* was recorded from Portland Bill (07/11; 19/11) and Puddletown (19/11). During the warm spring, **Blossom Underwing** *Orthosia miniosa* were recorded away from known strongholds, with records from Whitchurch Canocorum (17/04) (photo © LP), Walditch (04/04), Portesham (10/04) and Corfe Mullen (11/04). While this species does breed in the county, these individuals may be migrants or wanderers from Dorset strongholds. A single **Splendid Brocade** *Lacanobia splendens* was recorded from Broadstone on 25/06. Among the wainscots, **Delicate** *Mythimna vitellina* had an average year, with 161 records from 29 sites, **White-speck** *Mythimna unipuncta* was recorded 42 times from 12 sites and The **Cosmopolitan** *Leucania loreyi* was recorded 11 times from 5 sites.



The regular migrants **Pearly Underwing** *Peridroma saucia* was recorded 53 times from 10 sites and **Dark Sword-grass** *Agrotis ipsilon* was recorded 229 times from 44 sites. **Radford's Flame Shoulder** *Ochropleura leucogaster* had an excellent year, with 63 records from 15 sites, with most records from between mid-October and November. **Langmaid's Yellow Underwing** *Noctua janthina* was recorded three times, from Portland Bill (22/06), Preston (11/07) and Stoborough (26/07).

Recent colonists such as **Clifden Nonpareil** *Catocala fraxini*, **Oak Rustic** *Dryobota labecula*, **Sombre Brocade** *Dichonioxa tenebrosa* and **Flame Brocade** *Trigonophora flammea* continue to be recorded in Dorset. Clifden Nonpareil continues to expand, with 43 records from 22 sites. Oak Rustic was recorded 28 times from 12 sites, mostly from areas where Holm Oak is prominent. Sombre Brocade was recorded regularly from Abbotsbury, where it is no doubt resident, but two records from Portland Bill could represent migrants. Flame Brocade was recorded 33 times from 8 coastal sites.



Among the micro migrants, **Diamond-back Moth** *Plutella xylostella* (photo © LP) was a common migrant, with 396 records of 1084 individuals, from across the county. *Metalampra italica* was recorded 10 times from 7 sites across the county, however, this species is possibly resident in the county now. A single *Dasycera oliviella* was recorded once from Merley on 10/08, while *Ethmia quadrillella* was recorded once from Broadstone on 22/08. *Tuta absoluta* was recorded 4 times from Walditch (20/10; 08/11), Portland Bill (14/09) and Puddletown (23/11). *Cydia amplana* was recorded 26 times from 20 sites, with most records in early August.

*Acrobasis tumidana* had a reasonable year, with records from Portland Bill (24/06; 08/08; 09/08; 10/08; 11/08), from two sites in Weymouth (06/08; 10/08), Dorchester (31/07) and Poole (31/07). A single *Apomyelois bistratella* was recorded away from suitable habitat in Weymouth on 09/08. *Cabotia oblitella* was recorded from Yetminster (09/08), Portland Bill (08/08; 11/08; 14/09; 15/09) and Weymouth (31/07). *Psammotis pulveralis* was recorded from Lyme Regis on 16/05. **Rusty-dot Pearl** *Udea ferrugalis* had an average year, with 517 records of 2447 individuals, which is up from 251 records of 562 individuals in 2019. *Mecyna flavalis* was recorded from Portland Bill (10/08). *Palpita vitrealis* had a good year, with 149 records of 287 individuals across 25 sites. *Antigastra catalaunalis* was recorded from Bridport (20/10) and Puddletown (14/08). **Rush Veneer** *Nomophila noctuella* had a bad year, with only 75 records of 119 individuals, which is comparable to 2019 where Dorset had 89 records of 102 individuals. A single *Euchromius ocella* was recorded from Walditch on 09/04. *Crambus pratella* was recorded from Yetminster on 02/06 away from suitable habitat, so this is likely a wanderer. *Catoptria verellus* was recorded twice on 25/06, from Portland and Wareham.

## PHEROMONE LURES

Julian Francis

Pheromone lures have become popular this Spring. They've been around for some time but the COVID lockdown seems to have created new interest. A new Facebook group has been formed - Moth Pheromone Trap Records - and several members of the Dorset Moth Group have been using them. If you want to join in, lures can be purchased from various suppliers, including Anglian Lepidopterist Supplies (ALS): <https://www.angleps.com>. Small traps to put the lures in can be purchased off ebay: <https://www.tinyurl.com/3cbm9re7>. However, you don't need a trap for all the moths. If you want to attract an Emperor Moth (photo © JO 2021) just put the lure in a small net and put it on some heather or whirl it around your head! Guidance on best practice for responsible lure use has been produced by ALS and can be found here: <https://www.tinyurl.com/wdp747fc>.

Most lures attract a range of moths, some unexpected - ALS has produced a spreadsheet on this: <https://www.tinyurl.com/mewrxwnw>. For example, the lure for *Grapholita funebrana* attracts *Pammene giganteana*; this micro was once thought to be rare in the UK, but pheromone trapping has shown it to be much more common. Different moths fly at different times of the year and at different times of the day - see the Dorset Moths website for flight periods and the field guides for flight times. We will publish a report on pheromone trapping in 2021 in the next Annual Report. Please send your records in and make sure you have noted that they result from pheromone trapping. If you're using Living Record (which we hope you are), specify "Pheromone trapping" as the method in the dropdown box. Also record which lure you used (you can add that to the Note section on Living Record). Let's try and get some more Clearwing records in 2021!



# ZYGAENA SIGHTINGS AT HOLWELL DROVE 2020

Colin Burningham

While observing the Marsh Fritillary butterflies flying at Holwell Drove, Dorset in May, we noticed a number of *Zygaena* moths nectaring mainly on the flowers of Ragged Robin. More detailed observations of the moths showed them to be five-spotted. Rudimentary knowledge of the *Zygaena* family had already put me on my guard with respect to identifying these moths and further reference to Waring and Townsend came up with the following guidelines.

In England, there are two species of five-spotted Burnets, namely Five-spot Burnet (*Zygaena trifolii*) and Narrow-bordered Five-spot Burnet (*Zygaena lonicerae*). Furthermore, the Five-spot Burnet (*Zygaena trifolii*) occurs in two sub-species (ssp. *palustrella* and ssp. *decreta*). All three basic species can be very difficult to tell apart. Additionally, ssp. *palustrella* also occurs in two forms, namely f. *minoides* and f. *lutescens* but the forms are relatively simple to identify.

To help out, the flight period is an important clue for identifying variants. For instance, *Zygaena trifolii* ssp. *palustrella* flies earlier in the year than ssp. *decreta* or *Zygaena lonicerae*.

In further detail, the flight periods are as follows:

- *Zygaena trifolii* ssp. *palustrella* is mid-May to mid-June
- *Zygaena lonicerae* is mid-June to July
- *Zygaena trifolii* ssp. *decreta* is July to early August

As an additional clue, Five-spot Burnets frequently have spots 3 and 4 joined but can also appear with five separate spots whereas Narrow-bordered Five-spot Burnet has five separate spots with often spot 3 noticeably smaller than the other four.

As a guidance in clarifying the positioning of the spots:

- spots 1, 3 and 5 are adjacent to leading edge of forewing
- spots 2, 4 and 6 are adjacent to trailing edge of forewing.
- spots 1 and 2 are at the base (front).

The two forms of *Zygaena trifolii* ssp. *palustrella* mentioned are easily identified:

ssp. *palustrella* f. *minoides* has all five spots fused

ssp. *palustrella* f. *lutescens* resembles ssp. *palustrella* with yellow markings instead of red.



Fig. 1 Five-spot Burnet  
ssp. *palustrella* (spots fused)



Fig. 2 Five-spot Burnet  
ssp. *palustrella* (spots separate)



Fig. 3 Five-spot Burnet  
form *minoides*

Returning to our observations at Holwell Drove, we carried out weekly walks with all sightings taken from the grass verge with minimum intrusion on the land containing Devil's Bit Scabious. We recorded our first specimens of *Zygaena trifolii* ssp. *palustrella* with spots 3 and 4 fused (fig 1) and spots separate (fig 2) and also form *minoides* (fig 3) on 27th May. They were joined by regular sightings of form *lutescens* (fig 4) from 2 June. (figures 1 to 4 were all taken on 5th June). The dates fit in very well with the published flight dates of mid-May to mid-June for the early Five-spot Burnet species.

On 7th July, the first Six-spot Burnet (*Zygaena filipendulae*) (fig 5) was seen, easily identified by the six spots. Again, this date ties in well with the published flight period of late June to August. On 12th July, a Five-spot Burnet was again seen at this site (fig 6) and the date indicated that it was likely to be either *Zygaena trifolii* ssp. *decreta* (Five-spot Burnet ssp. *decreta*) or *Zygaena lonicerae* (Narrow-bordered Five-spot Burnet) both of which have flight periods in July. The individual identification could be somewhat challenging. Referring to the distribution charts in Waring and Townsend, it is likely to have been ssp. *decreta*. By 8 August, no further *Zygaena* sightings were made along the Drove.



Fig. 4 Five-spot Burnet form *lutescens*



Fig. 5 Six-spot Burnet



Fig. 6 Possible Five-spot Burnet ssp. *decreta*

The caterpillars of most *Zygaena* species spin their cocoons low down, close to the ground but those of Six-spot Burnet, Narrow-bordered Five-spot Burnet and Five-spot Burnet ssp. *decreta* have the curious habit of climbing high on a grass or plant stem before they make their cocoons. However, only one or two sightings of cocoons were made at the Drove and they were high in the grass stems.

All photographs © Colin Burningham, taken at the Holwell Drove site on the dates indicated. With thanks for all the help given by the *Field Guide to the Moths of Great Britain and Ireland* (Third Edition) by Paul Waring and Martin Townsend.

## ESCAPES AND RELEASES

Julian Francis

We've all heard of Monarch butterflies being released at weddings. This makes it difficult to be sure whether any Monarchs seen in the UK are true migrants. I haven't heard of any moths being released at weddings but there are occasionally escapes from butterfly farms. People are also breeding native and foreign moths in the UK and these are sometimes released. This was highlighted in 2020 by the trapping of three Indian Moon Moths in Tolpuddle and Puddletown in July and August. This is a spectacular moth (see the photo on page 10 of this report). It's not clear where they came from but certainly not from India!