

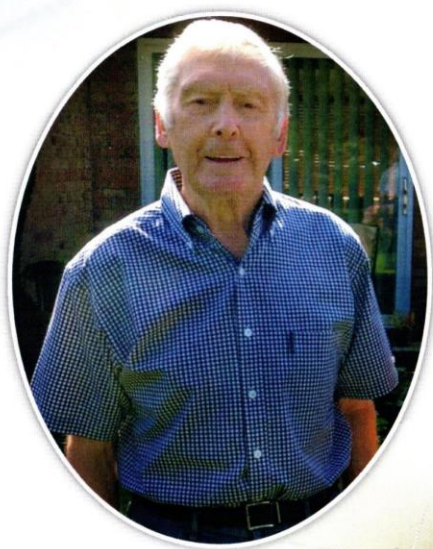
# Annual Moth Recorders' Meeting 2019

# Annual Moth Recorders' Meeting 2019

In Loving Memory of

Harold Norman Ball  
'Harry'

10th August 1931 - 27th February 2019



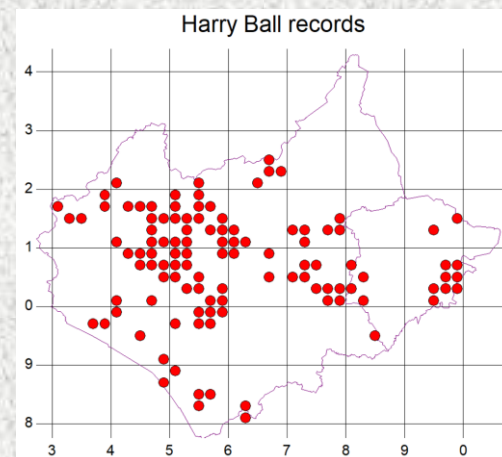
Friday 15th March 2019  
at 10.00 am

South Leicester Crematorium,  
Countesthorpe

Sadly, this year saw the death of one of the stalwarts of butterfly and moth recording in the county, Harry Ball.

In the 1980's Harry worked as a volunteer in the museum, meticulously processing records in the early days of the recording scheme. He was an inspiration, help and friend to many budding moth recorders, myself included.

Harry was a dedicated recorder, contributing 23,234 butterfly and moth records from 1979-2018 (40 years!). He was always seeking out new sites to record from, with his records coming from 262 different locations.



He will be missed by all those who knew him

- Review of 2018 Moth Recording
  - Overview & Statistics
  - Micromoths
  - Macromoths
- Progress towards “Butterflies and Moths of Leicestershire & Rutland” and moth recording in 2019



Overview & Statistics

Records	2018	2017
Micromoths	24,319	19,221
Macromoths	63,017	53,089
Total Moths	87,336	72,310
Butterflies	3,962	12,356
Total Leps	91,298	84,666



## Overview & Statistics

	VC55 (Leics)	VC32 (Northants)
<b>2018</b>		
Moth records	87,336	51,400
Moth Species	1,042	1,030

Northants data kindly provide by Mark Hammond in his excellent “Northamptonshire Moths – A Brief Summary of Noteworthy Records from 2018”

<http://www.northamptonshiremoths.org.uk/Northamptonshire%20Moths%20%E2%80%93%20A%20Brief%20Summary%20of%20Noteworthy%20Records%20from%202018>

## Overview & Statistics

### Moth Recorders in 2018

- There are 144 names on my moth recorders email list
- 75 garden moth trappers have submitted 2018 records
- There are approx 12 moth trappers not on my email list that it would be great to get records from.
- Moth records received from a total of 179 recorders (many are contributors to NatuseSpot).

## Overview & Statistics

New garden moth trappers submitting records for the first time in 2018 (apologies for any errors or omissions!)

- Jo & Alyson Kirkwood (Moir)
- Sallie Corfield (Blackfordby)
- Richard Pegler (Ashby-de-la-Zouch)
- David Stock (Hathern)
- Jools Partridge (Glen Parva)
- Andrew Taylor (Oakham)
- Andrew Dejardin (Empingham)
- Paul Stevens (Uppingham)
- Alistair Crowle (Uppingham)



## Overview & Statistics

### Top Ten Species of Macromoth in 2018 - records

Rank	Species	Records
1	Large Yellow Underwing	1,918
2	Heart and Dart	1,602
3	Brimstone Moth	1,447
4	Setaceous Hebrew Character	1,302
5	Shuttle-shaped Dart	1,218
6	Willow Beauty	1,193
7	Flame Shoulder	1,176
8	Riband Wave	1,107
9	Silver Y	1,072
10	Dark Arches	980

## Overview & Statistics

### Top Ten Species of Macromoth in 2018 - records

Rank	Species	Records	VC32 Rank
1	Large Yellow Underwing	1,918	1
2	Heart and Dart	1,602	3
3	Brimstone Moth	1,447	4
4	Setaceous Hebrew Character	1,302	2
5	Shuttle-shaped Dart	1,218	
6	Willow Beauty	1,193	6
7	Flame Shoulder	1,176	7
8	Riband Wave	1,107	
9	Silver Y	1,072	5
10	Dark Arches	980	

VC32 Top Ten: 8 = Straw Dot, 9 = Hebrew Character, 10 = Common Wainscot

## Overview & Statistics

### Top Ten Species of Macromoth in 2018 – moths

Rank	Vernacular	Individuals
1	Large Yellow Underwing	23,572
2	Setaceous Hebrew Character	13,952
3	Heart and Dart	10,535
4	Riband Wave	7,393
5	Common Rustic agg.	6,914
6	Dark Arches	6,748
7	Uncertain	6,256
8	Common Footman	5,105
9	Square-spot Rustic	4,714
10	Brimstone Moth	4,530



# Micromoth Highlights

**4.036 *Stigmella myrtillella***

**2<sup>nd</sup> VC55 Record**



Leaf-mines billberry  
(*Vaccinium myrtillus*) and  
bog-billberry (*Vaccinium  
uliginosum*).

**25/05/2018 Browns Hay**

**1 Anona Finch  
(Gen. Det. GLF)**

*Only previous record: Charnwood Lodge, 26/07/2003*

**10.006 *Coptotriche angusticollella***

**2<sup>nd</sup> VC55 Record**



Non-VC55 Photo © Barry Dickerson per HMBG

Blotch-mines the leaves of  
rose (*Rosa spp.*)

**04/10/2018 Ketton Quarry**

**Adrian Russell**

*Only previous record: Ketton Quarry, 08/09/2013*



**12.031 *Tinea columbariella***

**First for VC55**



Feeds in bird nests, owl pellets, poultry houses and occasionally indoors or on woollen materials.

**25/06/2018   Sapcote Garden   1   Graham Calow  
(Gen. Det. AJM)**

**15.0931 *Phyllocnistis citrella***

**2<sup>nd</sup> VC55 Record**



© Mark Skevington 2018

Mines the leaves of citrus plants. Adventive species.

**02/04/2018 Palmers GC,  
Enderby**

**Mark Skevington**

*Only previous record: Leicester, 09/12/2016*

## 16.008 *Yponomeuta sedella*

**First for VC55**



Feeds on orpine (*Sedum telephium*) and related cultivars.

18/07/2018	Barrowden Gdn	1	Ron Follows
25/07/2018		2	(Gen. Det. AJM)



## 19.012 Leek Moth *Acrolepiopsis assectella* Recent Colonist



Feeds on garlic (*Allium spp.*), especially cultivated varieties.

- 2014 – one record, VC55 first
- 2015 – one record, new site
- 2016 – two records
- 2017 – 13 records, one new site
- 2018 – 29 records, four new sites

**35.029 *Brachmia inornatella***

**2<sup>nd</sup> VC55 Record**



Non-VC55 Photo © Chris Lewis per British Lepidoptera

Feeds in the dead stems and decaying leaves of common reed (*Phragmites australis*).

<b>02/06/2018</b>	<b>Rutland Water</b>	<b>1</b>	<b>Ron Follows</b>
<b>17/06/2018</b>		<b>1</b>	
<b>01/07/2018</b>		<b>1</b>	

*Only previous record: Rutland Water, 01/07/2017*

**35.039 *Bryotropha politella***

**2<sup>nd</sup> VC55 Record**



Associated with springy turf-moss (*Rhytidiadelphus squarrosus*), grimmia (*Schistidium spp.*) and meadow-grasses (*Poa spp.*).

**16/06/2018 Charnwood  
Lodge**

**1 Anona Finch  
(Gen. Det. GLF)**

*Only previous record: Charnwood Lodge, 09/06/2006*

**35.045 *Bryotropha basaltinella***

**First for VC55**



Feeds on great hairy screw-moss (*Syntrichia ruralis* ssp. *ruralis*).



<b>14/05/2017</b>	<b>Wigston Garden</b>	<b>1</b>	<b>Gavin Gamble</b>
(Det. 2018)			(Gen. Det. GLF)
<b>31/05/2018</b>	<b>Sapcote Garden</b>	<b>1</b>	<b>Graham Calow</b>
			(Gen. Det. AJM)



## 35.116 *Scrobipalpa obsoletella*

**First for VC55**

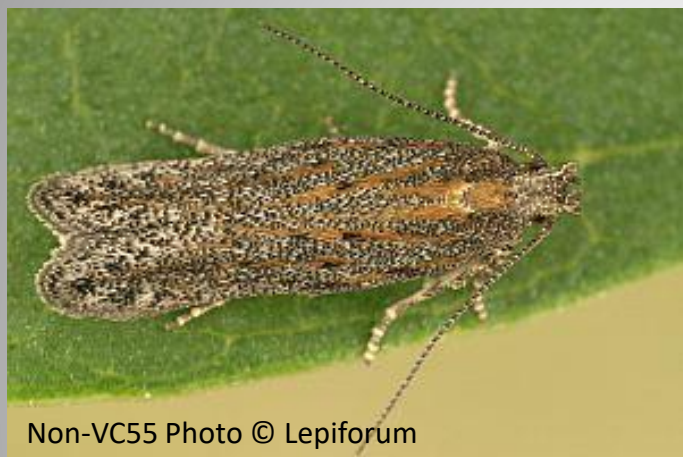


Feeds on orache (*Atriplex spp.*), and perhaps also on goosefoot (*Chenopodium spp.*).

21/07/2018	Ketton Quarry	1	Mark Skevington (Gen. Det. AJM)
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**35.120 *Scrobipalpa artemisiella***

**First for VC55**



Feeds on wild thyme  
(*Thymus polytrichus*).

**21/07/2018 Ketton Quarry**

**1 Mark Skevington  
(Gen. Det. AJM)**

## 35.099 *Gelechia senticetella*

## Single-site Species



Mines the tips of **lawson's cypress** (*Chamaecyparis lawsoniana*), other **cypresses** (*Cupressus spp.*), **junipers** (*Juniperus spp.*) or red cedar (*Thuja sp.*)

*All records from Mark's Whetstone garden .... still.*

- 2013 – two records, first for VC55
- 2014 – two records
- 2015 – one record
- 2016 – one record
- 2017 – four records
- 2018 – two records

**37.012 *Coleophora limosipennella***

**First for VC55**

Feeds on elm.



© Graham Finch 2018

**20/05/2018 Cloud Wood**

**Graham Finch**

**08/06/2018 Ketton Quarry**

**Mark Young**



**37.030 *Coleophora binderella***

**First for VC55**



Feeds on alder (*Alnus spp.*), birch (*Betula spp.*), hazel (*Corylus avellanella*) or hornbeam (*Carpinus betulus*).

**25/06/2018   Sapcote Garden   1   Graham Calow  
(Gen. Det. AJM)**

**39.005 *Chrysoclista linneella***

**First for VC55**



Feeds in the bark of lime trees (*Tilia spp.*).



23/07/2018	Knighton Garden	1	Alan Cann
24/07/2018	Evington Garden	1	Adrian Russell

**40.006 *Mompha jurassicella***

**2<sup>nd</sup> VC55 Record**



Mines the stems of great willowherb (*Epilobium hirsutum*).

**03/01/2018 Cropston Garden 1 Kate Nightingale**

*Only previous record: Sapcote, 06/04/2011*

**40.013 *Mompha locupletella***

**First recent record**



Mine the leaves of  
willowherbs (*Epilobium*  
*spp.*).

**19/06/2018 Cloud Wood**

**1 Mark Hammond  
& Keith Tailby**

*Previous records: Barwell 1998, Kirby Muxloe 1994 & 1996*



**45.043 *Adaina microdactyla***

**2<sup>nd</sup> VC55 Record**



Mines the stems of hemp-agrimony (*Eupatorium cannabinum*).

<b>09/08/2018</b>	<b>Queniborough</b>	<b>1</b>	<b>John Tinning</b>
	<b>Garden</b>		

*Only previous record: Shenton, 29/08/2011*

**49.016 Rose Tortrix** *Archips rosana*

**One to Watch**



Feeds on the buds and leaves of various deciduous trees and shrubs, especially raspberry, black currant and hop.

*Formerly common in England, now declining and local. Never common in VC55, six records pre-2000 and few confirmed records. Strong sexual dimorphism, males smaller and brighter. Check carefully and photograph or retain future individuals.*

**49.096 *Hysterothora maculosana***

**2<sup>nd</sup> VC55 Record**



Feeds in the seed capsules of bluebell (*Hyacinthoides non-scripta*) and possibly Spanish bluebell (*H. hispanica*).

**17/05/2018 Charnwood  
Lodge**

**1 Margaret  
McLoughlin**

*Only previous record: Herbert's Meadow, 20/05/2007*

**49.143 *Eudemis porphyrana***

**First for VC55**



Feeds on apple (*Malus spp.*), especially crab apple (*Malus sylvestris*).

**15/07/2018   Evington Garden   1   Adrian Russell  
(Gen. Det. AJM)**



**49.261 *Crocidosema plebejana***

**First for VC55**



Feeds on tree mallow (*Malva arborea*) and hollyhock (*Alcea rosea*).

*This is a scarce breeder in coastal areas in the south; inland records are not uncommon and may be wanderers from breeding populations or primary immigrants.*

**01/12/2018   Evington Garden   1   Adrian Russell**



**49.246 *Epinotia pygmaeana***

**2<sup>nd</sup> VC55 Record**



Feeds on spruce (*Picea spp*  
and silver fir (*Abies alba*).

**19/04/2018 Dunton Gorse**

**1 Graham Calow  
(Gen. Det. AJM)**

*Only previous record: Misterton Marsh, 07/05/1989*

**49.329 *Cydia illutana***

**2<sup>nd</sup> VC55 Record**



Feeds in the cones of  
european larch (*Larix  
decidua*).

**07/06/2018 Melton  
Mowbray**

**1 Pete Leonard  
(Gen. Det. AJM)**

*Only previous record: Charnwood Lodge, 03/06/2011*

**49.356 *Grapholita lobarzewskii***

**First for VC55**



Feeds in the fruits of plum and cherry (*Prunus*), and on the continent is also known from apple (*Malus*).

**30/06/2018 Whetstone  
Garden**

**1 Mark Skevington  
(Gen. Det. AJM)**

**62.026 *Dioryctria schutzeella***

**2<sup>nd</sup> VC55 Record**



Feeds on norway spruce (*Picea abies*), white spruce (*Picea glauca*) and silver fir (*Abies alba*).

**07/08/2018   Evington Garden   1   Adrian Russell**

*Only previous record: Barrowden, 29/06/2006*



**63.041 *Agrotera nemoralis***

**First post-VCH records**

Feeds on hornbeam  
(*Carpinus betulus*).



© Graham Calow 2018

*This is a rare breeder on the south coast. These records are likely to be of primary immigrants.*



© Graham Finch 2018

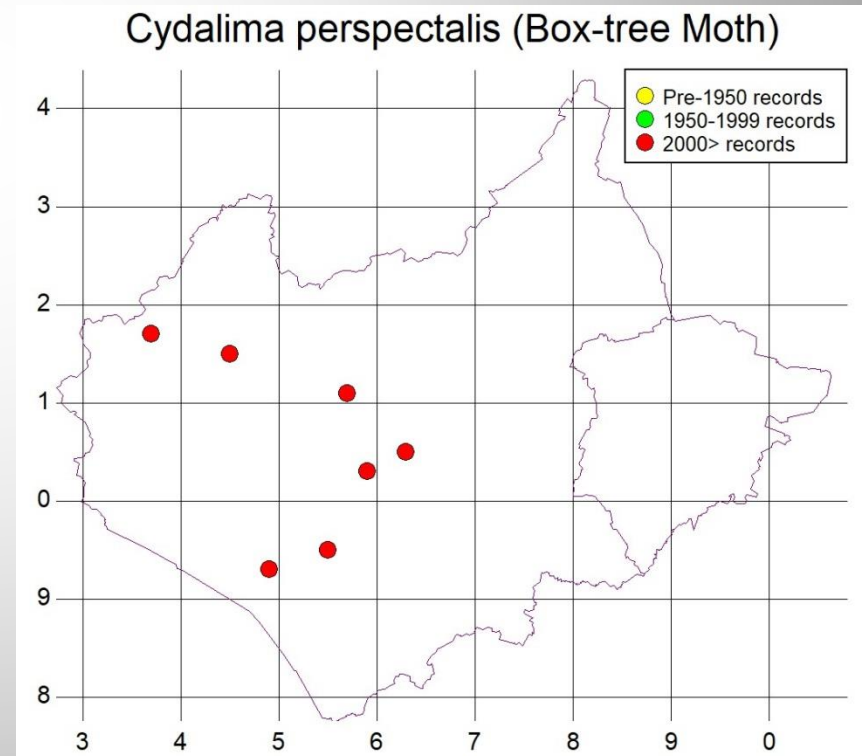
01/06/2018	Sapcote Garden	1	Graham Calow
08/06/2018	Beacon Hill	1	Graham Finch

**63.054 Box Moth** *Cydalima perspectalis* **Recent Colonist**



The larvae feed gregariously on box (*Buxus spp.*).

- 2017 – three records, two sites
- 2018 – seven records, five new sites



## 63.059 *Evergestis limbata*

## Single-site Species



The larvae feed gregariously on **garlic mustard** (*Alliaria petiolata*) and **hedge mustard** (*Sisymbrium officinale*).

*All records from Graham's Sapcote garden .... still.*

- 2013 – first VC55 record, at the time thought to be a primary immigrant
- 2014 – two records
- 2015 – no records
- 2016 – two records
- 2017 – one record
- 2018 – six records

**63.109 *Pediasia contaminella***

**First for VC55**

Feeds on various grasses.



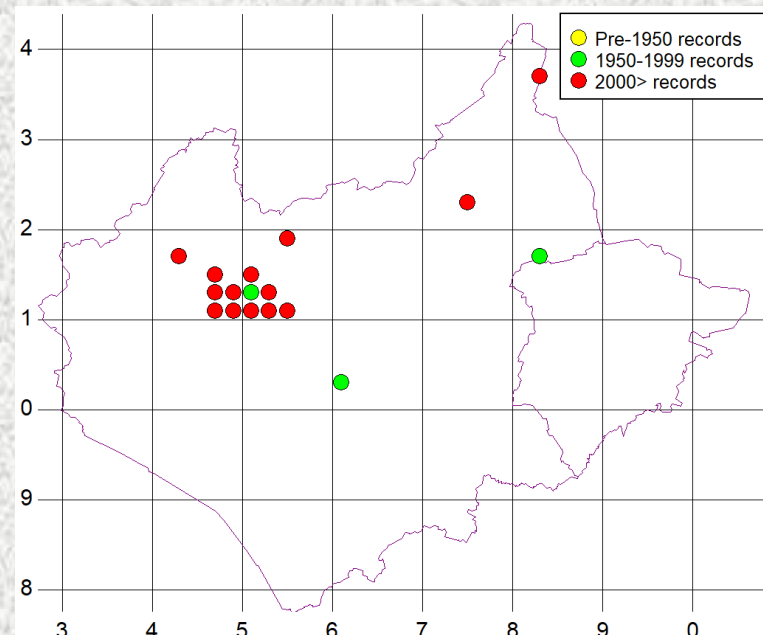
© Adrian Russell 2018

**25/07/2018   Sapcote Garden   1   Graham Calow**



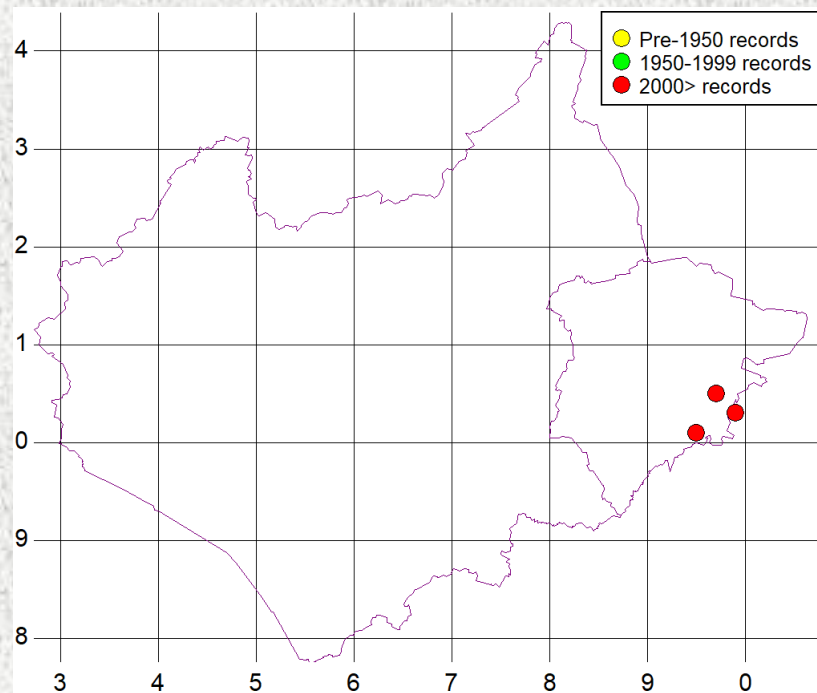
# Macromoth Highlights & Other Interesting Stuff

# Forester (*Adscita statices*)



28/05/2018	Millers Bridge, Loughborough	Steve Blandford	4
02/06/2018	Deans Lane fields, Woodhouse	Steve Blandford	3
02/06/2018	Rough Hill, Newtown Linford	Steve Blandford	4
06/06/2018	Bradgate Park	Matthew Billings	3
06/06/2018	Bradgate Park	Peter Shale	1
07/06/2018	Charnwood Lodge NR	Barbara Cooper	2
08/06/2018	Bradgate Park	Matthew Billings	1
09/06/2018	Rough Hill, Newtown Linford	Steve Blandford	6
11/06/2018	Rough Hill, Newtown Linford	Mark Skevington	6
11/06/2018	Bardon Hill	Melinda Bell	2
13/06/2018	Ulverscroft Valley	Uta Hamzaoui	
17/06/2018	Ulverscroft NR	Ian Turner	2
18/06/2018	Ulverscroft NR	Lindsi Donovan	1

# Festoon (*Apoda limacodes*)

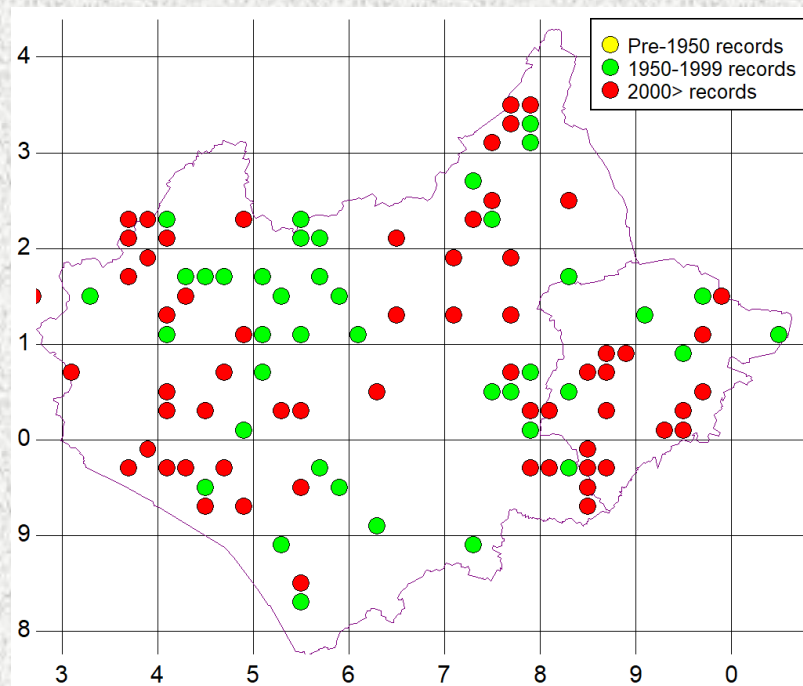


06/07/2018	Barrowden Road, Geeston	Rob Cooke
07/07/2018	Barrowden Road, Geeston	Rob Cooke

Previous records: Ketton Quarry 2008 & 2015  
Barrowden garden 2017



# Pale Eggar (*Trichiura crataegi*)



19 records of 163 moths

Generally declining, but seems to have had a good year



# Pale Eggar (*Trichiura crataegi*)



19 records of 163 moths

01/08/2018	Luffenham Heath Golf Course	Ron Follows	1
03/08/2018	Pintail Close, Whetstone	Mark Skevington	1
07/08/2018	Frog Lane, Plungar	Pete Leonard	1
17/08/2018	Luffenham Heath Golf Course	Ron Follows	76
17/08/2018	Grange Farm, Plungar	Pete Leonard	2
18/08/2018	Hinckley Road, Dadlington	Andy Johnson	1
19/08/2018	Hayes Close, Whitwick	Margaret McLoughlin	1
19/08/2018	Barkestone garden	Pete Leonard	5
20/08/2018	Hinckley Road, Dadlington	Andy Johnson	1
20/08/2018	Hinckley Road, Dadlington	Ray Morris	1
20/08/2018	Barton Road, Carlton	Angela Davies	1
21/08/2018	Hinckley Road, Dadlington	Andy Johnson	2
21/08/2018	The Willows, Holwell	Pete Leonard	2
25/08/2018	Morcott disused railway line	Dave Cole	1
28/08/2018	Luffenham Heath Golf Course	Ron Follows	63
31/08/2018	Eyebrook Reservoir, The Dam	Ron Follows	1
31/08/2018	Morcott disused railway line	Dave Cole	1
02/09/2018	Dovecote Close, Barrowden	Ron Follows	1
02/09/2018	Clarksdale, Great Easton	Jean Harvey	1

## Small Eggar (*Eriogaster lanestris*)



First Record since  
VCH (1907):  
*“Common in  
larvae state”*

03/04/2018	Station Road, Morcott	Dave Cole	1
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## Small Eggar (*Eriogaster lanestris*)



Non-VC55 photo

Worth looking for larval webs in Rutland in the summer

# Oak Eggar (*Lasiocampa quercus*)

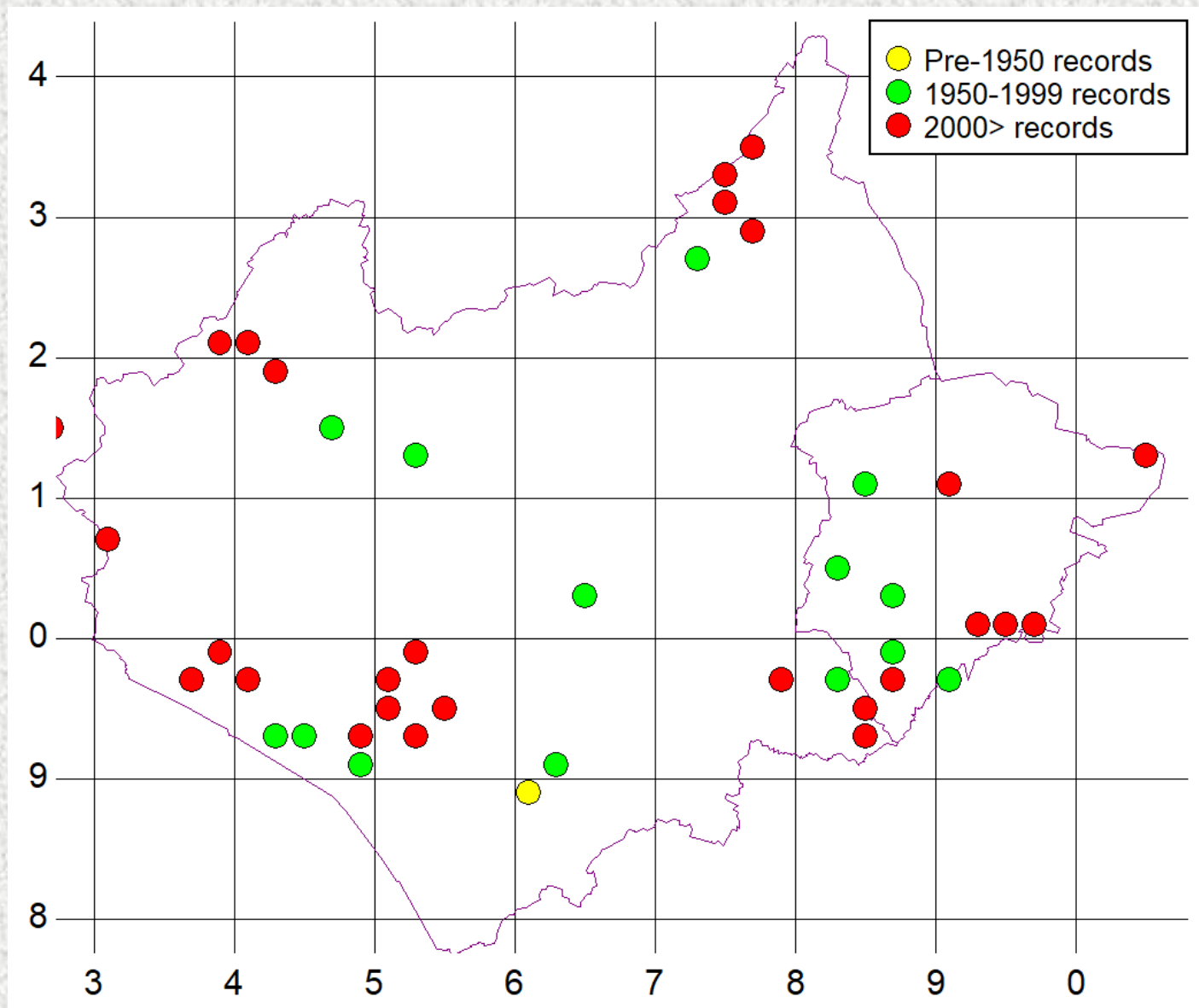
Best ever year



26/06/2018	Hinckley Road, Dadlington	Andy Johnson	1
27/06/2018	Harecroft Crescent, Sapcote	Graham Calow	1
28/06/2018	Harecroft Crescent, Sapcote	Graham Calow	1
01/07/2018	Pintail Close, Whetstone	Mark Skevington	1
02/07/2018	Aland Gardens, Broughton Astley	Dick Jones	1
03/07/2018	Harecroft Crescent, Sapcote	Graham Calow	1
03/07/2018	Harby garden	Adrian Freeman	1
04/07/2018	Harecroft Crescent, Sapcote	Graham Calow	1
06/07/2018	Hinckley Road, Dadlington	Andy Johnson	1
06/07/2018	Harecroft Crescent, Sapcote	Graham Calow	1
06/07/2018	Grange Farm, Plungar	Pete Leonard	1
07/07/2018	Staunton Harold	Graham Finch	1
08/07/2018	Water Lane, Eastwell	Pete Leonard	1



# Oak Eggar (*Lasiocampa quercus*)

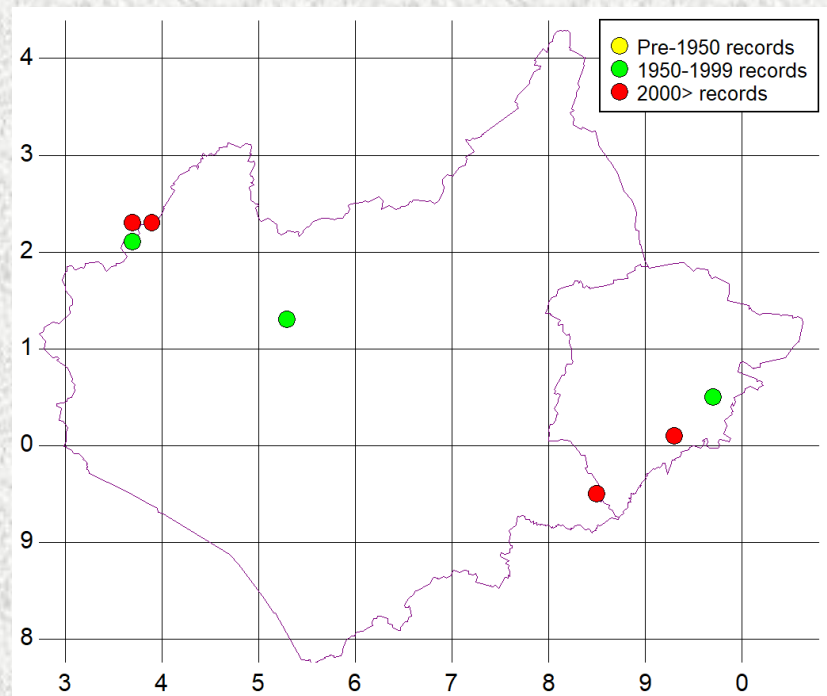


Year Records	
2000	1
2001	0
2002	2
2003	6
2004	0
2005	0
2006	2
2007	1
2008	3
2009	2
2010	2
2011	2
2012	0
2013	2
2014	10
2015	1
2016	9
2017	3
2018	13

# Oak Lutestring



01/09/2018 Morcott Dave Cole 1



## Previous records:

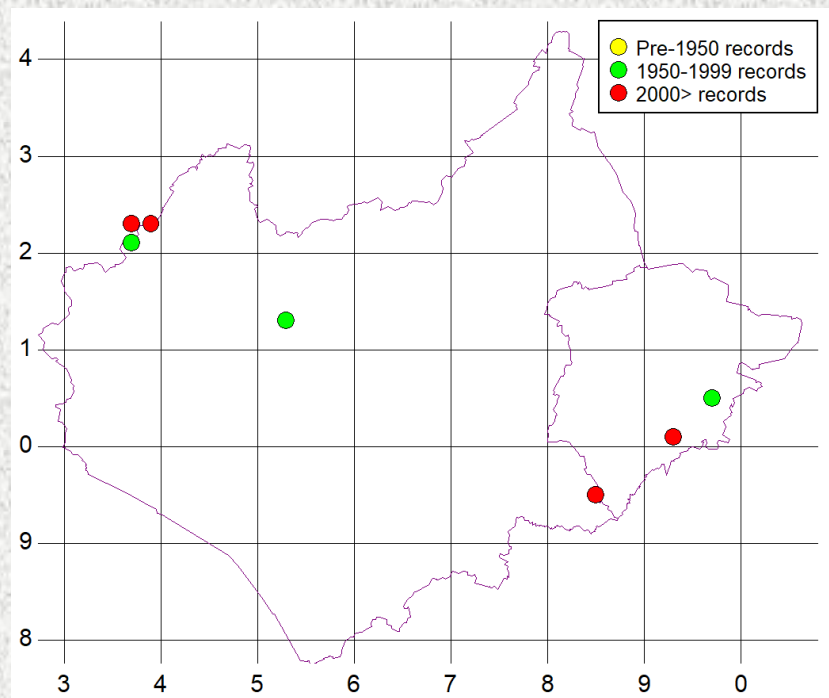
Swithland Wood 1961

Spring Wood 1985, 2006 & 2015

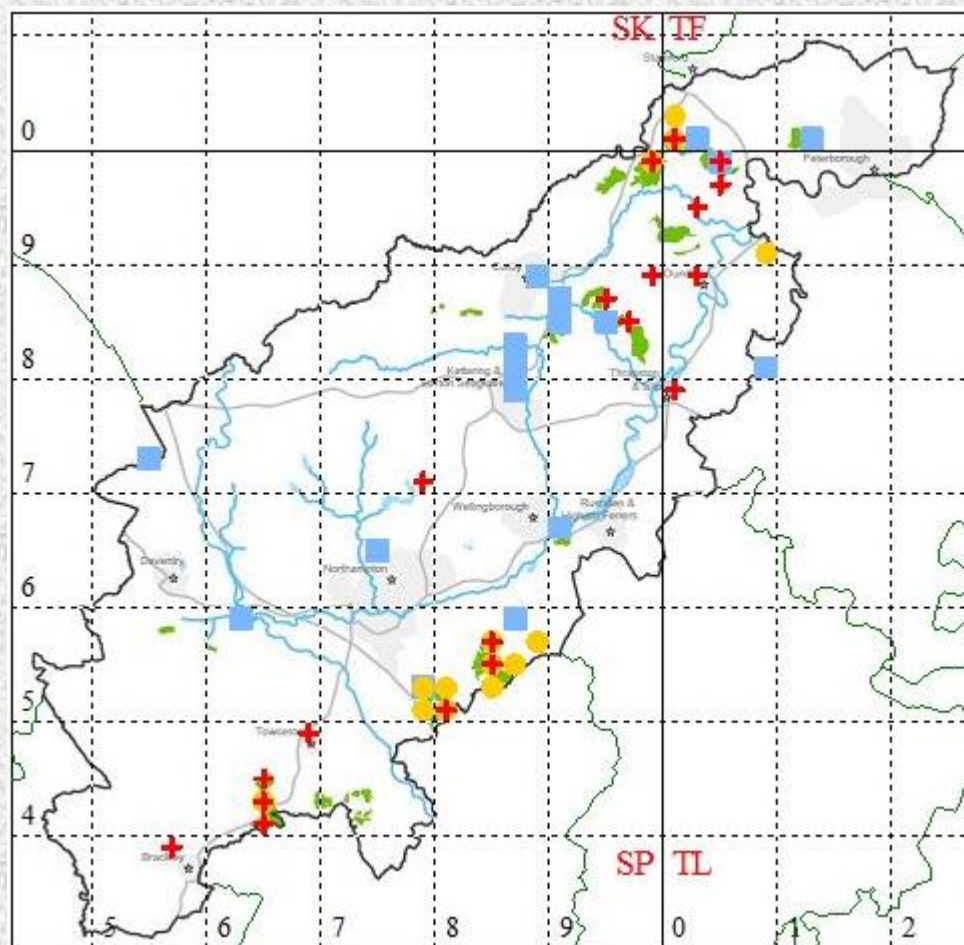
Ketton Quarry 1999

Eyebrook Reservoir 2012

# Oak Lutestring

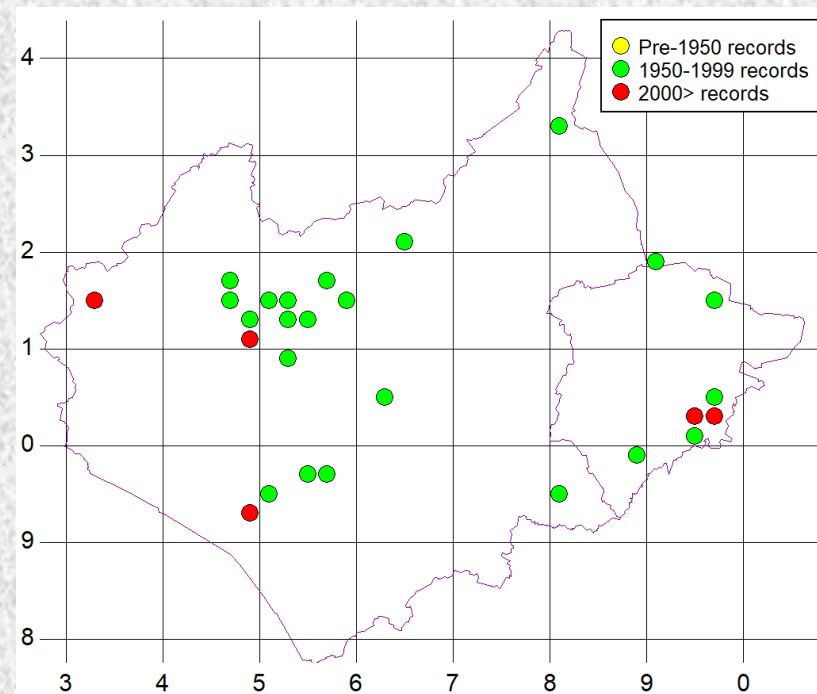


Appears to be resident in  
south Rutland and north  
Northants





# Grass Emerald (*Pseudoterpna pruinata*)



02/07/2018	Luffenham Heath Golf Course
21/07/2018	Newfields Colliery
01/08/2018	Luffenham Heath Golf Course

Ron Follows	1
Sean Wileman	1
Ron Follows	1

New site in the NW of VC55

## Other post-1999 records:

Markfield garden 2000

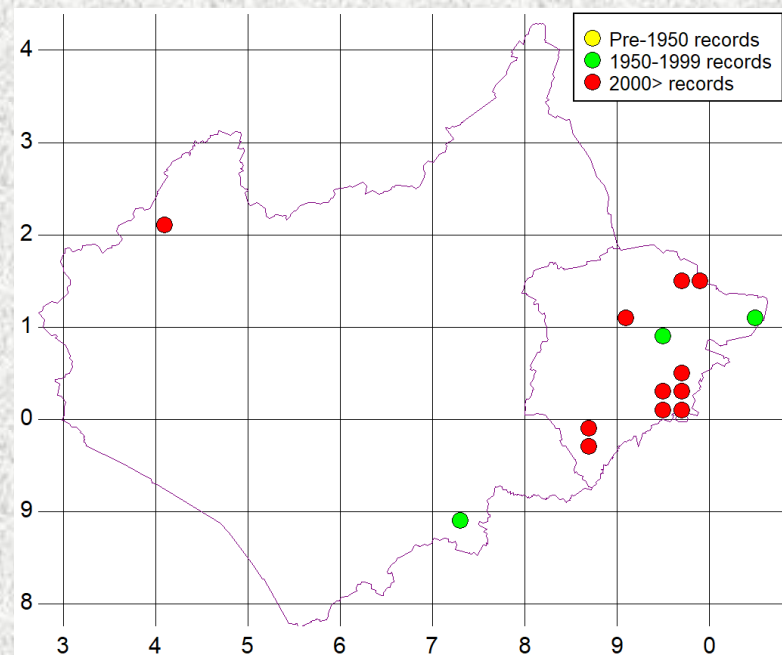
Luffenham Heath GC 2002-2017

Eyebrook Reservoir 2002

Sapcote garden 2014



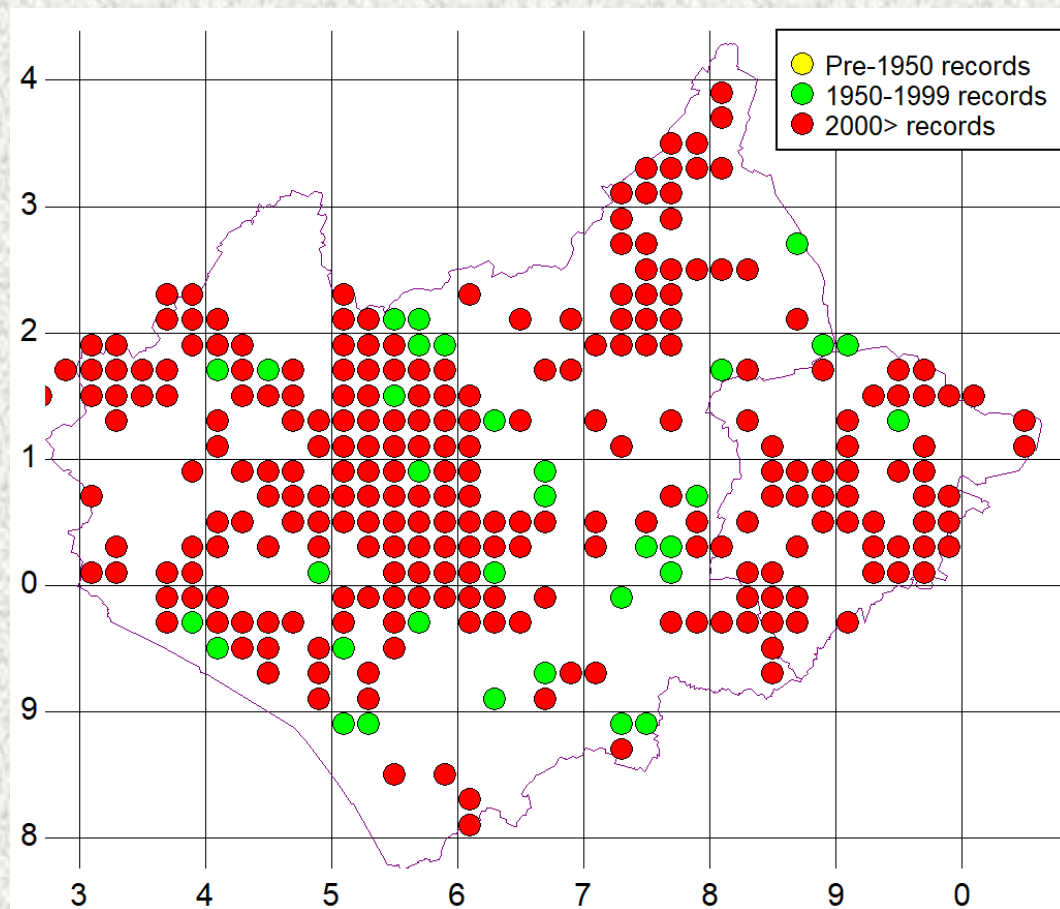
# Satin Wave (*Idaea subsericeata*)



19/06/2018	Cloud Wood NR	Mark Hammond/ Keith Tailby	4
14/08/2018	Dovecote Close, Barrowden	Ron Follows	1

New site in the NW of VC55

# Riband Wave (*Idaea aversta*)



1,107 records of 7,393 moths in 2018  
Ranked 8<sup>th</sup> most common macromoth (re records)



## Riband Wave (*Idaea aversta*)



Typical (banded) form



f. remutata (un-banded)

Nationally, the proportion of banded forms decreases the further north one goes, e.g.:

- VC16 (East Kent) 30.3%
- VC15 (West Kent) 28.9%
- VC20 (Herts) 25%
- VC38 (Warks) 17%
- VC62 (NE Yorks) 14.0% (Gordon Follows 1991-97)
- VC91 (Kincardine) 2.2%

VC55?



## Riband Wave (*Idaea aversta*)



Typical (banded) form

716

**20.3%**



f. *remutata* (un-banded)

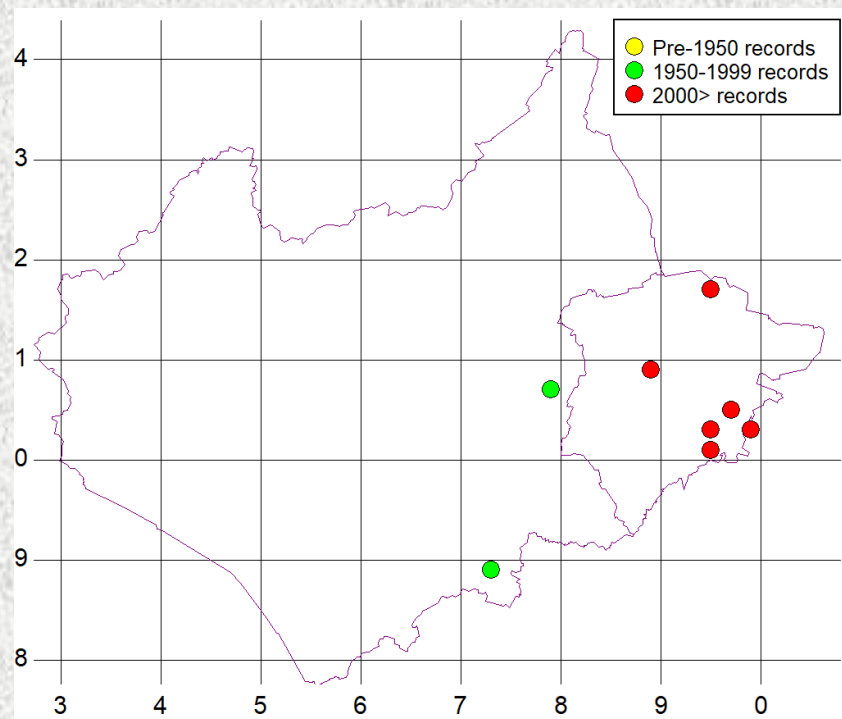
2,817

**79.7%**

- Analysis of 3,534 moths caught by 30 recorders
- Considerable variation: 14.5% to 25.5% (min sample size 100)
- Worth continuing counts in 2019 to improve data

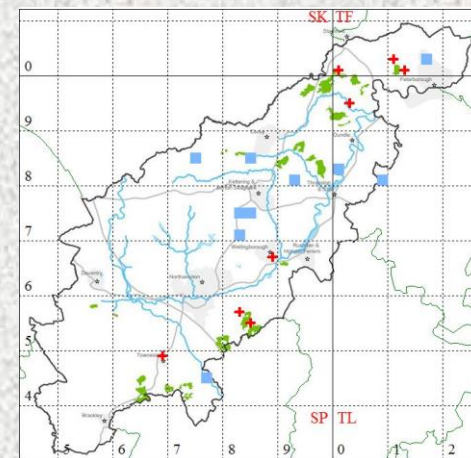


# Ruddy Carpet (*Catarhoe rubidata*)

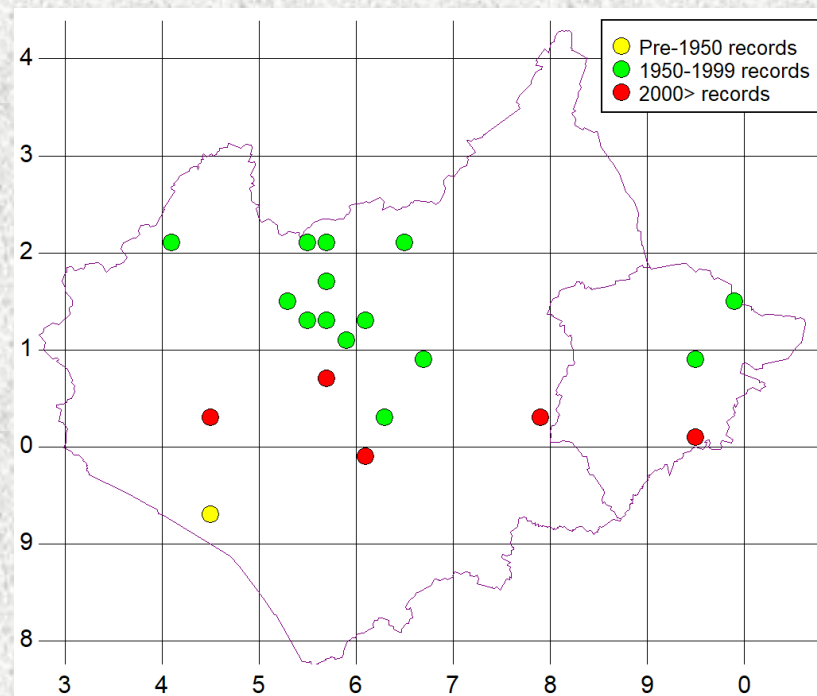


01/06/2018 Barrowden Road, Geeston Rob Cooke

Appears to be resident in south Rutland  
and north Northants



# Chevron (Eulithis testata)

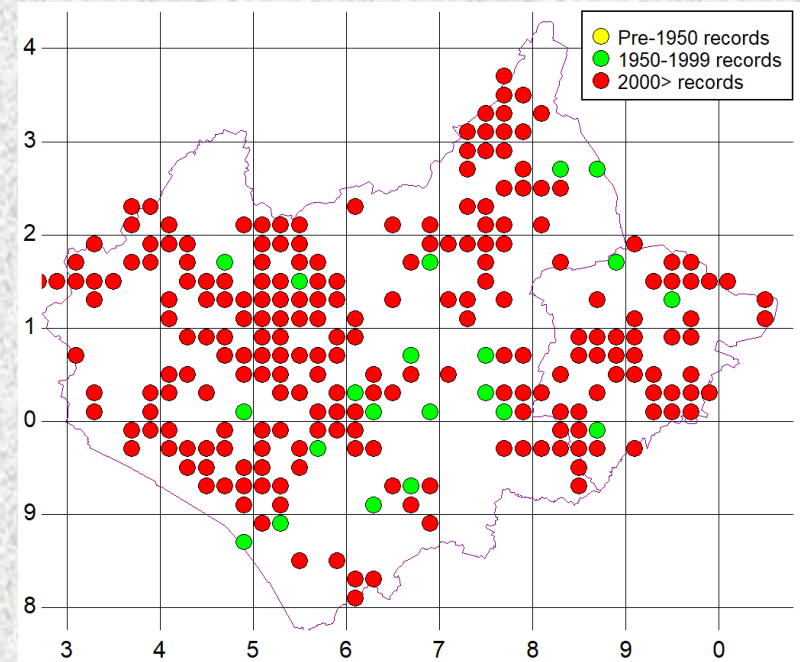


14/07/2018	Dovecote Close, Barrowden	Ron Follows	1
17/07/2018	Rosedale Road, Wigston Magna	Rod Baker	1
04/08/2018	Cheltenham Road, Leicester	Gary Freestone	1

Only 3 other post-1995 records

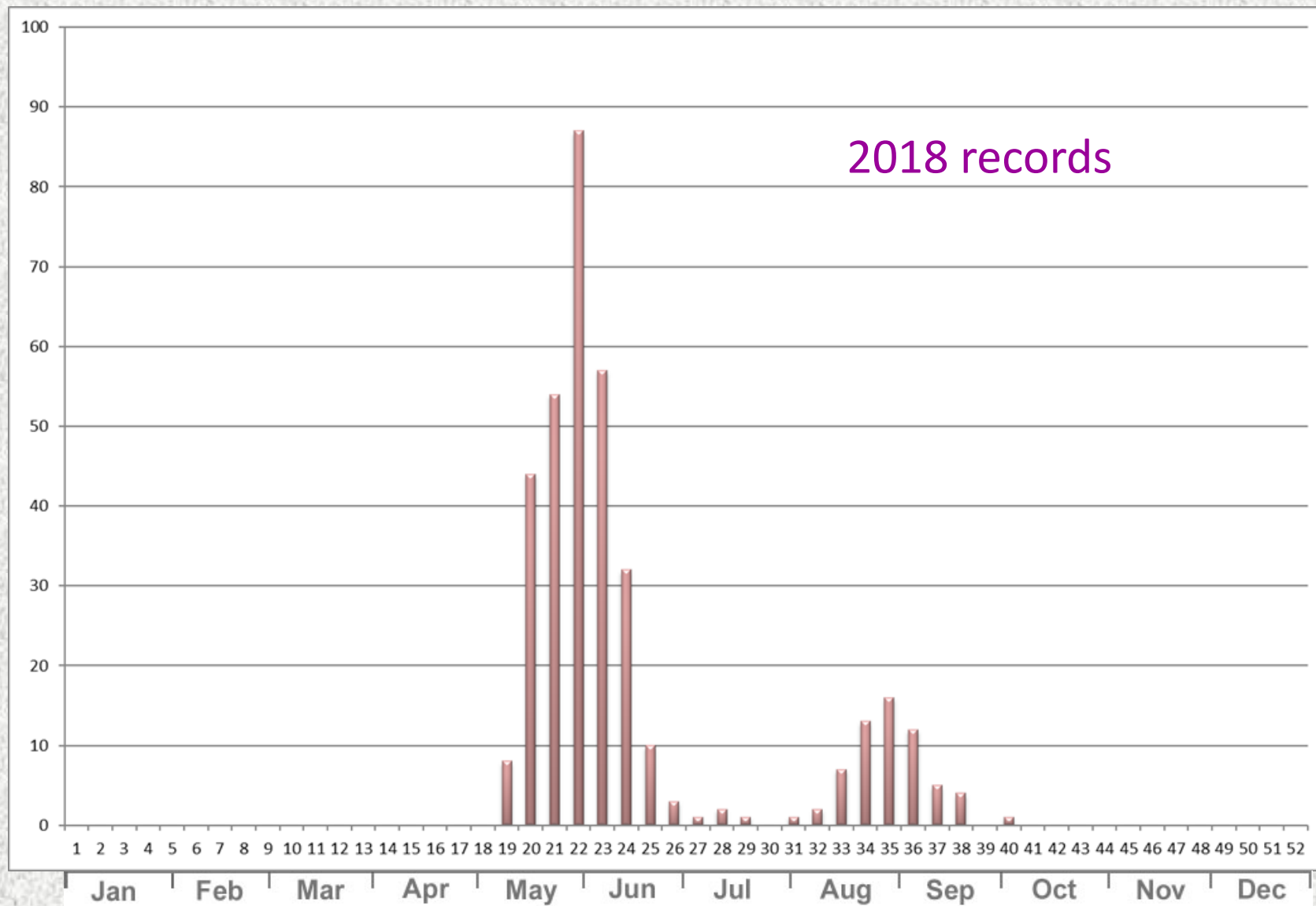


# Green Carpet (*Colostygia pectinataria*)



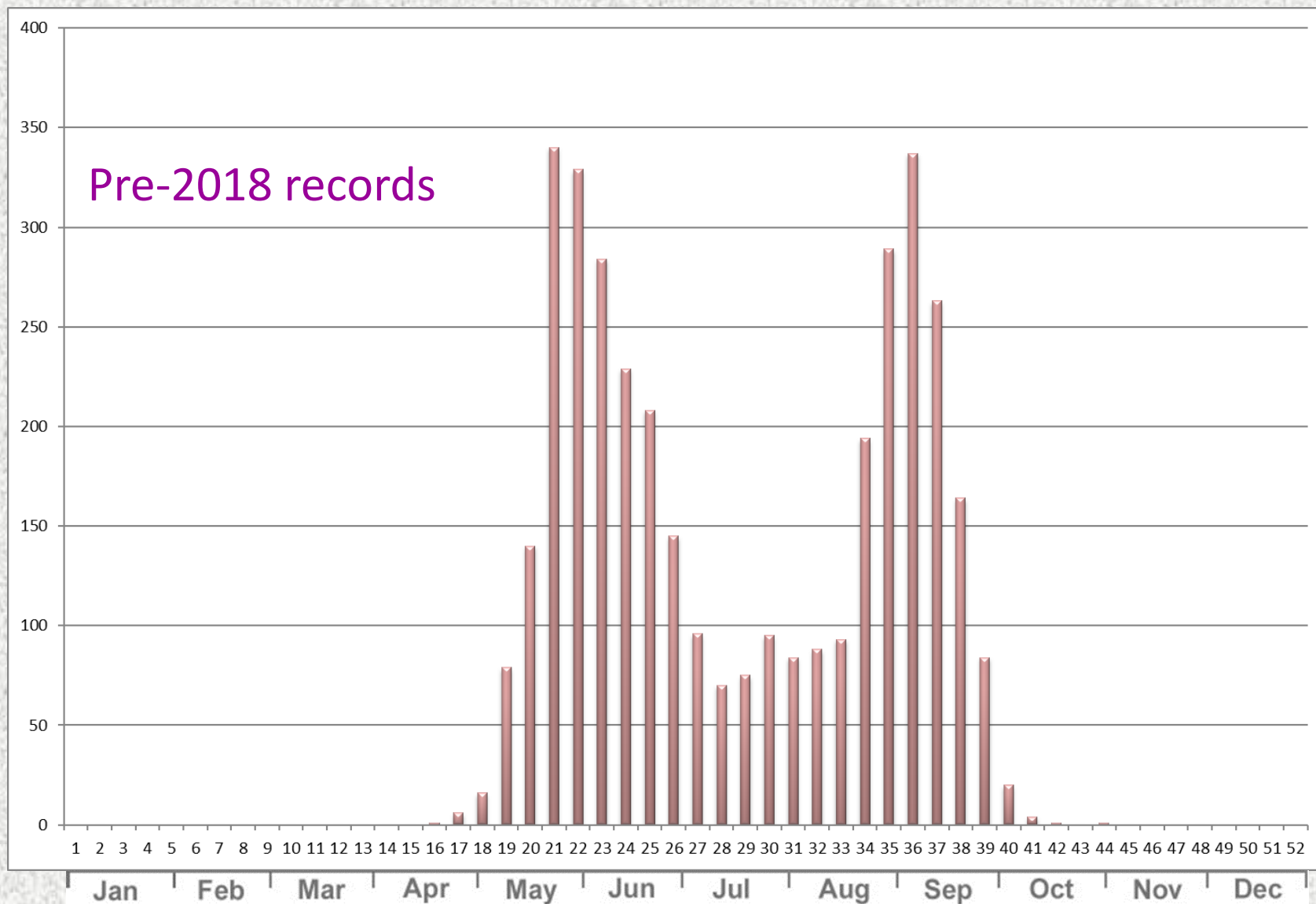
2018: 360 records of 1,101 moths – a common species (ranked 51st)

# Green Carpet (*Colostygia pectinataria*)





# Green Carpet (*Colostygia pectinataria*)



# Green Carpet (*Colostygia pectinataria*)



Using open source visualisation tools to  
extract empirical knowledge from citizen  
science biodiversity data

Paul J. Palmer<sup>1,\*</sup>, Michael Henshaw<sup>1</sup>,  
Russell Lock<sup>1</sup>, & Adrian Russell<sup>2</sup>.

1. *Loughborough University*

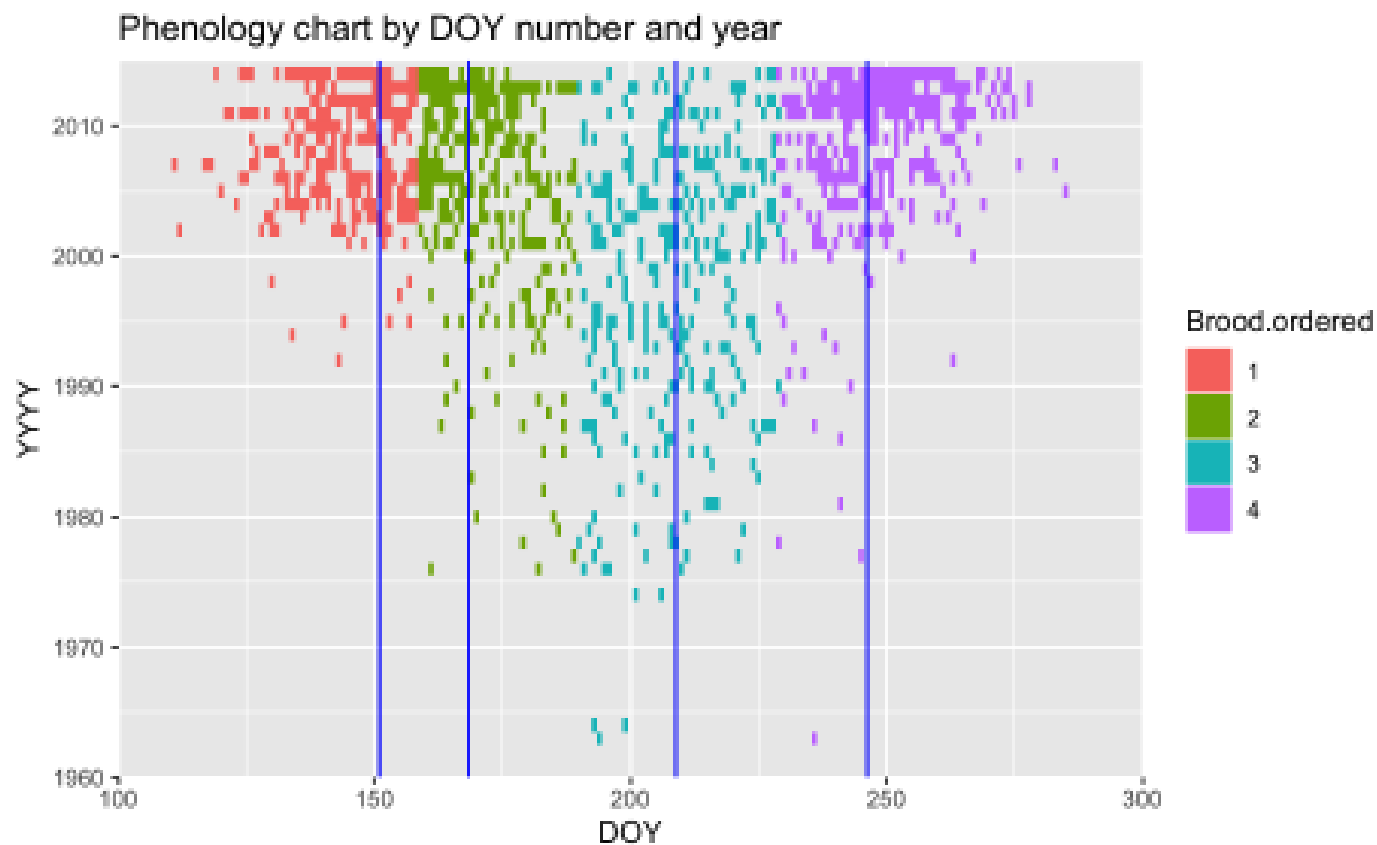
2. *County Moth Recorder for Leicestershire & Rutland*

Paul Palmer has been carrying out some interesting research  
, based on 4,145 Green Carpet records in the VC55 database

# Green Carpet (*Colostygia pectinataria*)



**Fig. 5** Phenology by 'Day of Year'(DOY) vs Year. Each coloured rectangle represents one or more observations.

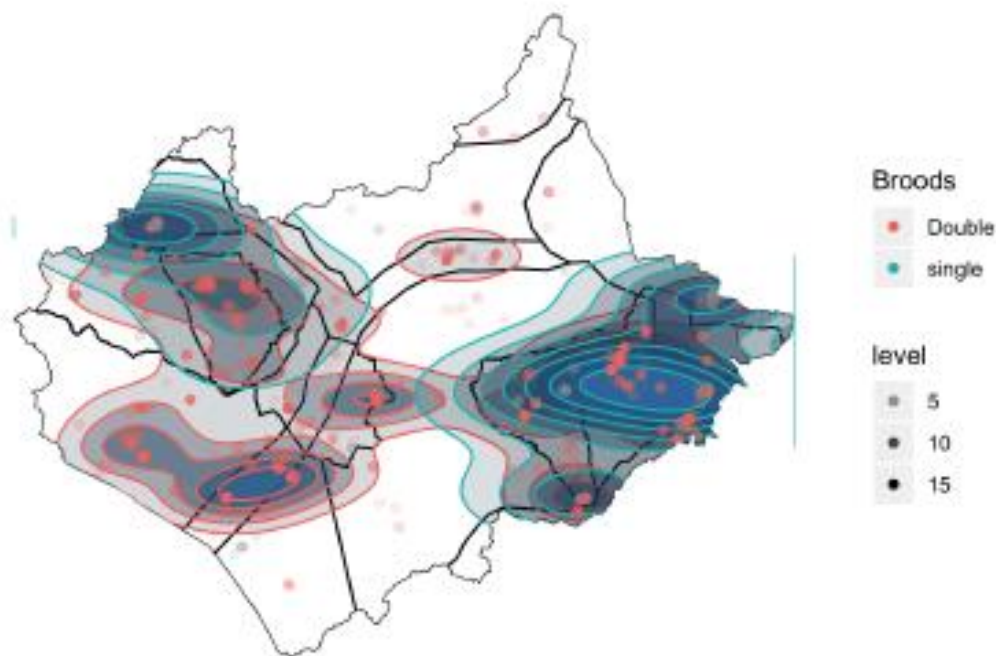


# Green Carpet (*Colostygia pectinataria*)



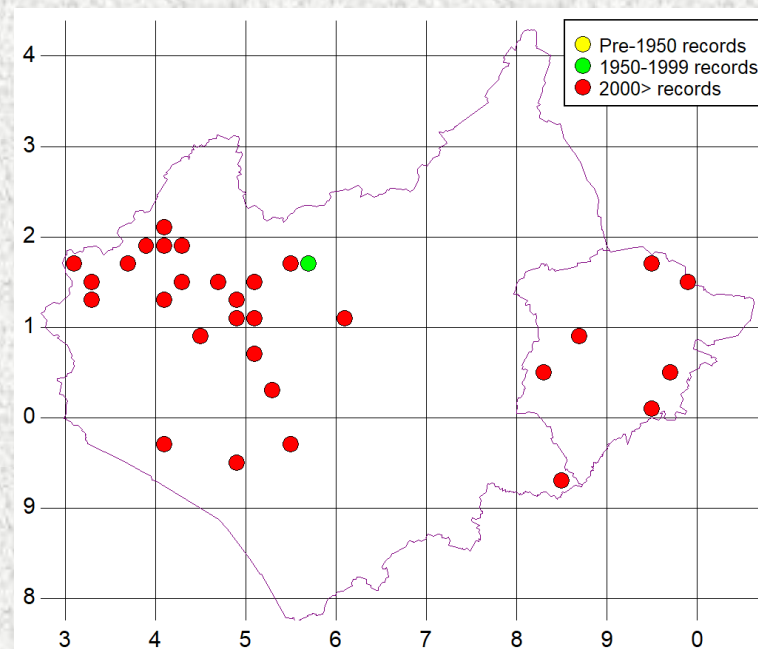
**Fig. 7** Distribution of single and double broods. There is some overlap in geospatial distributions the double brooded form of *Colostygia pectinataria* has colonised an extensive range of Leicestershire not occupied by the single brooded form.

Post 1985 data



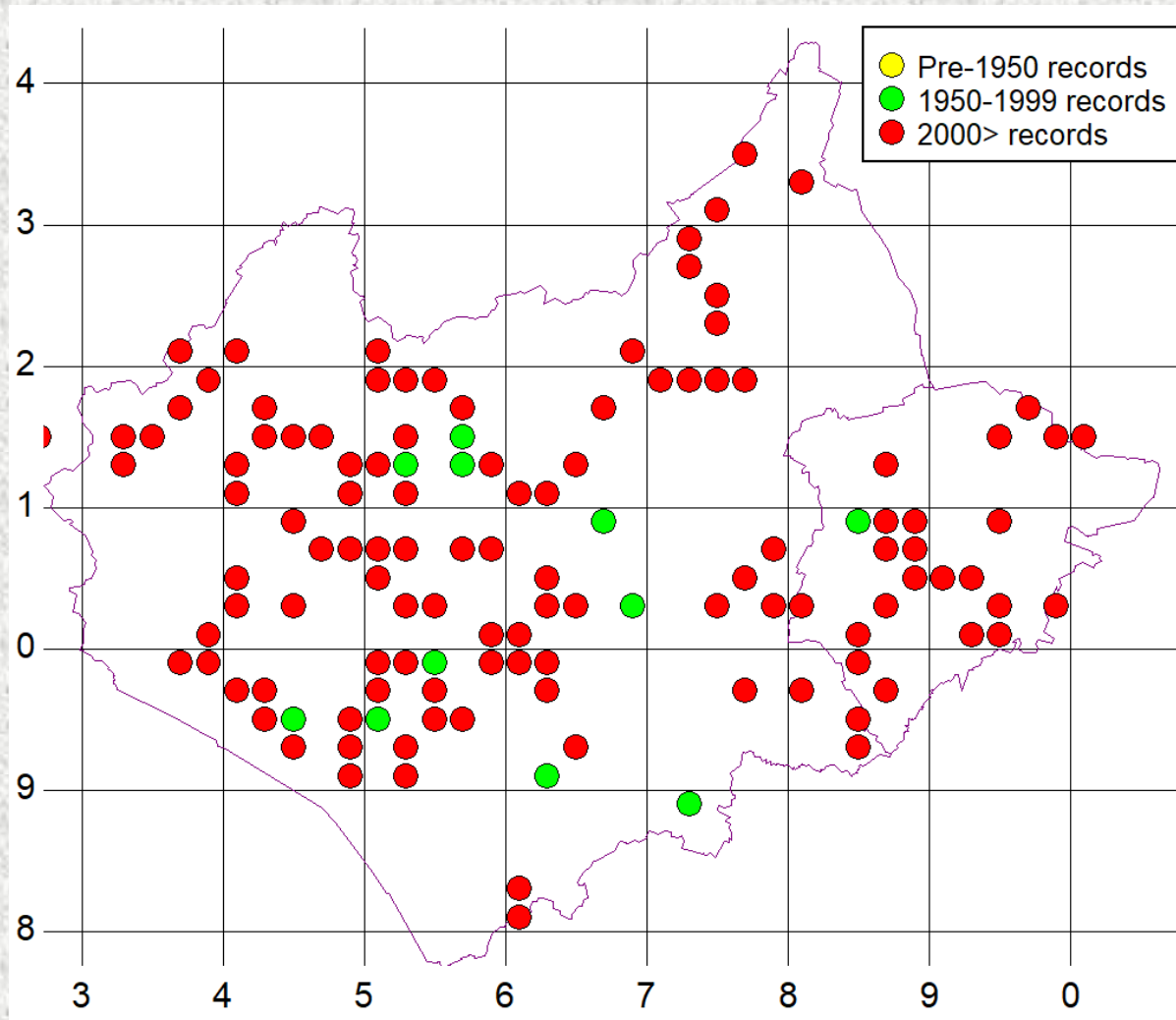


# Scallop Shell (*Rheumaptera undulata*)



19/06/2018	Cloud Wood NR	Mark H/Keith T	4
29/06/2018	Hick's Lodge, Moira	Graham Finch	11
30/06/2018	Newfields Colliery	Sean Wileman	4
04/07/2018	Hinckley Road, Dadlington	Andy Johnson	1
08/07/2018	Smithy Farm Drive, Stoney Stanton	Glenn Hicklin	1
15/07/2018	The Square, Bagworth	Sue Timms	1
16/07/2018	Grace Dieu garden	Nigel Judson	1
22/07/2018	Dubar Way, Ashby-de-la-Zouch	Sean Wileman	1

# November Moth agg. (*Epirrita dilutata* agg.)



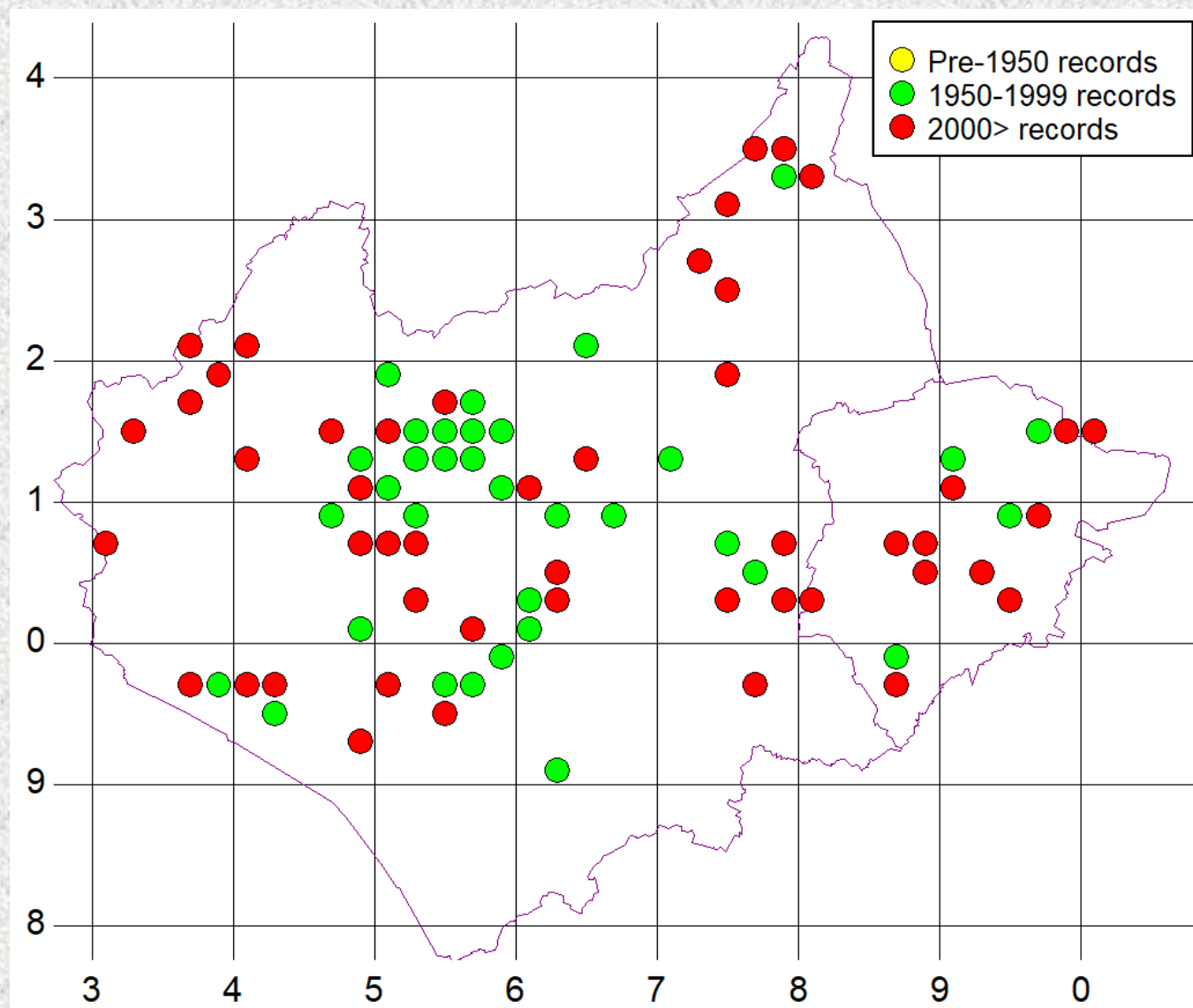
2018: 152 records of 625 moths

# November Moth (*Epirrita dilutata*)

04/10/2018	Barkestone garden	Pete Leonard	1 Gen det AJM
08/10/2018	Rutland Water NR, Lyndon Centre	Paul Bennett	1 Gen det AJM
10/10/2018	The Willows, Holwell	Pete Leonard	2 Gen det AJM
11/10/2018	Grange Farm, Plungar	Pete Leonard	2 Gen det AJM
11/10/2018	Shanklin Gardens, L.F.E.	Dave Gamble	1 gen det AJM
13/10/2018	Melton Mowbray garden	Paul Palmer	1 gen det PJP
18/10/2018	Rutland Water NR	Paul Palmer	5 gen det PJP
18/10/2018	Normanton Road, Edith Weston	Vic Arnold	1 gen det AJM
19/10/2018	Shanklin Gardens, L.F.E.	Dave Gamble	2 gen det AJM
19/10/2018	Melton Mowbray garden	Paul Palmer	1 gen det PJP
20/10/2018	Dubar Way, Ashby-de-la-Zouch	Sean Wileman	5 gen det SW
20/10/2018	Melton Mowbray garden	Paul Palmer	1 gen det PJP
21/10/2018	Ervin Way, Queniborough	John Tinning	1 gen det AJM
02/11/2018	Watsons Lane, Harby	Pete Leonard	1 Gen det AJM
04/11/2018	Shanklin Gardens, L.F.E.	Dave Gamble	1 gen det AJM
04/11/2018	Willesley Woodside	Sean Wileman	5 gen det SW
12/11/2018	Willesley Woodside	Sean Wileman	2 gen det SW

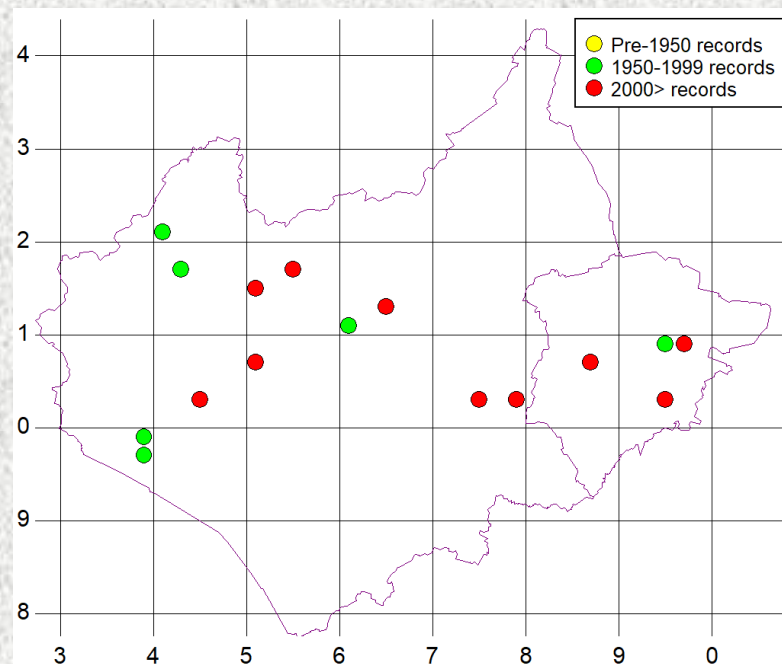
2018: 31 records of 72 moths

# November Moth (*Epirrita dilutata*)





# Pale November Moth (*Epirrita christyi*)

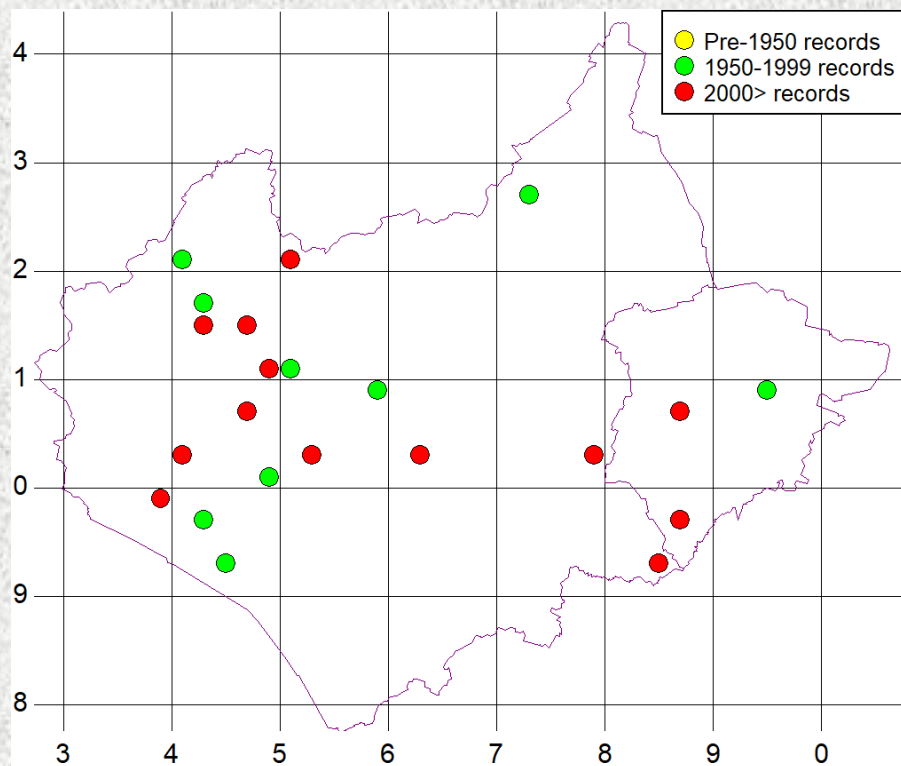


18/10/2018 Rutland Water NR

Paul Palmer

2 gen det PJP

# Autumnal Moth (*Epirrita autumnata*)



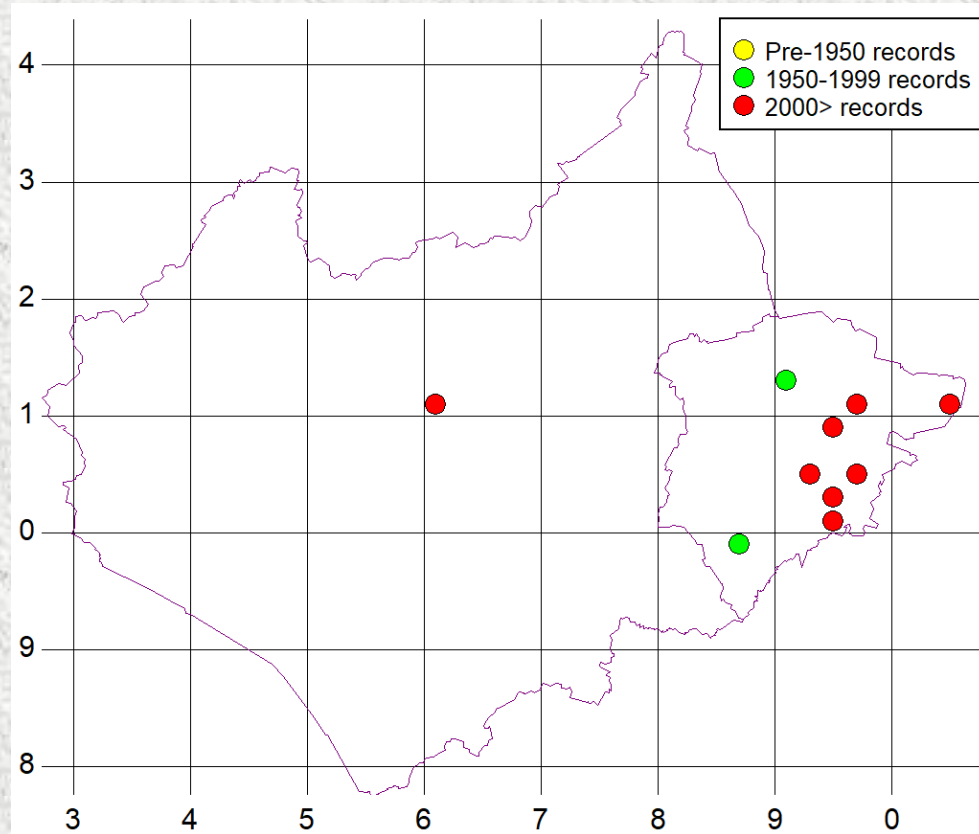
18/10/2018 Rutland Water NR

Paul Palmer

1 gen det PJP



# Netted Pug (*Eupithecia venosata*)



30/05/2018	Dovecote Close, Barrowden	Ron Follows	1
31/05/2018	Empingham shopfront	Andrew Dejardin	1
02/06/2018	Empingham garden	Andrew Dejardin	2
11/06/2018	Dovecote Close, Barrowden	Ron Follows	1

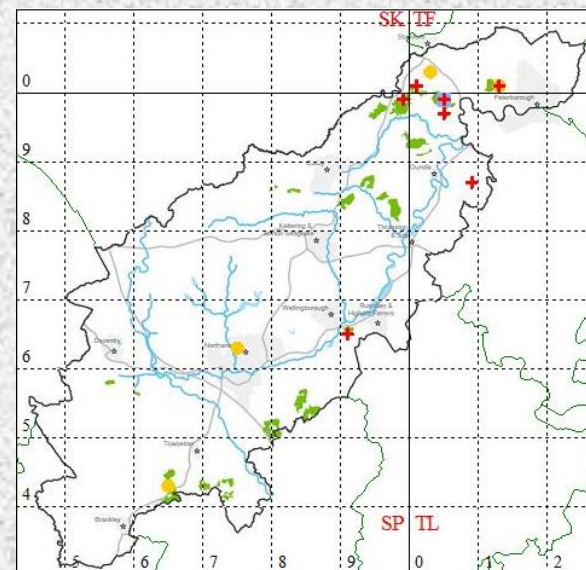
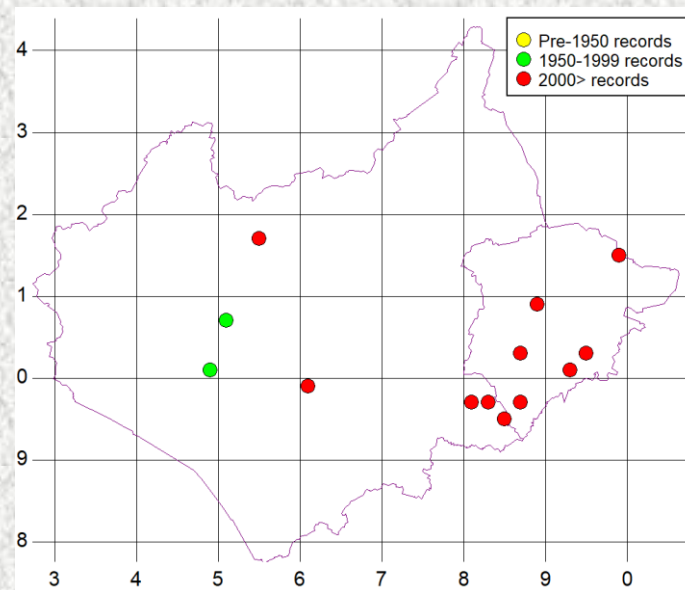


# Peacock Moth (*Macaria notata*)

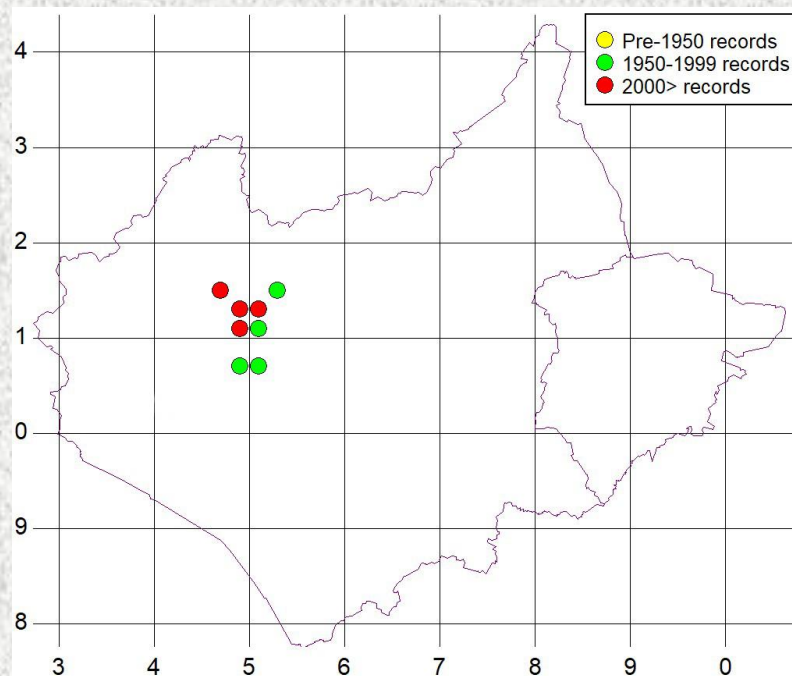


06/06/2018 Wigston Magna Rod Baker 1

Only 15 previous records,  
the last in 2014



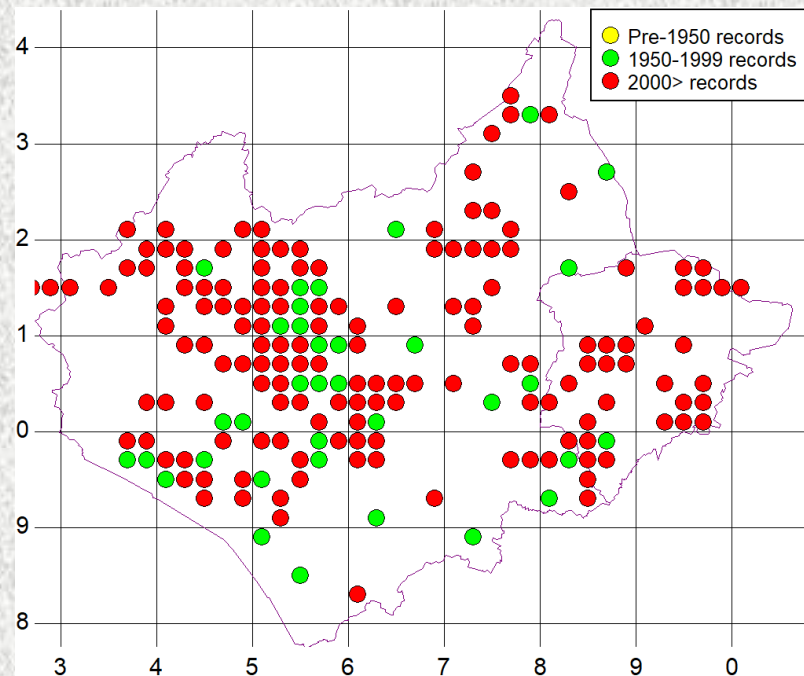
# Barred Umber (*Plagodis pulveraria*)



20/05/2018	Stoneywell Wood	Graham Finch	1
21/05/2018	Ulverscroft Priory garden	Jamie Gould	1



# Scalloped Hazel (*Odontopera bidentata*)



A fairly common species in VC55.

150 records of 213 moths in 2018 (rank 116)



# Scalloped Hazel (*Odontopera bidentata*)

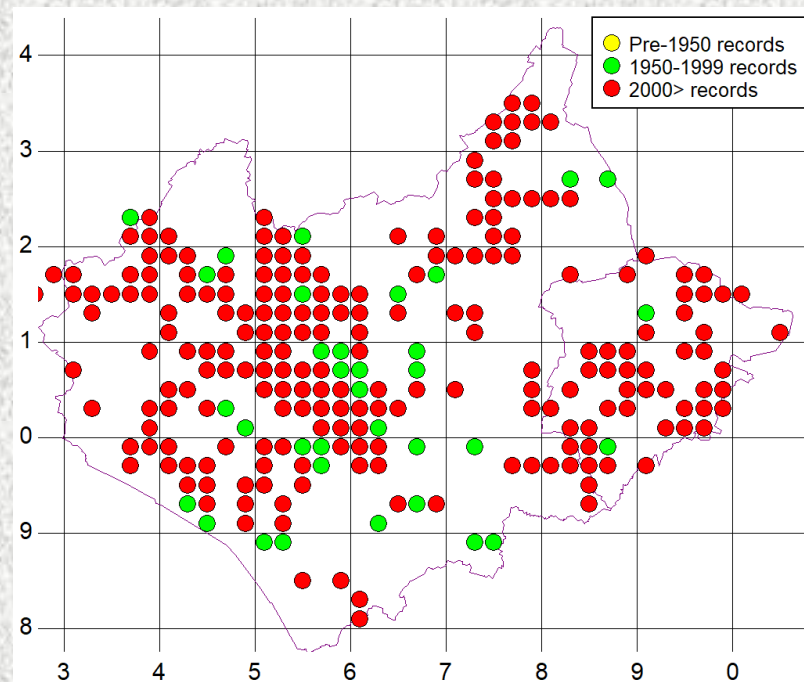


form nigra

Data from 8 recorders: 64 typical & only 2 f. nigra (**3.0%**)

Please keep counting in 2019 (and make a separate note)

# Peppered Moth (*Biston betularia*)



A fairly common species in VC55.

264 records of 397 moths in 2018 (rank 76)



# Peppered Moth (*Biston betularia*)



Typical form

186

94%



Intermediates/f. insularia

5

3%



form carbonaria

6

3%

Data provided by 23 recorders (approx. 50% of 2018 records)

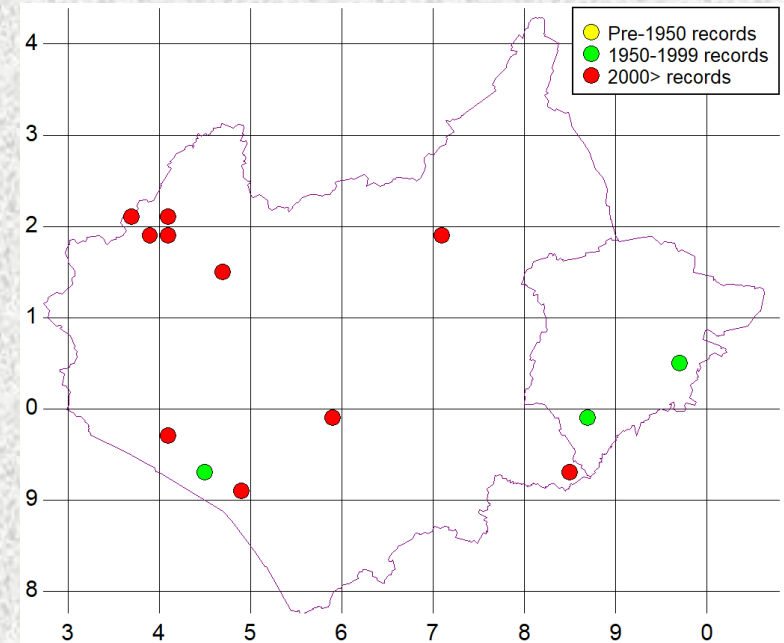
Please keep counting in 2019



## Resident Hawk-moth records (records, not moths)

	2014	2015	2016	2017	2018	Total
Elephant Hawk-moth	286	329	207	329	571	1,722
Poplar Hawk-moth	336	293	290	356	437	1,712
Privet Hawk-moth	51	51	35	47	103	287
Lime Hawk-moth	50	36	23	20	33	162
Eyed Hawk moth	31	27	21	28	28	135
Small Elephant Hawk-moth	18	12	8	20	26	84
Pine Hawk-moth	12	10	10	12	20	64
<b>Total</b>	<b>784</b>	<b>758</b>	<b>594</b>	<b>812</b>	<b>1,218</b>	<b>4,166</b>

# Alder Kitten (*Furcula bicuspis*)

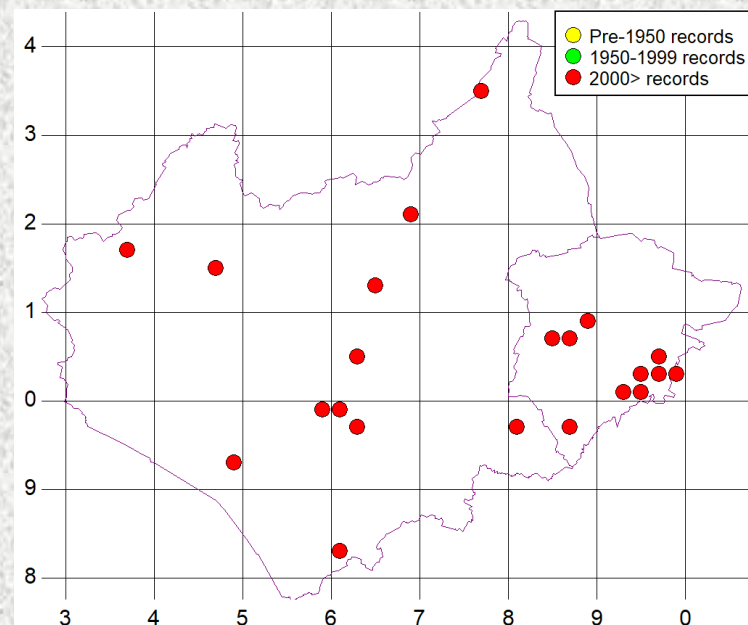


15/05/2018 Charnwood Lodge NR

Charnwood Lodge Volunteers

A rare species in VC55

# Brown-tail (*Euproctis chrysorrhoea*)



01/07/2018	Harecroft Crescent, Sapcote	Graham Calow	1
05/07/2018	Rosedale Road, Wigston Magna	Rod Baker	1
05/07/2018	Ervin Way, Queniborough	John Tinning	1
06/07/2018	Grange Farm, Plungar	Pete Leonard	8
06/07/2018	Barrowden Road, Geeston	Rob Cooke	
07/07/2018	Newton Harcourt garden	David Scott	1
07/07/2018	Morcott disused railway line	Dave Cole	1
07/07/2018	Barrowden Road, Geeston	Rob Cooke	
10/07/2018	Morcott disused railway line	Dave Cole	2
18/07/2018	The Belt, South Kilworth	Derek Spicer	2



## Brown-tail (*Euproctis chrysorrhoea*)

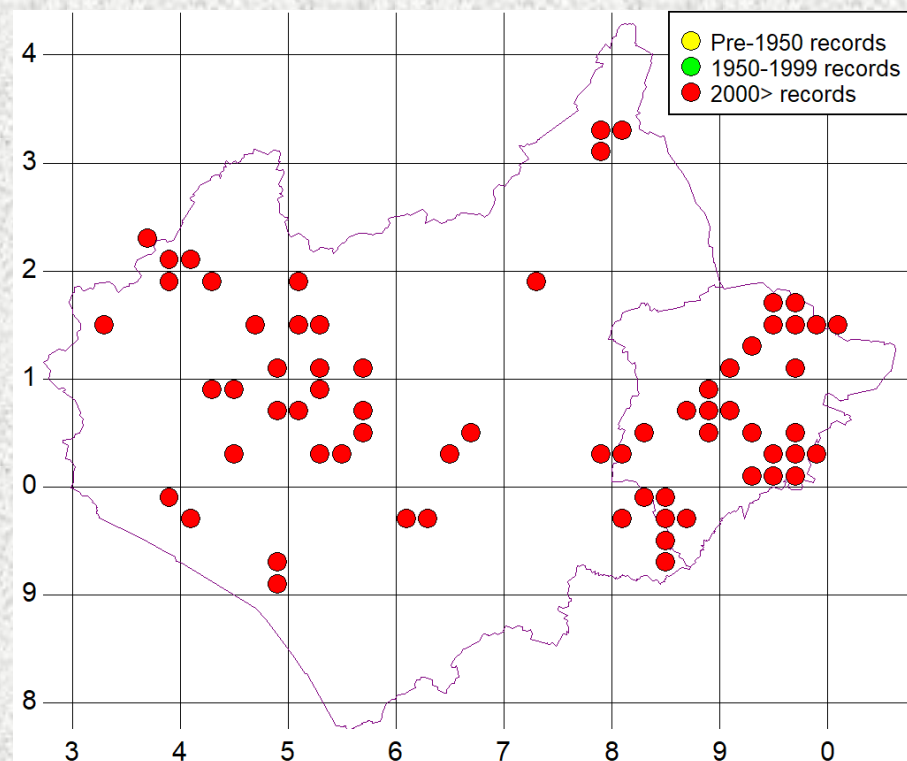


A species to keep a look out for in 2019, but take care with identification





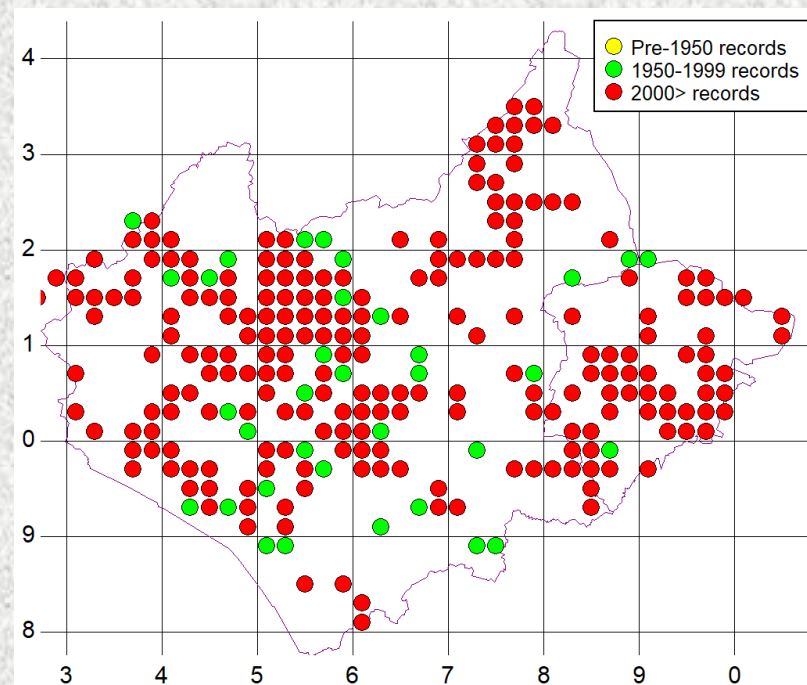
# Black Arches (*Lymantria monacha*)



56 records of 356 moths in 2018  
Now present throughout VC55,  
though not often seen in gardens



# Common Footman (*Eilema lurideola*)



590 records of 5,105 moths in 2018 (rank 23)

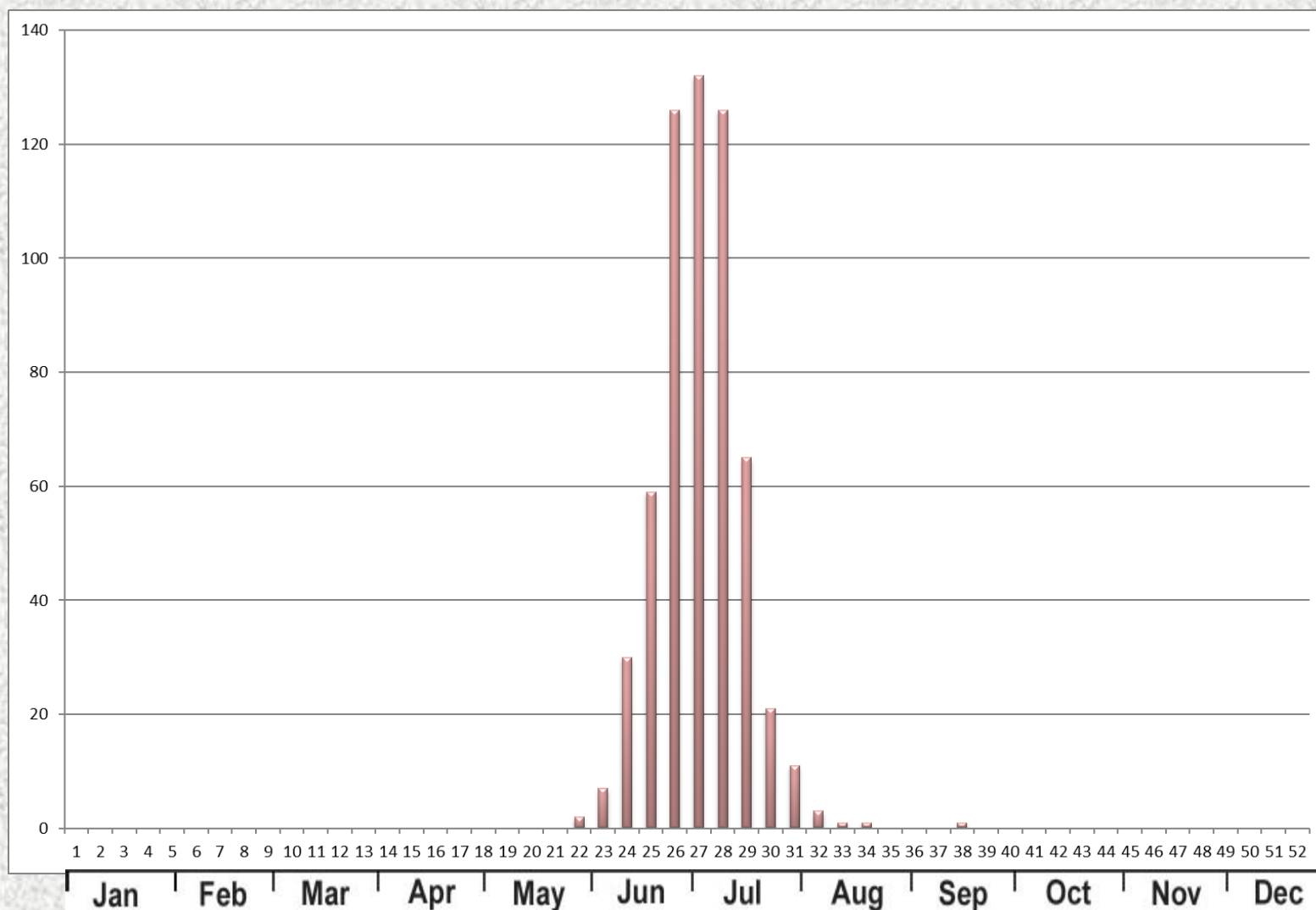
Relatively large catches in early July, e.g.

08/07/2018	Water Lane, Eastwell	Pete Leonard	138
08/07/2018	Hinckley Road, Dadlington	Andy Johnson	100
08/07/2018	Smithy Farm Drive, Stoney Stanton	Glenn Hicklin	67
08/07/2018	Rosedale Road, Wigston Magna	Rod Baker	58



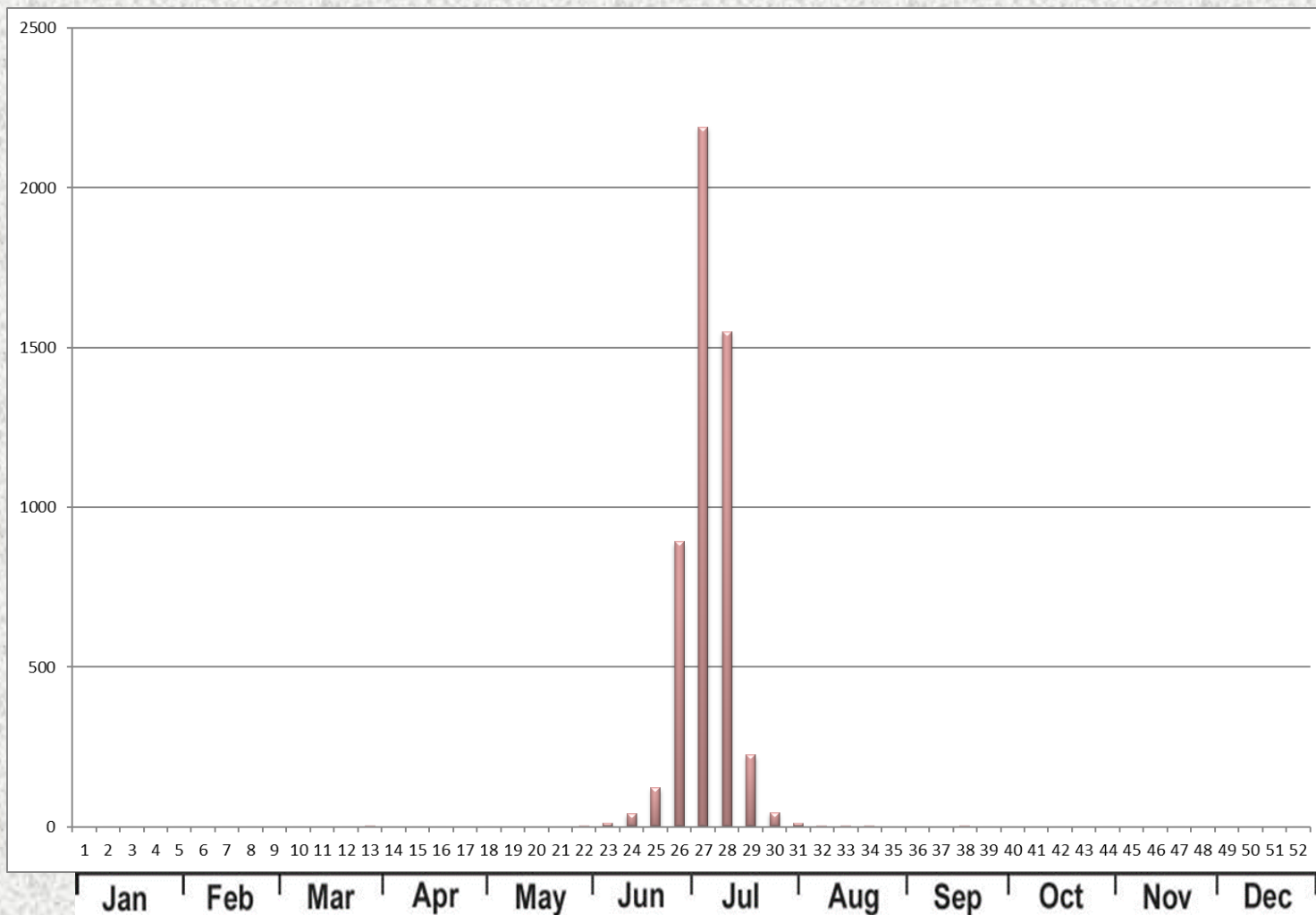
# Common Footman (*Eilema lurideola*)

2018 records:

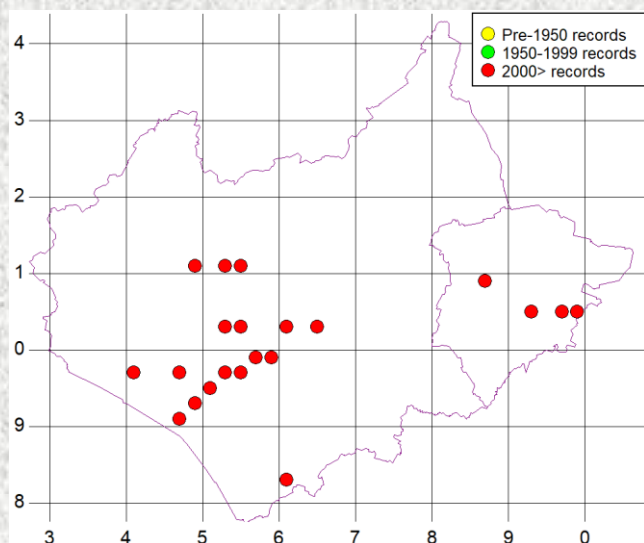


# Common Footman (*Eilema lurideola*)

2018 moths:



# Scarlet Tiger (*Callimorpha dominula*)

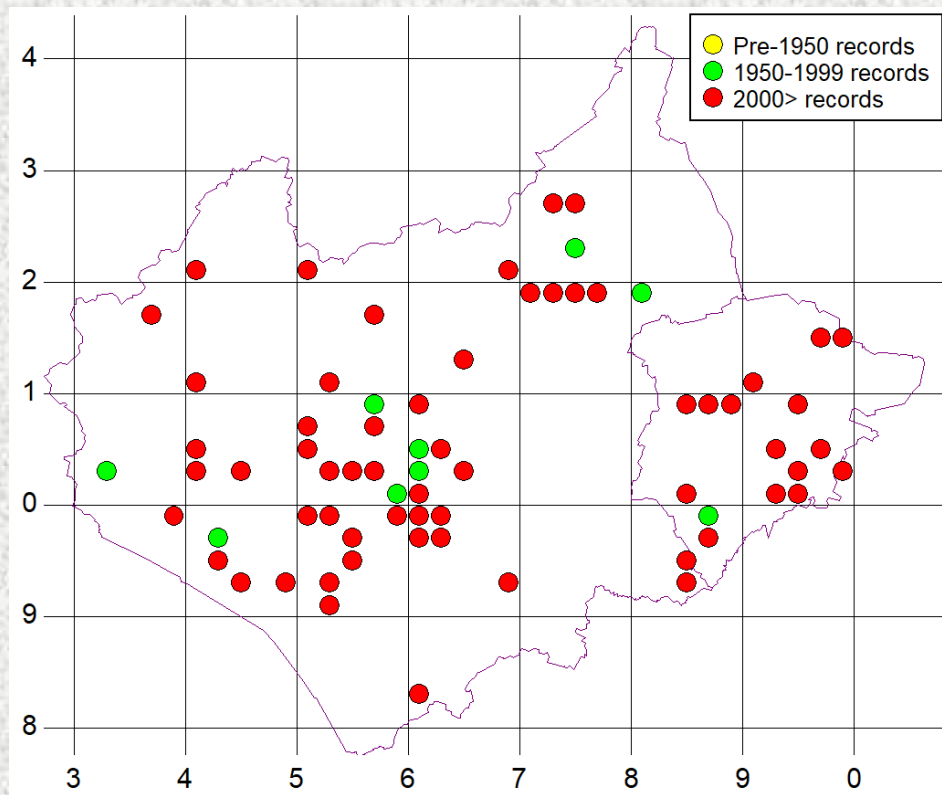


01/04/2018	Croft allotments	Sally Cunningham	8+ larvae
13/04/2018	Croft allotments	Sally Cunningham	32 larvae
23/04/2018	Edith Weston	Vic Arnold	80 larvae
01/05/2018	Edith Weston	Vic Arnold	Larvae
07/05/2018	Ketton Farm Track	Mark Skevington	Larvae on Comfrey
07/05/2018	B4114, Sharnford	Graham Calow	Larva on Comfrey
09/05/2018	Ketton	Martin Grimes	6 larvae on Comfrey
02/06/2018	Croft allotments	Sally Cunningham	2
06/06/2018	Croft allotments	Sally Cunningham	3
08/06/2018	Littlethorpe garden	Tony Fletcher	1
13/06/2018	Littlethorpe garden	Tony Fletcher	1
17/06/2018	Normanton Road, Edith Weston	Vic Arnold	1
17/06/2018	Edith Weston	Vic Arnold	16
18/06/2018	Edith Weston	Vic Arnold	several
26/06/2018	Harecroft Crescent, Sapcote	Graham Calow	1
30/06/2018	The Belt, South Kilworth	Derek Spicer	1
04/07/2018	The Belt, South Kilworth	Derek Spicer	1
06/07/2018	The Belt, South Kilworth	Derek Spicer	1
07/07/2018	Stoneywell, Ulverscroft	Peter Smith	1

Best ever year

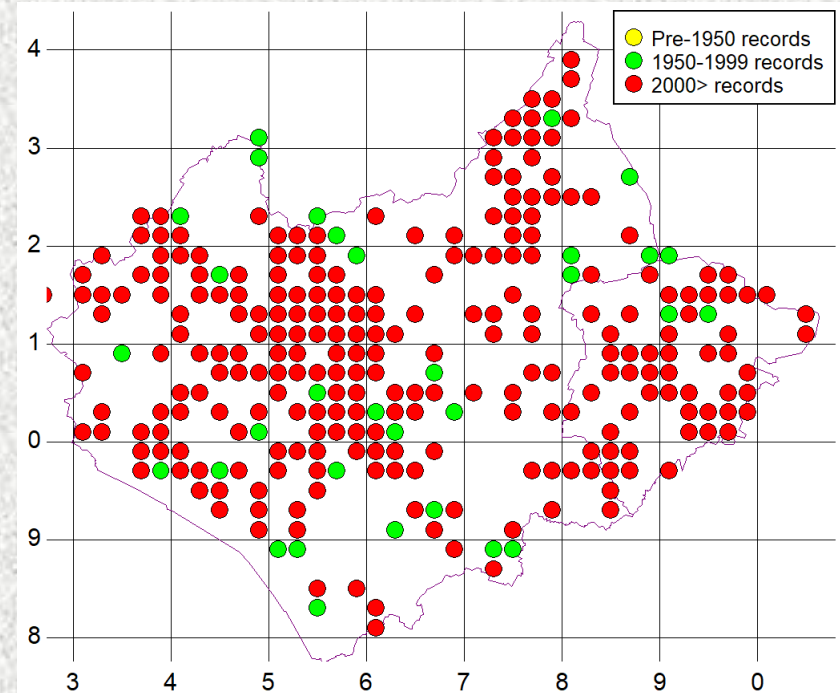


# Heart & Club (*Agrotis clavis*)



Best ever year: 90 records of 170 moths

# Setaceous Hebrew Character (*Xestia c-nigrum*)

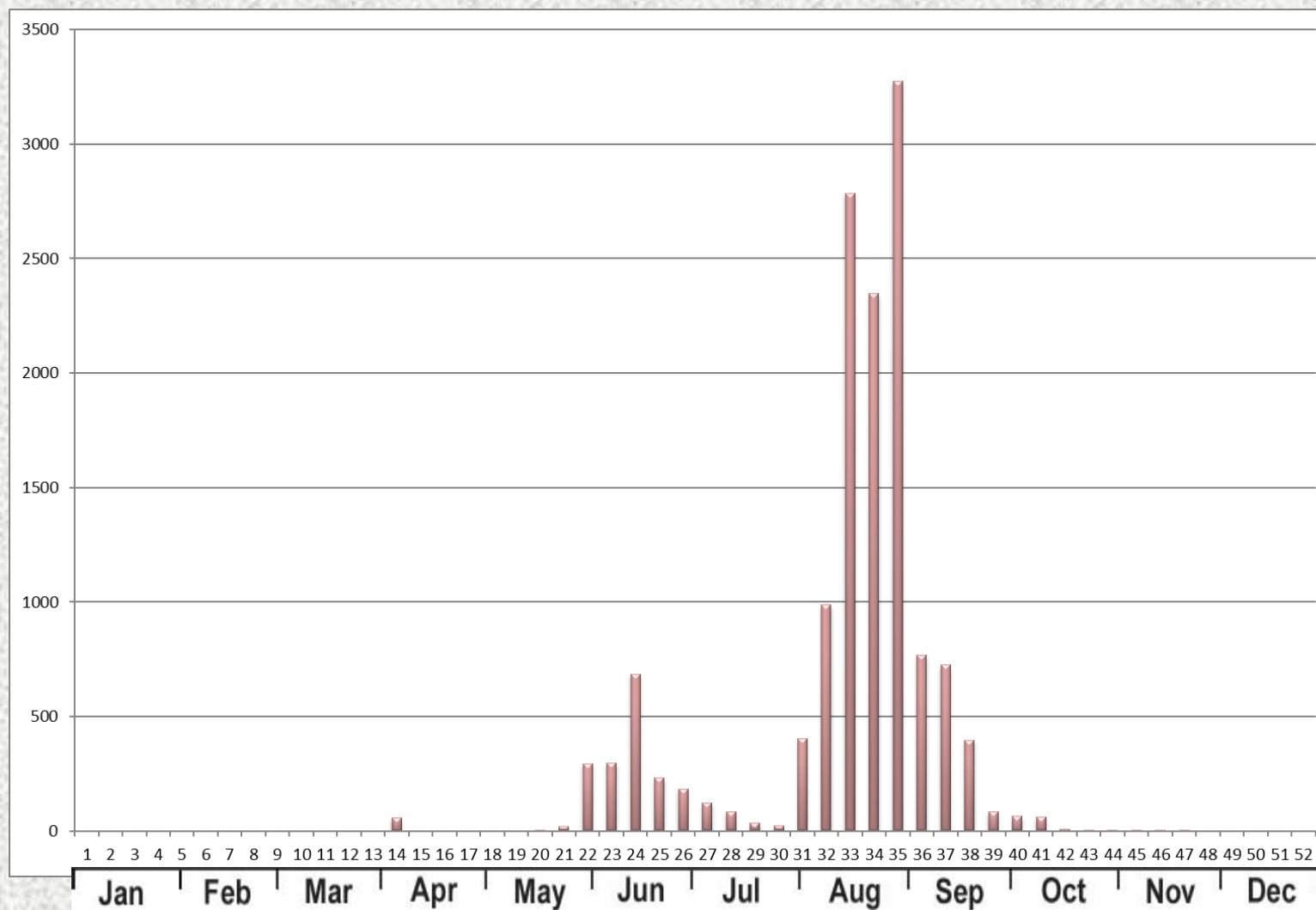


1,302 records of 13,952 moths in 2018 (rank 4)

Relatively large catches in August



# Setaceous Hebrew Character (*Xestia c-nigrum*) 2018 moths:

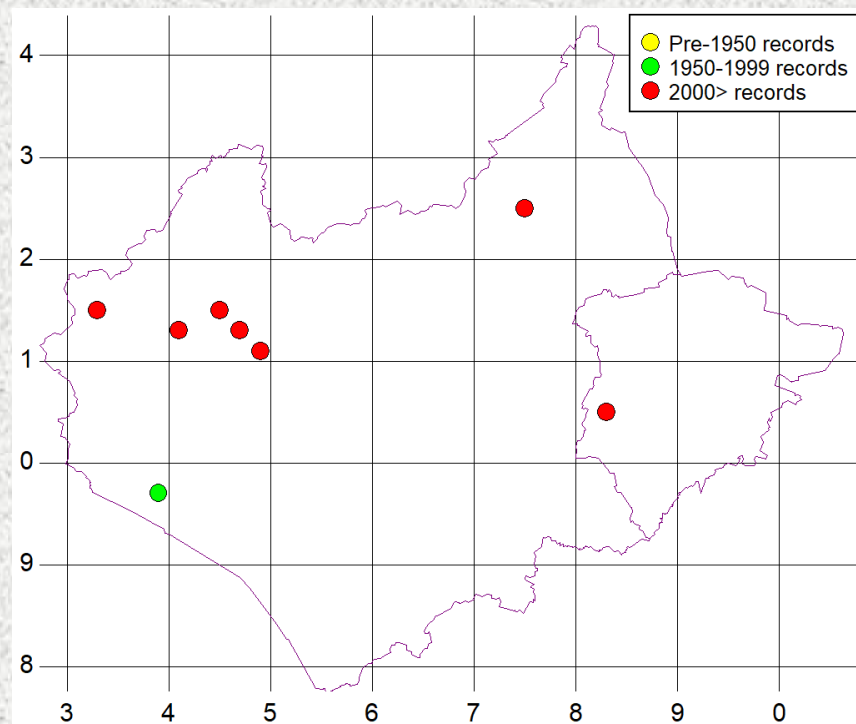




# Heath Rustic (*Xestia agathina*)



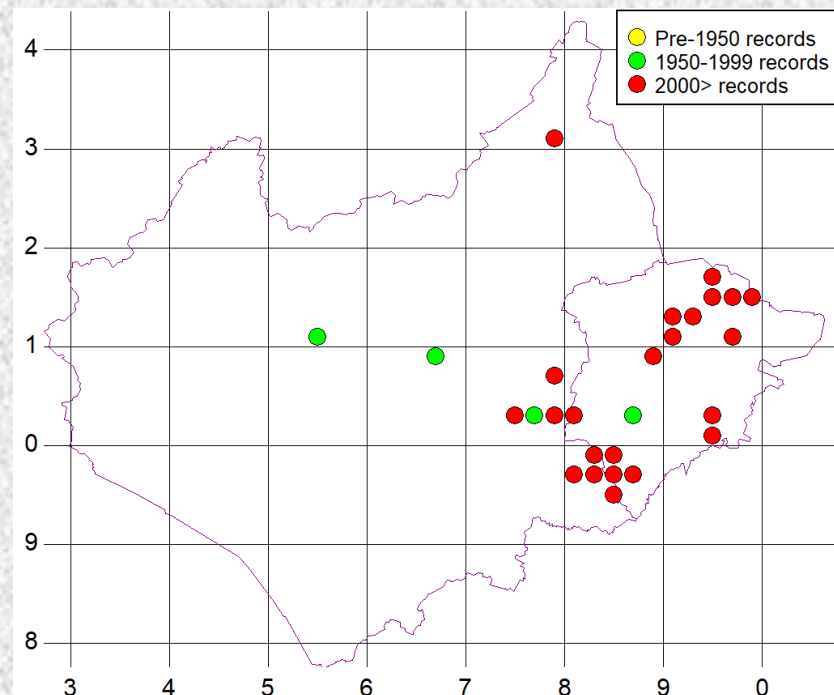
Pete Leonard



Two new sites

19/08/2018	Newfields Colliery	Sean Wileman	83
21/08/2018	The Willows, Holwell	Pete Leonard	1

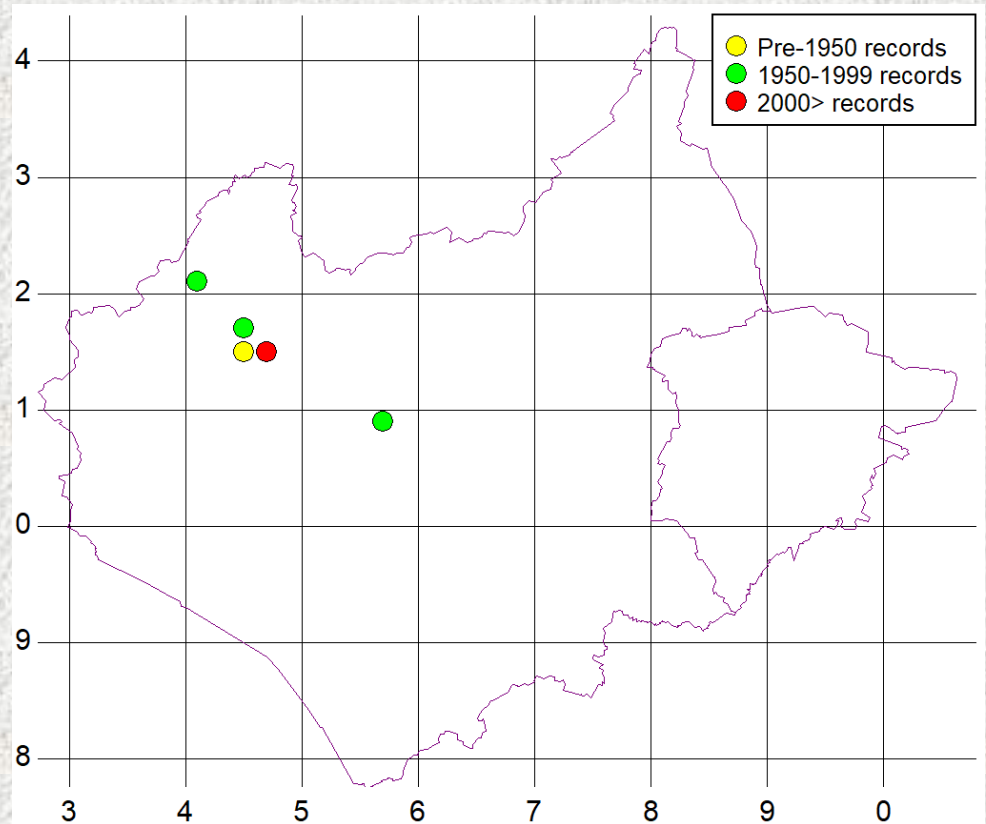
# White-marked (*Cerastis leucographa*)



06/04/2018	Cottesmore Wood	Adrian Russell	3
06/04/2018	Tunnely Wood	Adrian Russell	1
15/04/2018	Rutland Water NR, Reed Bed	Ron Follows	1
19/04/2018	Rutland Water NR, Reed Bed	Ron Follows	1
20/04/2018	Barkestone Wood	APR/ Pete Leonard	5
22/04/2018	Luffenham Heath Golf Course	Ron Follows	1



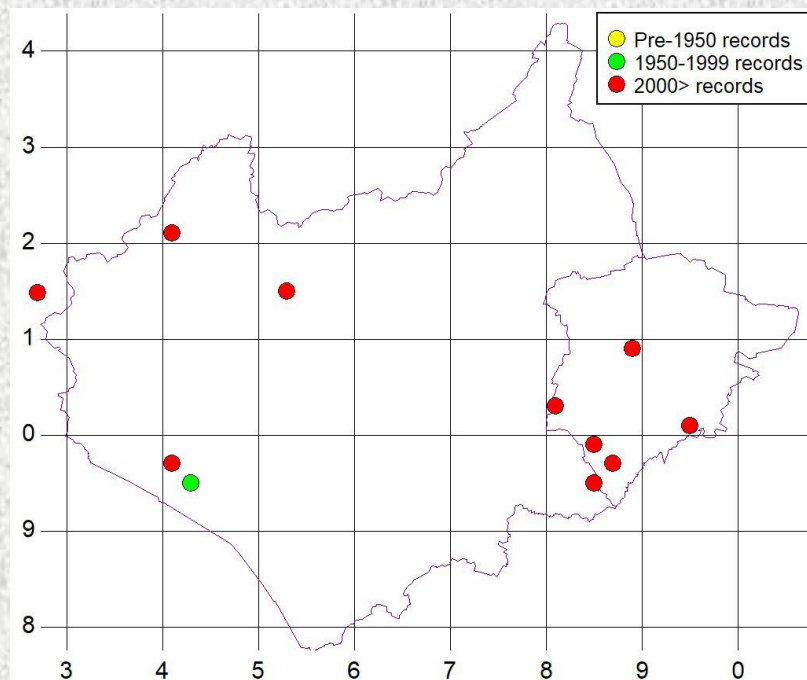
# Glaucous Shears (*Papestra biren*)



15/05/2018	Charnwood Lodge NR	Graham Finch	2
15/05/2018	Charnwood Lodge NR, Heather Field	Charnwood Lodge volunteers	1
15/05/2018	Charnwood Lodge NR, Timberwood Hill	Charnwood Lodge volunteers	5



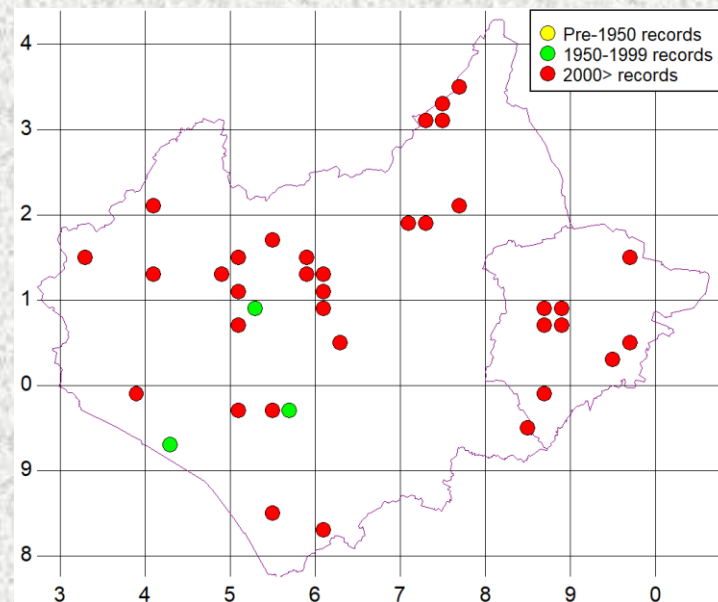
# Blossom Underwing (*Orthosia miniosa*)



07/04/2018	Rutland Water NR, Reed Bed	Ron Follows	1
16/04/2018	Dovecote Close, Barrowden	Ron Follows	1
18/04/2018	Grange Wood, Netherseal	Adrian Russell	1
18/04/2018	Eyebrook Reservoir, The Dam	Ron Follows	2
19/04/2018	Cloud Wood NR	Graham Finch	1
21/04/2018	Rutland Water NR, Reed Bed	Ron Follows	1

Two new sites in NW of VC55

# Southern Wainscot (*Mythimna straminea*)



17/06/2018	Rutland Water NR, Reed Bed	Ron Follows	1
29/06/2018	Hick's Lodge, Moira	Graham Finch	2
01/07/2018	Rutland Water NR, Reed Bed	Ron Follows	18
02/07/2018	Colston Lane, Harby	Pete Leonard	1
06/07/2018	Grange Farm, Plungar	Pete Leonard	6
15/07/2018	Rutland Water NR, Reed Bed	Ron Follows	59
31/07/2018	Rutland Water NR, Reed Bed	Ron Follows	79
14/08/2018	Rutland Water NR, Reed Bed	Ron Follows	8
17/08/2018	Rutland Water NR, Reed Bed	Adrian Russell	1
18/08/2018	Rutland Water NR, Reed Bed	Adrian Russell	1
27/08/2018	Rutland Water NR, Reed Bed	Ron Follows	1



# Toadflax Brocade (*Calophasia lunula*)

First for VC55

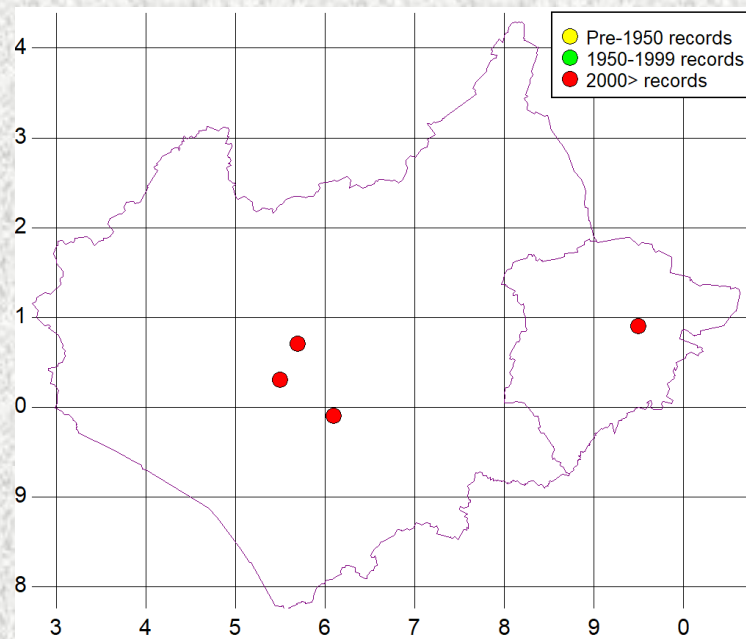


29/05/2018	Evelyn Road, Braunstone	Leonard Holton	1
09/06/2018	Cheltenham Road, Leicester	Gary Freestone	1
12/07/2018	Rosedale Road, Wigston Magna	Rod Baker	1



# Toadflax Brocade (*Calophasia lunula*)

First For VC55



29/05/2018	Evelyn Road, Braunstone	Leonard Holton	1
09/06/2018	Cheltenham Road, Leicester	Gary Freestone	1
12/07/2018	Rosedale Road, Wigston Magna	Rod Baker	1
25/08/2018	Empingham garden	Andrew Dejardin	2 larvae on Purple Toadflax
26/08/2018	Empingham garden	Andrew Dejardin	3 larvae on Purple Toadflax

# Toadflax Brocade (*Calophasia lunula*)

First For VC55

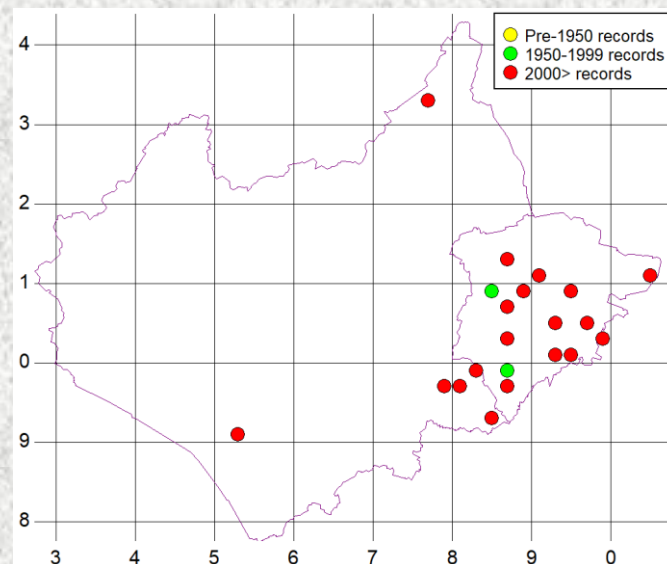


Look out for  
larvae on  
Common &  
Purple Toadflax





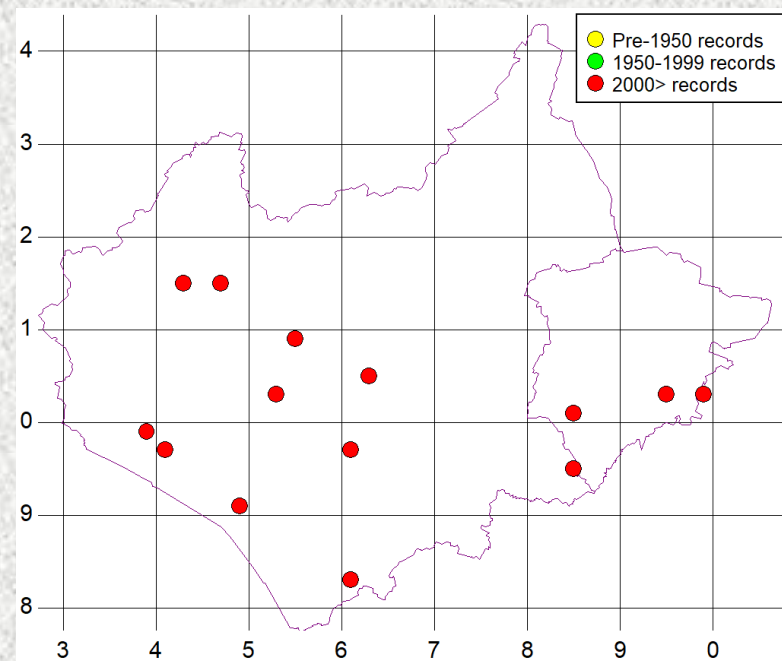
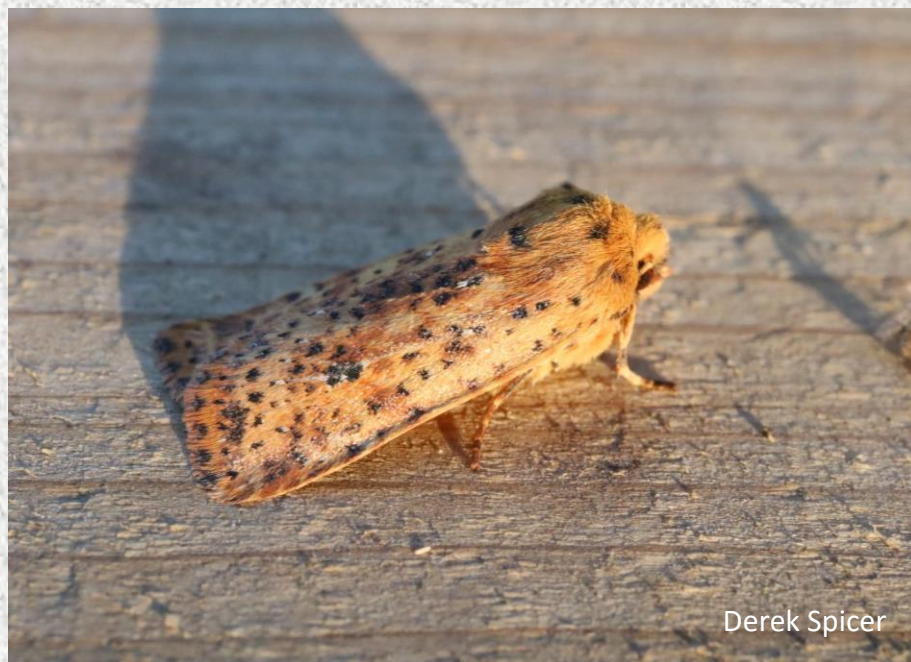
# Large Ranunculus (*Polymixis flavicincta*)



16/09/2018	Eyebrook Reservoir, near Stockerston	Annie Smith	1
17/09/2018	Empingham garden	Andrew Dejardin	1
18/09/2018	Dovecote Close, Barrowden	Ron Follows	2
25/09/2018	Dovecote Close, Barrowden	Ron Follows	1
26/09/2018	Dovecote Close, Barrowden	Ron Follows	1
26/09/2018	Empingham garden	Andrew Dejardin	1
27/09/2018	Dovecote Close, Barrowden	Ron Follows	4
03/10/2018	Frog Lane, Plungar	Pete Leonard	1
10/10/2018	4 Clarkesdale, Great Easton	Jean Harvey	1
11/10/2018	Barrowden Road, Geeston	Rob Cooke	



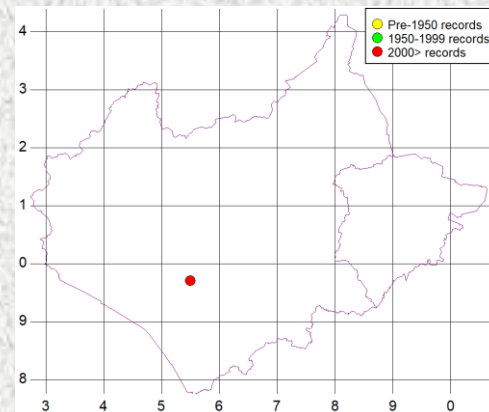
# Dotted Chestnut (*Conistra rubiginea*)



06/04/2018	Luffenham Heath Golf Course	Ron Follows	1
06/04/2018	Barrowden Road, Geeston	Rob Cooke	
06/04/2018	The Belt, South Kilworth	Derek Spicer	1
17/04/2018	Hinckley Road, Dadlington	Andy Johnson	1
19/04/2018	Hayes Close, Whitwick	Margaret McLoughlin	1
21/04/2018	Rosebery Road, Anstey	Richard Penson	1
22/04/2018	Luffenham Heath Golf Course	Ron Follows	1

# Tree-lichen Beauty (Cryphia algae)

First for VC55

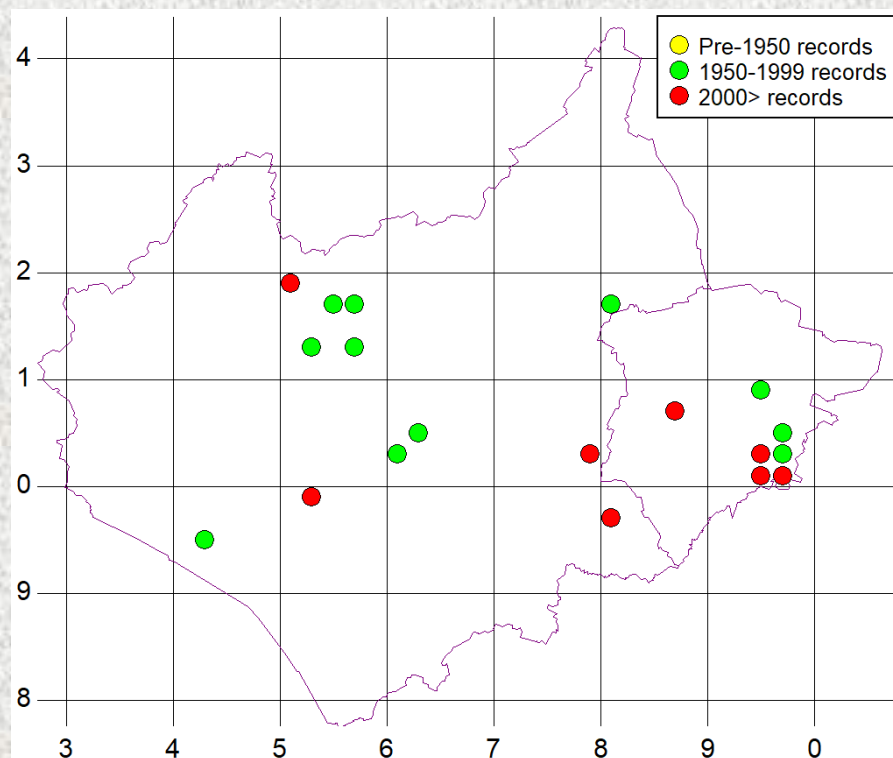


03/08/2018 Cosby Road, Littlethorpe

Michael Lester 1



# Lesser-spotted Pinion (*Cosmia affinis*)



A rare moth in VC55. Only one other record in the last 13 years

18/07/2018	Luffenham Heath Golf Course	Ron Follows	1
26/07/2018	Grassholme Drive, Loughborough	Dave Robinson	1
30/07/2018	Kipling Drive, Enderby	Raita Hayes	1
02/08/2018	Grassholme Drive, Loughborough	Dave Robinson	1



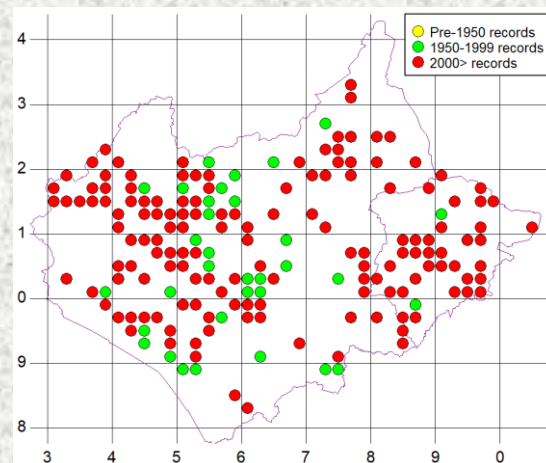
# Clouded-bordered Brindle (*Apamea crenata*)



Typical form



*f. combusta*

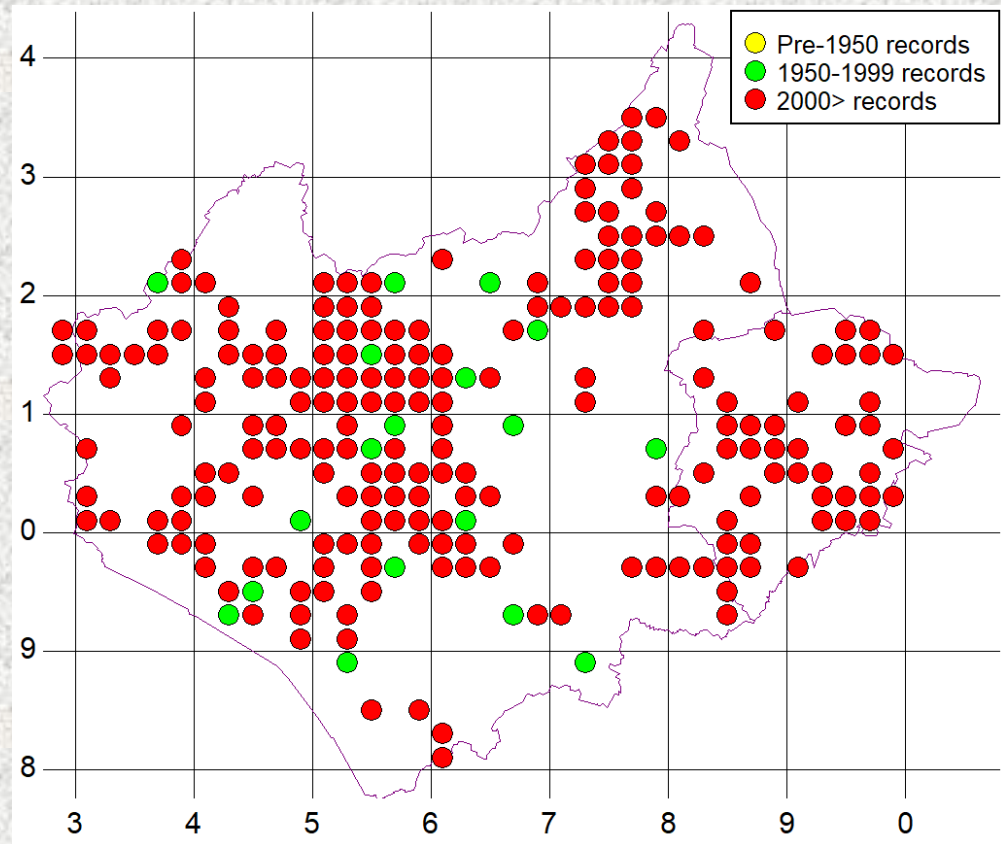


- Although I would describe this as a fairly common species in VC55, in 2018 there were only 78 records of 163 moths (rank 163).
- We currently have no data on the frequency of *f. combusta*. Please keep a note in 2019.

# Marbled Minor agg.

Marbled Minor, Rufous Minor and Tawny Marbled Minor can only be reliably identified by dissection of the genitalia. Without this, they have to be recorded as “Marbled Minor agg.”

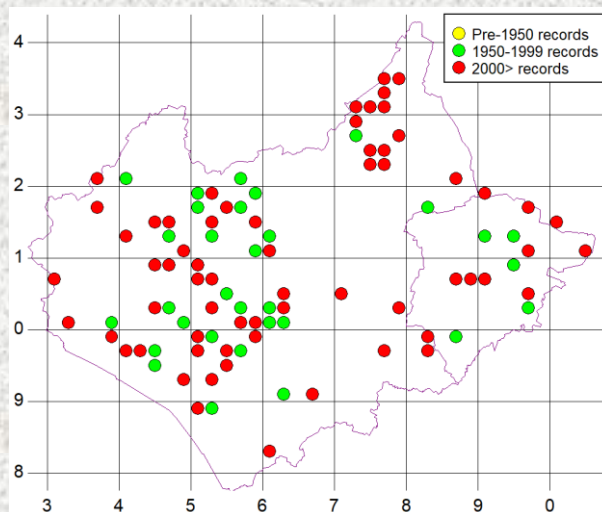
Last year's meeting highlighted the fact that we have relatively dissection-based records of these species. Recorders were therefor asked to retain a few specimens for dissection, so as to better help us understand the status and distribution of these three species.



A total of 71 specimens were retained and dissected with the help of volunteers



# Marbled Minor (*Oligia strigilis*)

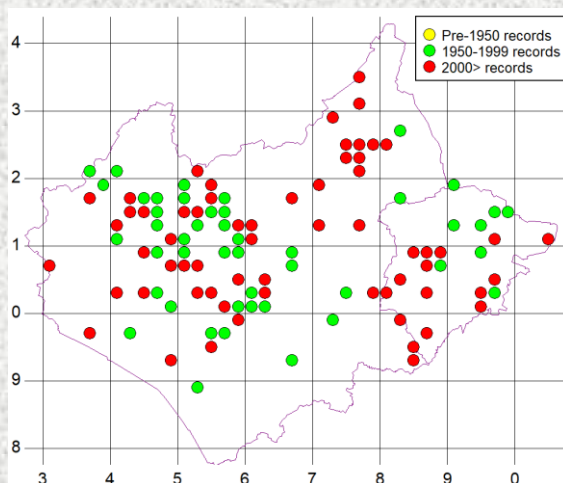


Of the 71 dissected, 36 (50%)  
proved to be Marbled Minors

27/05/2018	Shanklin Gardens, Leicester Forest East	Dave Gamble
28/05/2018	Coronation Avenue, Broughton Astley	Kirsty & Richard Gamble
28/05/2018	Shanklin Gardens, Leicester Forest East	Dave Gamble
30/05/2018	Watsons Lane, Harby	Pete Leonard
31/05/2018	The Square, Bagworth	Sue Timms
31/05/2018	Frog Lane, Plungar	Pete Leonard
01/06/2018	Grange Farm, Plungar	Pete Leonard
03/06/2018	Croft Road, Thurlaston	Ted Gaten
04/06/2018	Overdale Road, Leicester	Alan Cann
07/06/2018	Shanklin Gardens, Leicester Forest East	Dave Gamble
08/06/2018	Goadby Marwood garden	Pete Leonard
08/06/2018	Beacon Hill CP, Native Tree Plantation	Graham Finch
09/06/2018	Colston Lane, Harby	Pete Leonard
09/06/2018	Colston Lane, Harby	Pete Leonard
11/06/2018	Wycomb garden	Pete Leonard
12/06/2018	Cosby Road, Littlethorpe	Michael Lester
12/06/2018	Scalford garden	Pete Leonard
12/06/2018	Scalford garden	Pete Leonard
13/06/2018	The Willows, Holwell	Pete Leonard
13/06/2018	The Willows, Holwell	Pete Leonard
17/06/2018	Stathern garden	Pete Leonard
18/06/2018	Goldsmith Grange, Scalford	Pete Leonard
19/06/2018	Croft Road, Thurlaston	Ted Gaten
26/06/2018	Barkestone garden	Pete Leonard
29/06/2018	Frog Lane, Plungar	Pete Leonard
30/06/2018	Hose garden	Pete Leonard
02/07/2018	5 Drome Close, Coalville	Stuart Moffat
09/07/2018	Dubar Way, Ashby-de-la-Zouch	Sean Wileman
12/07/2018	Allerton Estate, Loddington	Graham Finch
14/07/2018	Bridge House, Hose	Pete Leonard



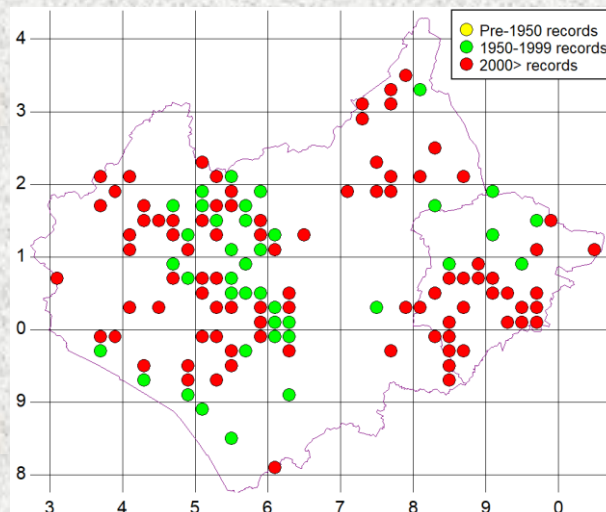
# Rufous Minor (*Oligia versicolor*)



Of the 71 dissected, 17 (24%)  
proved to be Rufous Minors

09/06/2018	Pintail Close, Whetstone	Mark Skevington
10/06/2018	The Square, Bagworth	Sue Timms
12/06/2018	Scalford garden	Pete Leonard
14/06/2018	Chadwell garden, Scalford	Pete Leonard
16/06/2018	Hose garden	Pete Leonard
17/06/2018	Stathern garden	Pete Leonard
18/06/2018	Goldsmith Grange, Scalford	Pete Leonard
19/06/2018	Harecroft Crescent, Sapcote	Graham Calow
25/06/2018	Harecroft Crescent, Sapcote	Graham Calow
30/06/2018	Hose garden	Pete Leonard
02/07/2018	Drome Close, Coalville	Stuart Moffat
06/07/2018	Grange Farm, Plungar	Pete Leonard
08/07/2018	St Swithins Road, Leicester	Adrian Russell
13/07/2018	The Willows, Holwell	Pete Leonard
14/07/2018	Bridge House, Hose	Pete Leonard
18/07/2018	Harecroft Crescent, Sapcote	Graham Calow
21/07/2018	Hayes Close, Whitwick	Margaret McLoughlin

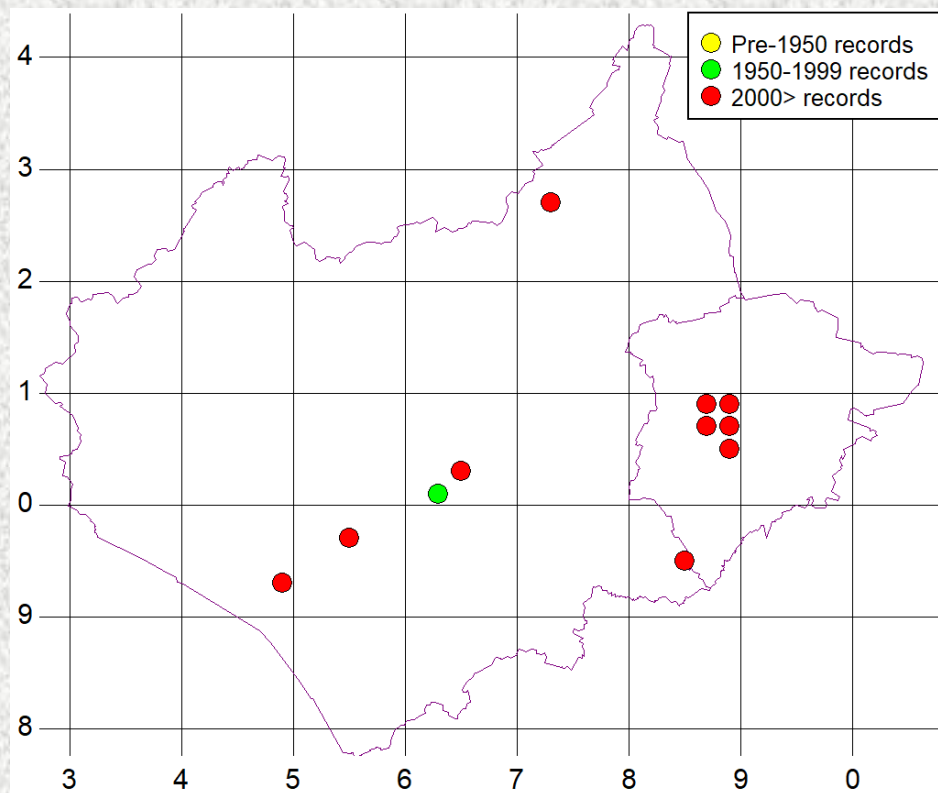
# Tawny Marbled Minor (*Oligia latruncula*)



Of the 71 dissected, 18 (26%)  
proved to be Tawny Marbled  
Minors

27/05/2018	Shanklin Gardens, L.F.E.	Dave Gamble
28/05/2018	Coronation Avenue, B. Astley	K & R Gamble
31/05/2018	Croft Road, Thurlaston	Ted Gaten
31/05/2018	Frog Lane, Plungar	Pete Leonard
02/06/2018	Croft Road, Thurlaston	Ted Gaten
07/06/2018	Overdale Road, Leicester	Alan Cann
07/06/2018	Shanklin Gardens, L.F.E.	Dave Gamble
09/06/2018	Colston Lane, Harby	Pete Leonard
16/06/2018	Hose garden	Pete Leonard
18/06/2018	Overdale Road, Leicester	Alan Cann
26/06/2018	Barkestone garden	Pete Leonard
02/07/2018	Drome Close, Coalville	Stuart Moffat
07/07/2018	Melton Mowbray garden	Paul Palmer
07/07/2018	Melton Mowbray garden	Paul Palmer
28/08/2018	Melton Mowbray garden	Paul Palmer

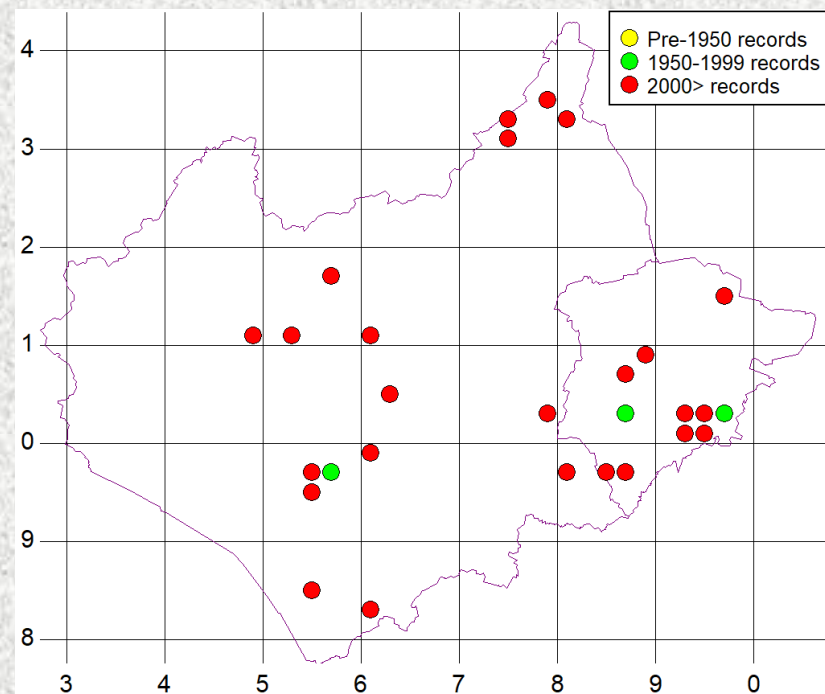
# Webb's Wainscot (*Archanara sparganii*)



15/07/2018	Rutland Water NR, Reed Bed	Ron Follows	1
31/07/2018	Delaware Road, Leicester	Andy Mackay	1
31/07/2018	Rutland Water NR, Reed Bed	Ron Follows	1
03/08/2018	Rutland Water NR, r/o lagoon 2	Paul Palmer	1
12/08/2018	Long Clawson	Barbara Cooper	1

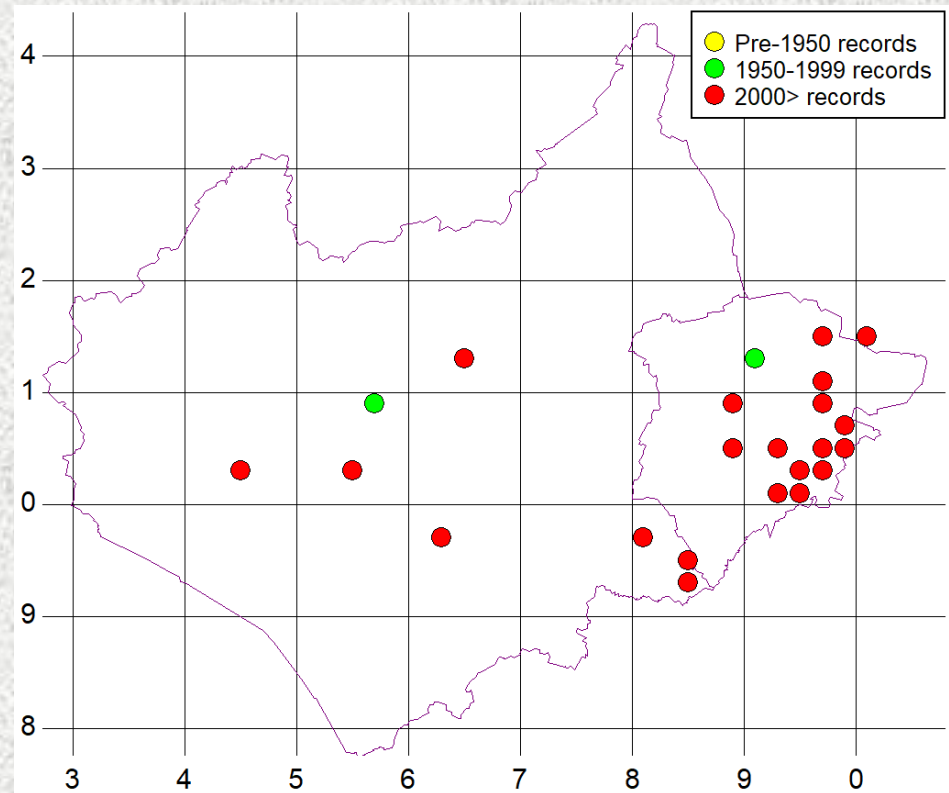


# Fen Wainscot (*Arenostola phragmitidis*)



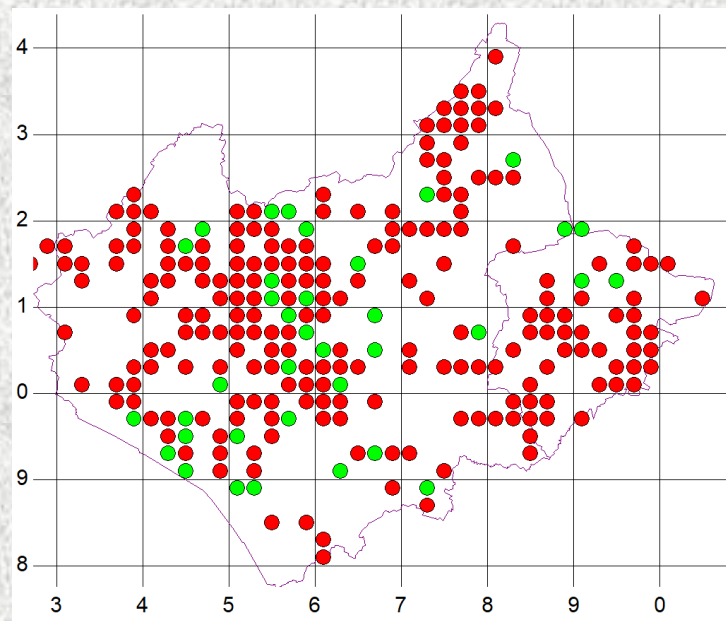
14/07/2018	Rosedale Road, Wigston Magna	Rod Baker	1
15/07/2018	Barkestone garden	Pete Leonard	2
18/07/2018	Luffenham Heath Golf Course	Ron Follows	1
19/07/2018	Morcott	Dave Cole	1
22/07/2018	St Swithins Road, Leicester	Adrian Russell	1
03/08/2018	The Belt, South Kilworth	Derek Spicer	1

# Bordered Sallow (*Pyrrhia umbra*)



26/06/2018	Rutland Water NR, Lyndon Centre	Paul Bennett	1
03/07/2018	Rutland Water NR, Lyndon Centre	Paul Bennett	2
07/07/2018	Newton Harcourt garden	David Scott	1
10/07/2018	Rutland Water NR, Lyndon Centre	Paul Bennett	1
15/07/2018	Rutland Water NR, Lyndon Centre	Paul Bennett	1

# Burnished Brass (*Diachrysia chrysitis*)



A common species in VC55

2018: 299 records of 546 moths (rank 65)



## Burnished Brass (*Diachrysia chrysitis*)



Form aurea

79

42%



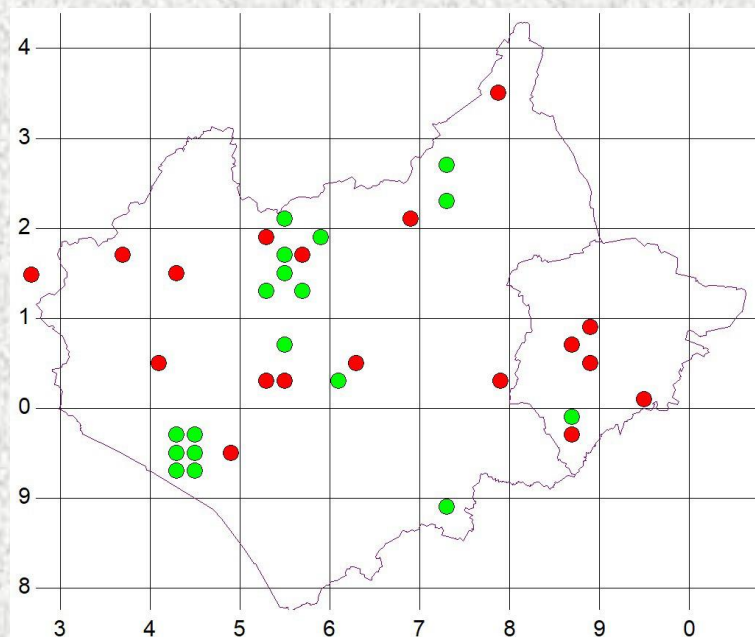
Form tutti/juncta

108

58%

- Analysis of 187 moths caught by 20 recorders
- Worth continuing counts in 2019 to improve data

# Dark Spectacle (*Abrostola triplasia*)



02/06/2018	Beacon Avenue, Loughborough	Steve Blandford	3
07/06/2018	Beacon Avenue, Loughborough	Steve Blandford	2
10/07/2018	Smithy Farm Drive, Stoney Stanton	Glenn Hicklin	1
12/07/2018	St Swithins Road, Leicester	Adrian Russell	1
14/07/2018	Dovecote Close, Barrowden	Ron Follows	1
15/07/2018	Rutland Water NR, Reed Bed	Ron Follows	1
19/07/2018	Hayes Close, Whitwick	Margaret McLoughlin	1
04/10/2018	Barkestone garden	Pete Leonard	1



## Spectacle

2018 Records:  
450 records of 630 moths



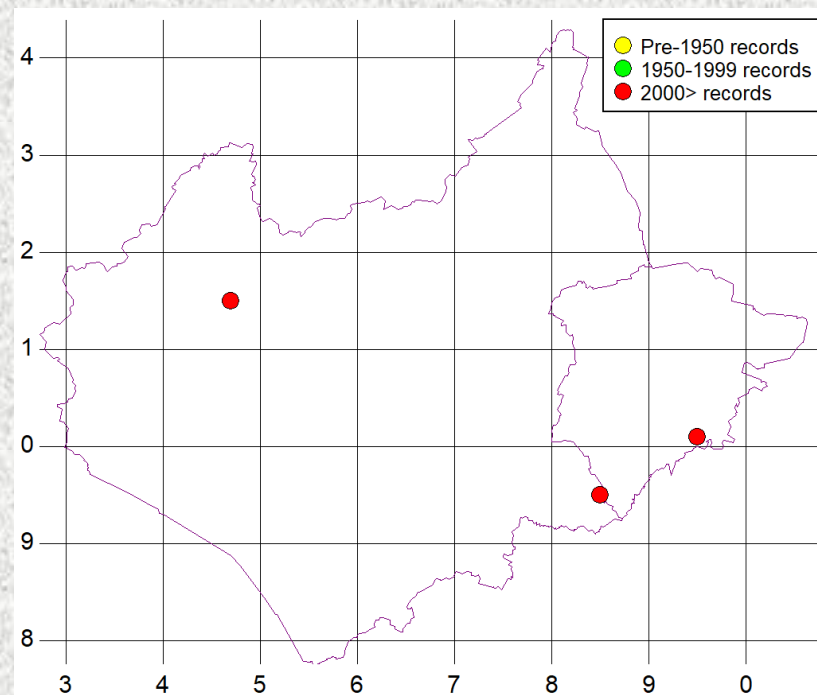
## Dark Spectacle

2018 Records:  
8 records of 11 moths





# Beautiful Snout (*Hypena crassalis*)



19/06/2018 Charnwood Lodge NR

Graham Finch

5

# Migrant Moths in 2018



# Dewick's Plusia (*Macdunnoughia confusa*)

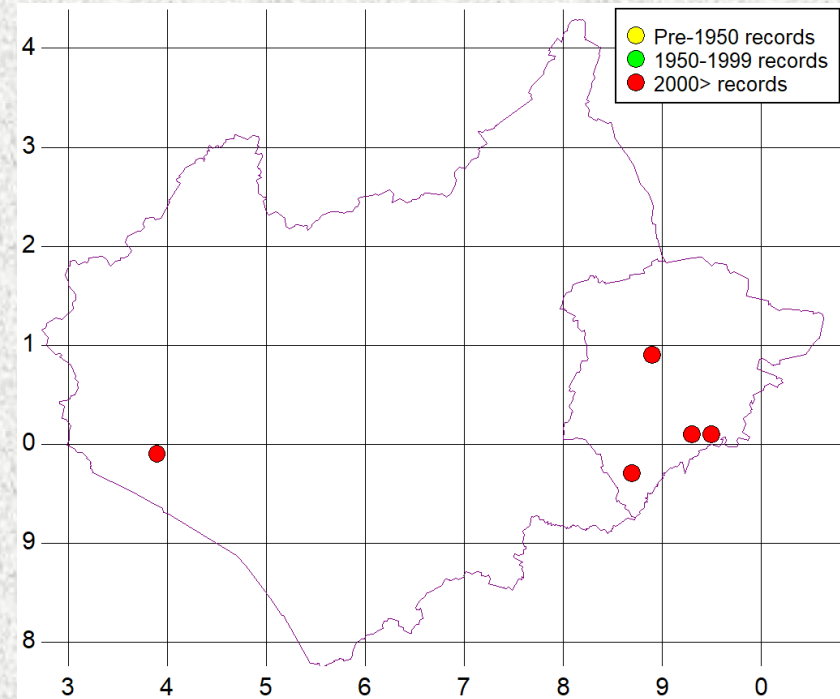
First  
for  
VC55



Michael Lester



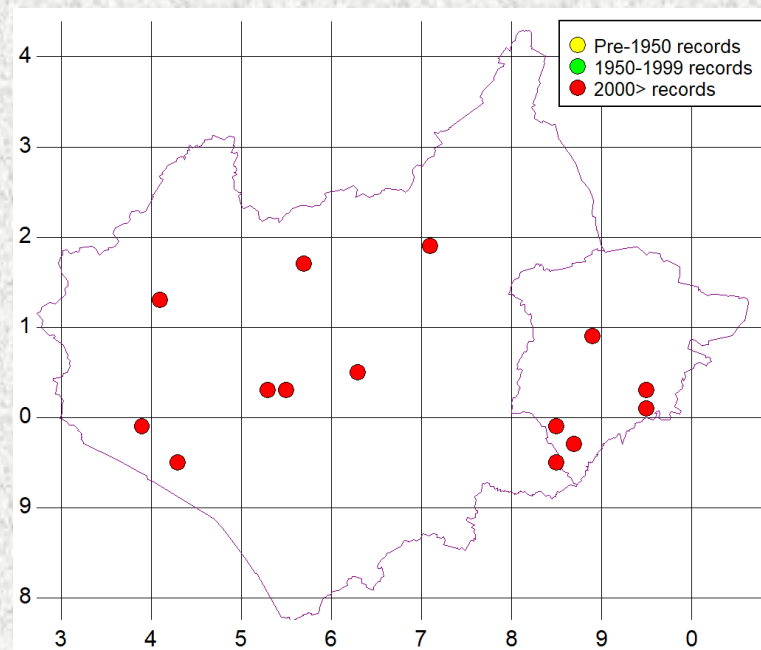
# White-point (*Mythimna albipuncta*)



27/08/2018	Rutland Water NR, Reed Bed	Ron Follows	1
07/11/2018	Station Road, Morcott	Dave Cole	1

Only 5 previous records

# Delicate (*Mythimna vitellina*)



Only 16 previous records

23/09/2018	Kirby Muxloe garden	Glenn McPhail	1
05/11/2018	Bayley Close, Uppingham	Paul Stevens	1

When in 2018 did you stop trapping?

End of September?

End of October? .....not much flying by then



## White-speck (*Mythimna unipuncta*)



First  
for  
VC55

As far as catching migrant moths is concerned:



## **VC55 Firsts in 2018**

**Micromoths: 12**

**Macromoths: 4**

**Total: 16**



Thanks to Everyone Involved

Towards:

# “The Butterflies and Moths of Leicestershire & Rutland”

	<b>DRAFT TIMETABLE – some slippage!</b>
<b>Spring 2018</b>	Annual Recorders Meeting ✓ Covert database to new ABH checklist names & numbers X Talk to publishers & printers ✓
<b>Summer 2018</b>	Fieldwork, photography, etc.
<b>Autumn 2018</b>	Record processing: Buckler/Lisney records X Validation of micromoth records X
<b>Winter 2018/19</b>	Record processing: 2018 records & other old/historical records ✓
<b>Spring 2019</b>	Annual Recorders Meeting ✓
<b>Summer 2019</b>	Fieldwork, photography, etc.
<b>Autumn/Winter 2019</b>	Validation of macromoth & butterfly records Record processing: 2019 records Writing species accounts
<b>Spring/Summer 2020</b>	Annual Recorders Meeting Final record processing and validation work (inc. 2019 records) Produce final distribution maps, phenology charts & other analyses Writing species accounts
<b>Autumn 2020</b>	Sample pages & cover available for potential sponsors Seek sponsorship
<b>Winter 2020/21</b>	Pre-publication offer. Printing & <b>publication</b>



## Current State of VC55 Database:

Records	Pre-2018	2018	Total
Micros	154,276	24,319	178,595
Macros	544,275	63,017	607,292
<b>Total Moths</b>	<b>698,551</b>	<b>87,336</b>	<b>785,887</b>
Butterflies	140,271	3,962	144,233
<b>Total Leps</b>	<b>838,822</b>	<b>91,298</b>	<b>930,120</b>

- Special thanks to Margaret McLoughlin & Hazel Graves for processing old Loughborough Nats records
- With the addition of historical and 2019 records, this will take the total to well over one million records!

## Fieldwork/Recording: **Only one year left – 2019**

- Keep doing what you've been doing!
- As much recording as possible – or as much as you are able
- Garden moth trapping (including some additional surveys)
- Out of garden recording
  - Plenty of under-recorded areas and sites
  - Permission for recording on Trust reserves
  - Moth trapping equipment available on loan
  - **Daytime recording of moths and butterflies**



## 2018-19 Special Survey of Critical and Difficult Species

- Participation is voluntary, though the more that participate, the better.
- The aim to improve our knowledge of the distribution of these species.
- Small samples collected from a range of sites/tetrads where there are no dissection-based records
- Specimens will be identified/dissected and recorder informed of id
- But we can't guarantee to identify every specimen!



## 2018-19 Special Survey of Critical and Difficult Species

- Minors
- Common/Lesser Common Rustic
- Uncommon Pugs
- *Oegoconia quadripuncta* agg.
- *Accleris laterana/comariana*
- *Accleris ferrugana/notana*
- Coleophoridae
- *Cnephasia* ssp.
  
- Also: micromoths from sites/recorders where not being recorded or where assistance is required with not so straightforward species.

Guidance and instructions will be emailed out ASAP and survey packs of containers will be provided








# VC55 'Form' Survey 2018-2019

- This is a very simple survey that all garden moth trappers can assist with.
- Whilst some recorders have provided this information with their records in the past, that information is difficult to analyse. It will therefore be useful if we could collect this data across the whole county in 2018 and 2019.
- The form will be made available for use or as a reminder, but is not essential; recorders can simply send me the annual counts at the end of the year, e.g. "*Riband Wave*: 7 banded and 31 un-banded"

**VC55 "Form" Survey 2018-2019**

Please could you help by keeping a record of the numbers of each of the different forms of the species seen below:

<b>Peppered Moth</b>			
			
Typical form. Number =	form insularia Number =	form carbonaria. Number =	
<b>Riband Wave</b>			
	Typical (banded) form. Number =		ab. remutata (unbanded). No.=
<b>Scalloped Hazel</b>			
	Typical form. Number =		form nigra Number =
<b>Burnished Brass</b>			
	Form aurea. Number =		Form tutti. Number =

Do not worry if you do not catch many of these moths, as the aim is to aggregate all of the totals across the whole of VC55.  
 You can return this form to me by post or scan & email or simply email me the numbers when you submit your records at the end of the year.  
 Thanks. Adrian@wainscot.demon.co.uk

**Also: Clouded-bordered Brindle**



# Other ways you can help:

- Submitting your “old” records
- Record transcription
- Being patient with queries and requests for information!
- Other? .....please let me know



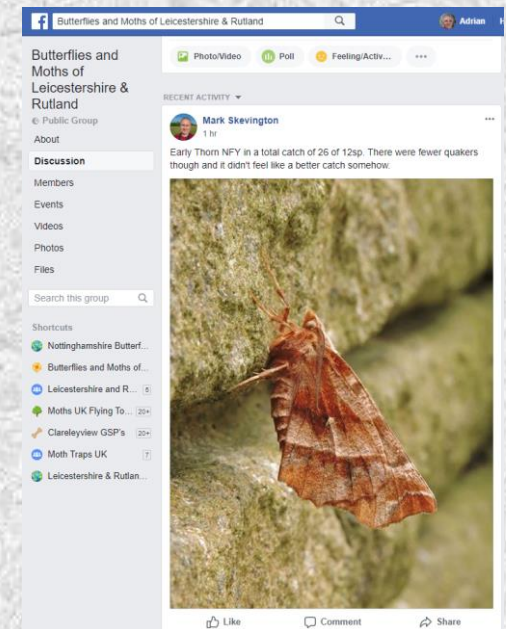
# Communications

## Emails

I will probably be sending out more emails than usual in this important year and recorders shouldn't hesitate to contact me by email for information and advice.

## Facebook Group

The other hand the Facebook Group (right) has proved popular and lively. It is extremely easy to use for identification queries, for both recorders and identifiers alike. N.B. It is possible to simply sign-up for Facebook without all of the social networking bells & whistles that you either love or hate!



## VC55 Download Site – New!

At some stage in the future (most likely after the book has been published) it would be good to have a VC55 Moth website. In the meantime, I have set-up a Download Site, where important documents and useful information can be downloaded. However, this site is for VC55 recorders only, so please don't publicise the URL any more widely than that. The URL will be emailed out to VC55 recorders.