

# **Annual Moth Recorders' Meeting 2015**



**Adrian Russell**

**[adrian@wainscot.demon.co.uk](mailto:adrian@wainscot.demon.co.uk)**

- **Review of 2014**
- **Looking ahead & future recording**

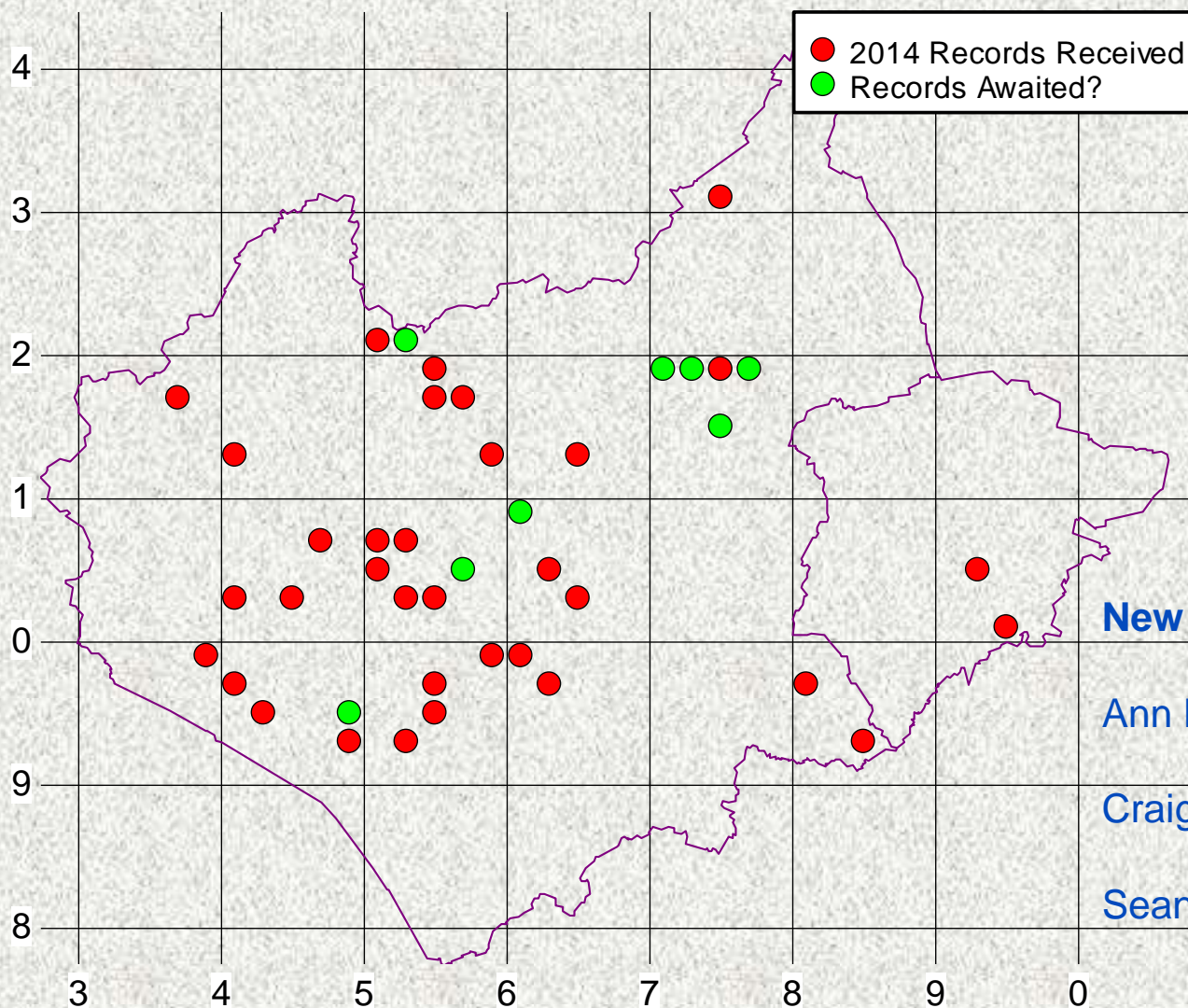
# **Thank You .....& Sorry!**

- **Thank you for all of your recording effort and records, which has helped to produce a superb natural history dataset.**
- **Sorry that some records, particularly those not submitted directly to me, have not yet made it into the database in time for this presentation**
- **And sorry that some of the distribution maps are not fully up-to-date (due to technical problems!)**

## **Headline Statistics for 2014:**

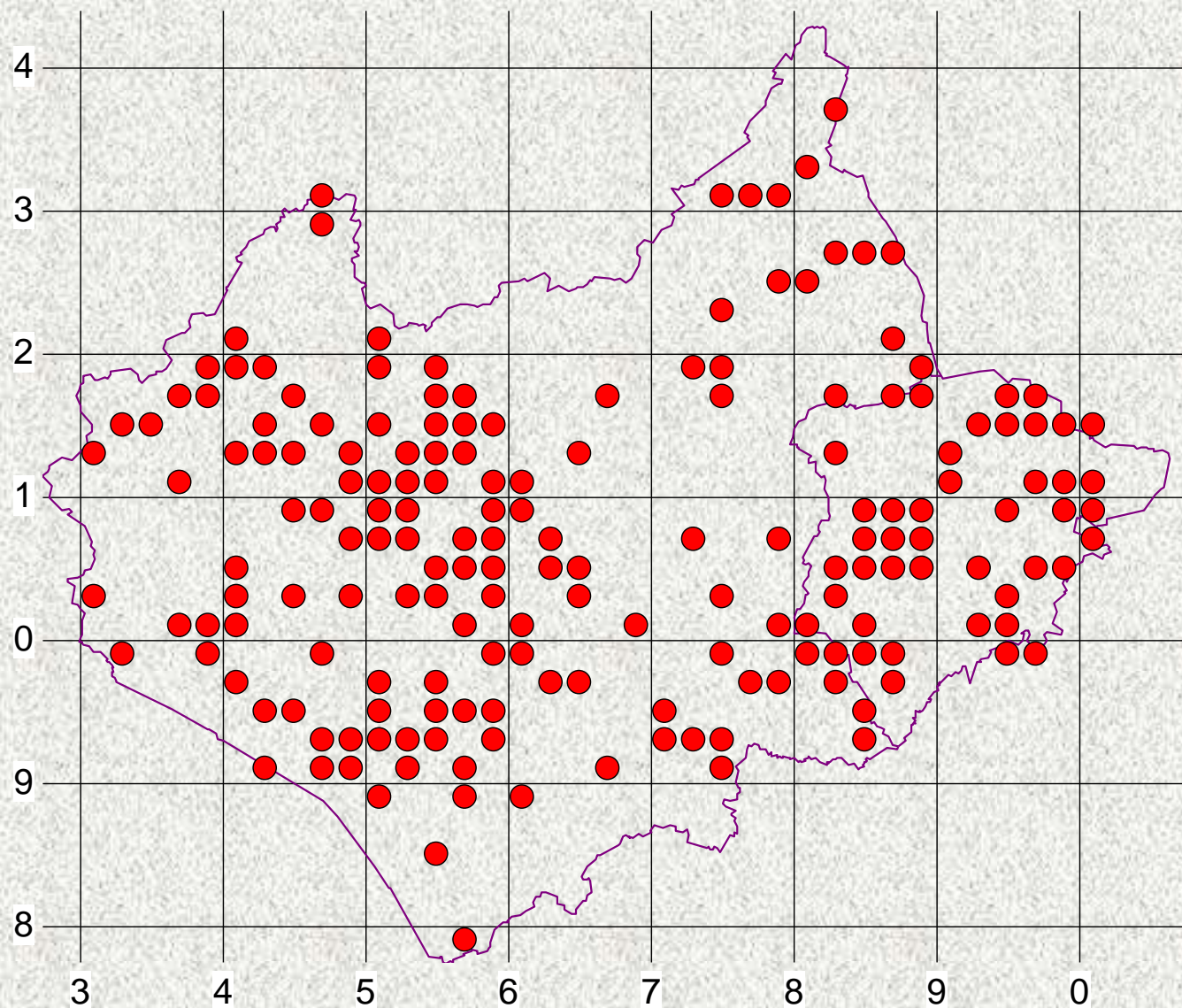
- 54,237 Lepidoptera records
- 50,599 Moth records
- 931 species of moth
- 166,125 moths in total!

## Garden Moth Trapping in 2014



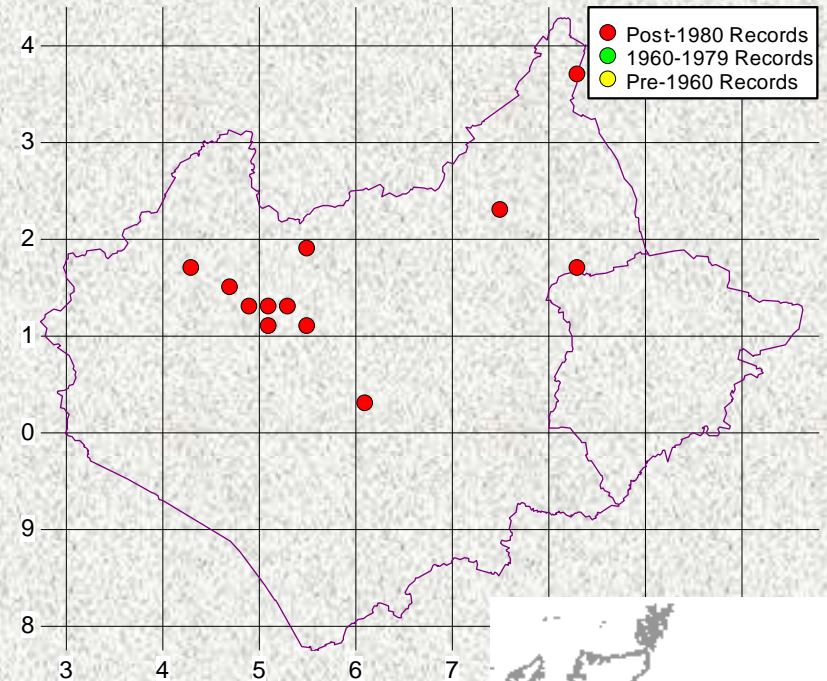


## 2014 Moth Records



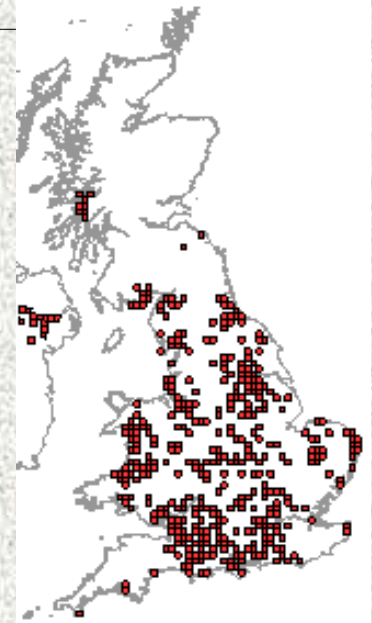
# Slide from 2014 Annual Moth Recorders' Meeting:

## 163 The Forester



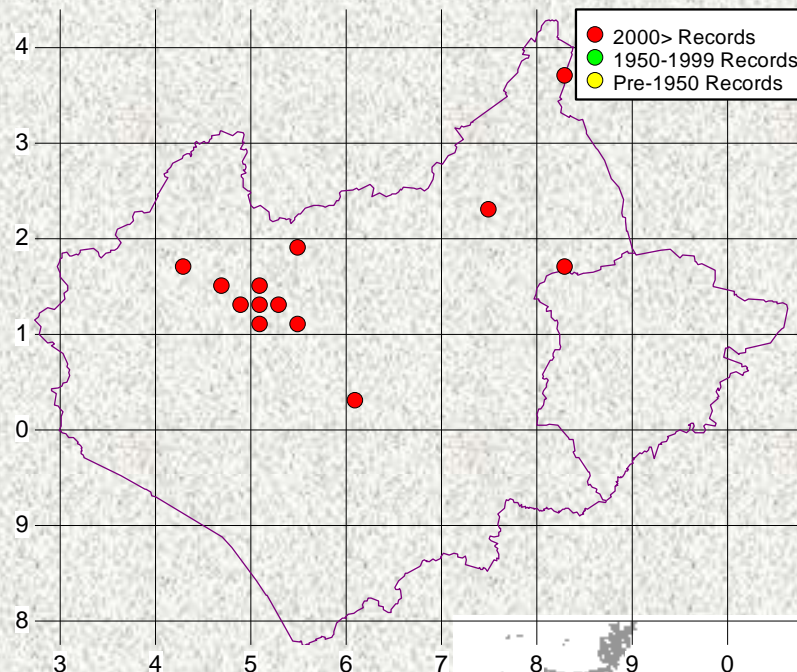
**NO RECORDS FOR 2013**

N.B. Larval foodplant = Common Sorrel



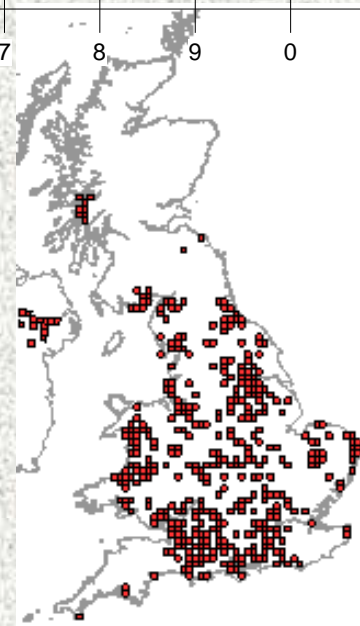


# 163 The Forester



01/06/2014	Bradgate Park
08/06/2014	Rough Hill, Newtown Linford
10/06/2014	Rough Hill, Newtown Linford
12/06/2014	Rough Hill, Newtown Linford
12/06/2014	Muston Meadows
14/06/2014	Felicty Wood
14/06/2014	Fields near Beacon Hill
14/06/2014	Fields near Beacon Hill
16/06/2014	Lea Meadows NR
16/06/2014	Poultney Farm
19/06/2014	Bradgate Park

1	Ashley Watson
c.10	Nick Freeman
31	Adrian Russell
12+	Nick Freeman
9	Ron Follows
1	Steve Blandford
1	Steve Blandford
1	Steve Blandford
1	Steve Woodward
1	Steve Woodward
1	Helen Ikin





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## **Rough Hill, Newtown Linford**





**370 Hornet Moth (*Sesia apiformis*)**





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## Other Clearwing records in 2014:



Currant Clearwing	18/06/2014 Meadow Lane allotments, Birstall	5	Adrian Russell
Red-belted Clearwing	13/06/2014 St Mary's Allotments, Leicester	7	Adrian Russell
Red-belted Clearwing	02/06/2014 Loughborough garden	1	Steve Blandford
Red-tipped Clearwing	17/06/2014 Syston Lake N.R.	1	Adrian Russell
Red-tipped Clearwing	01/07/2014 Watermead South C.P.	3	Adrian Russell
Six-belted Clearwing	26/06/2014 Asfordby Hill Iron Works	1	Steve Woodward
Six-belted Clearwing	02/07/2014 Big Pits Quarry, Pickworth	10	Adrian Russell

**752 *Aristotelia ericinella***

**First for VC55**



**30/07/2014 Newfield Colliery N.R. X15 GLF/KT/APR**



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## **Newfield Colliery N.R., Moira**



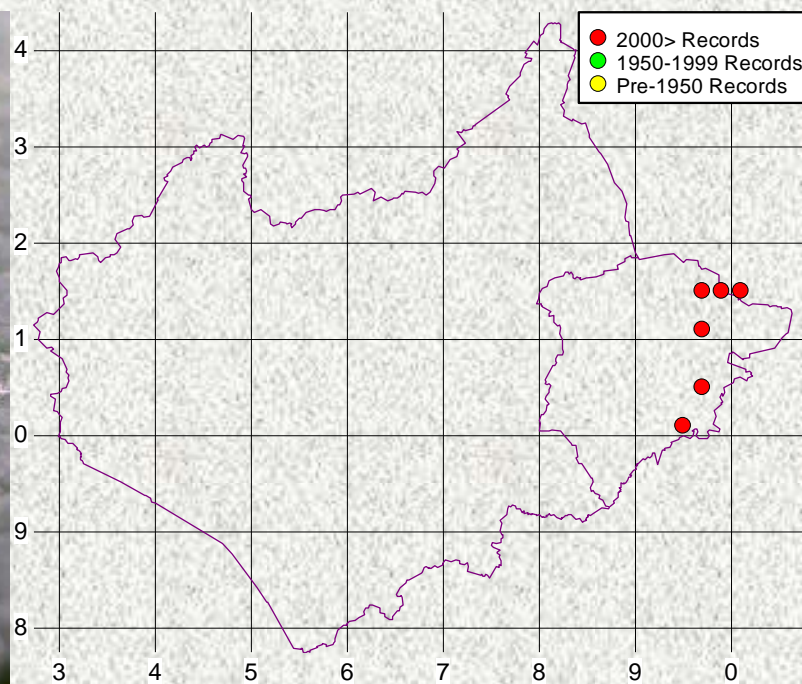


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**Newfield Colliery N.R., Moira**



## 430 *Yponomeuta plumbella*



13/08/2001 Bloody Oaks Quarry

01/09/2001 Bloody Oaks Quarry

15/08/2003 Ketton Quarry

09/08/2003 Clipsham Quarry

07/08/2004 Clipsham Quarry

28/07/2006 Clipsham Quarry

19/07/2014 Barrowden garden

04/08/2014 Newell Wood margins

4 RF/APR/AJM

2 RF/APR/HJO

1 APR/AJM

1 RF/APR/MPS/AJM

1 RF/MPS/KT/HJO

2 Ron Follows

1 Ron Follows

1 Adrian Russell

Larval foodplant:  
Spindle (*Euonymus europaeus*)



**930 *Gynnidomorpha alismana***

**First for VC55**



08/08/2014 North Farm, Shenton

1 Roy Goff

12/09/2014 Ketton Quarry N.R.

1 Mark Hammond/ Keith Tailby



**1246 *Grapholita tenebrosana***

**First confirmed record for VC55**



18/06/2014 Sapcote garden

1 Graham Calow – gen. det. AJM

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## 1356a *Evergestis limbata*



**A rare migrant to UK**

**19/07/2014 Sapcote garden**

**1**

**Graham Calow**

**VC55 first in 2013**

**03/07/2014 Sapcote garden**

**1**

**Graham Calow**

**14/07/2014 Sapcote garden**

**1**

**Graham Calow**

Surely this species  
must be breeding  
locally?!

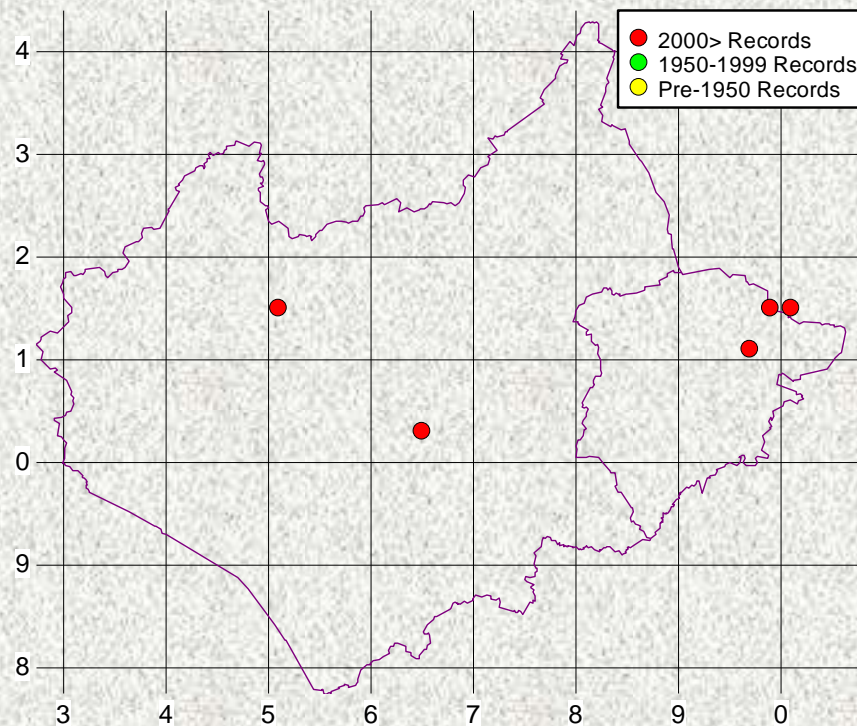
Larval foodplants: Brassicaceae, especially garlic mustard (*Alliaria petiolata*) and hedge mustard (*Sisymbrium officinale*).

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## 1370 *Sitochroa palealis*



1370 *Sitochroa palealis*



11/07/2014 Newell Wood margins

24/07/2014 Evington garden

2 Adrian Russell

1 Andy Mackay

N.B. Larval foodplant = Wild Carrot



**1386 *Anania (Opsibotys) fuscalis***

**First confirmed record for VC55**



18/05/2014 Newton Harcourt garden

1 David Scott



**1403** *Diasemiopsis ramburialis*

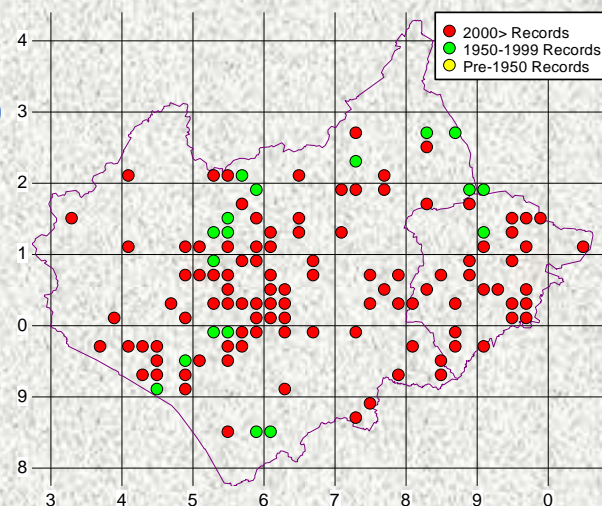
**VC55 First**





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## 1634 Lackey (*Malacosoma neustria*)

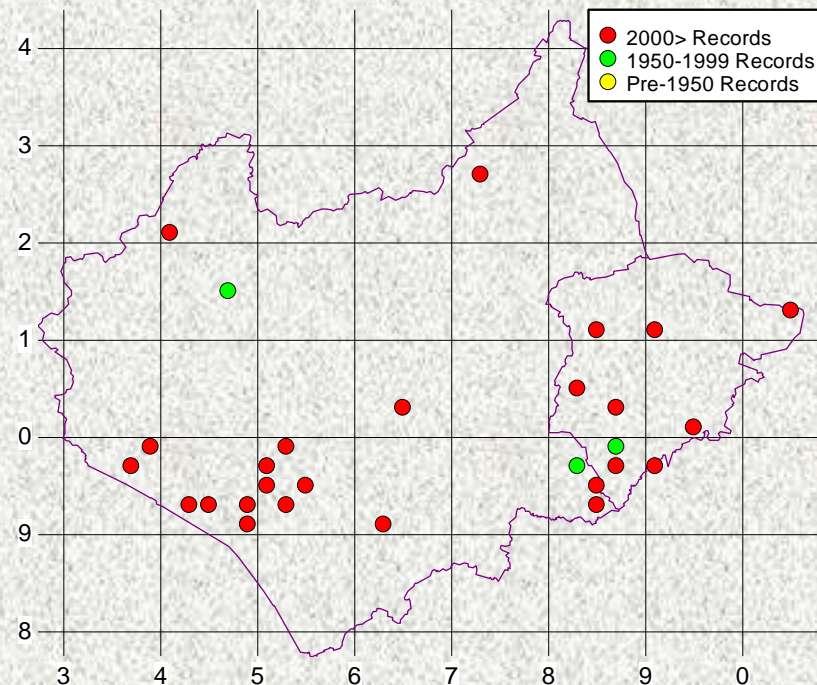


Surprisingly few records, most of which came from just one garden

01/06/2014 Whetstone garden	larva	Mark Skevington
19/06/2014 Clipsham Quarry	3	Ron Follows/APR
21/06/2014 Whetstone garden	2	Mark Skevington
21/06/2014 Whetstone garden	1	Mark Skevington
22/06/2014 Whetstone garden	2	Mark Skevington
22/06/2014 Whetstone garden	1	Mark Skevington
25/06/2014 Luffenham	8	Ron Follows
27/06/2014 Whetstone garden	1	Mark Skevington
29/06/2014 Whetstone garden	3	Mark Skevington
30/06/2014 Whetstone garden	1	Mark Skevington
30/06/2014 Barrowden garden	1	Ron Follows
02/07/2014 Whetstone garden	3	Mark Skevington
02/07/2014 Whetstone garden	2	Mark Skevington
05/07/2014 Whetstone garden	1	Mark Skevington
11/07/2014 Clipsham Park Wood	1	Adrian Russell
11/07/2014 Whetstone garden	1	Mark Skevington
20/07/2014 Whetstone garden	1	Mark Skevington

# Annual Moth Recorders' Meeting 2015

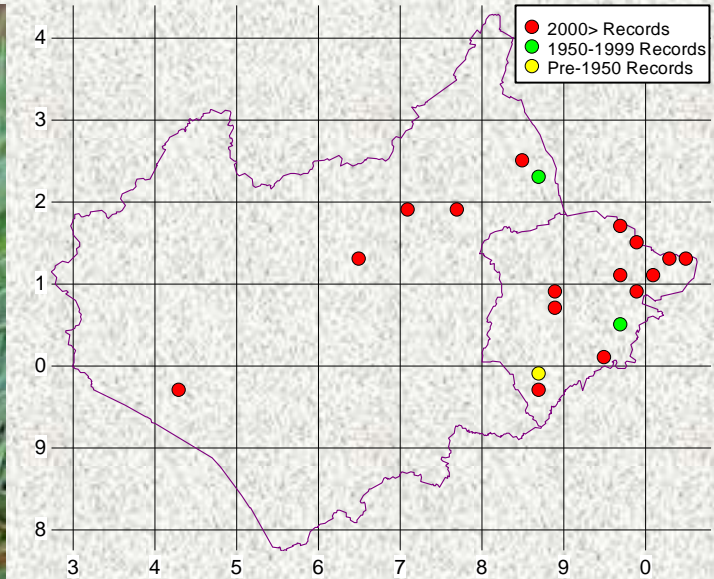
## 1637 Oak Eggar (*Lasiocampa quercus*)



01/07/2014	Cloud Wood	1	Steve Blandford
03/07/2014	Harby garden	1	Pete Leonard
11/07/2014	Whetstone garden	1	Mark Skevington
12/07/2014	Whetstone garden	1	Mark Skevington
13/07/2014	Sapcote garden	1	Graham Calow
14/07/2014	Sapcote garden	1	Graham Calow
19/07/2014	Sapcote garden	1	Graham Calow
20/07/2014	The Fox Inn, Hallaton	1	Will Kirby
25/07/2014	Whetstone garden	1	Mark Skevington
20/09/2014	Broughton Astley allotments	larva	Ron Stevens



## 1643 Emperor Moth (*Pavonia pavonia*)



09/04/2014 Queniborough garden 1 John Tinning



## 1661 Orange Underwing (*Archiearis parthenias*)

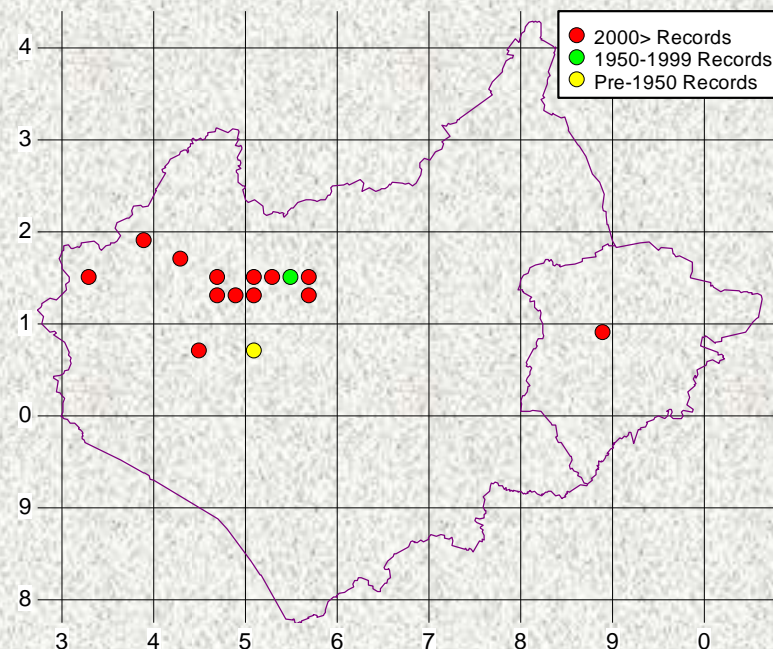


2003 photo

19/03/2014 Willesley

8

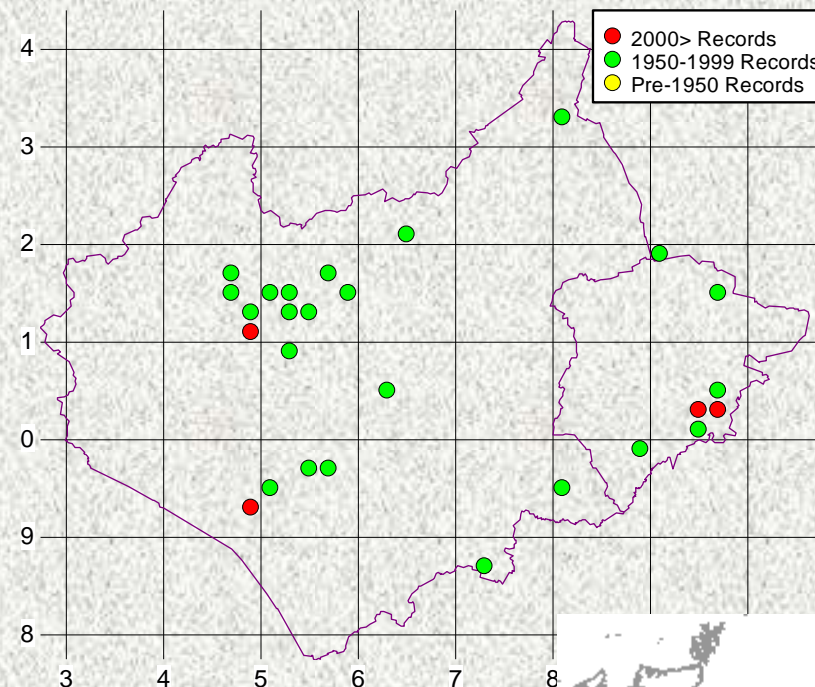
Sean Wileman



It would be well worth looking for this species in other 10km squares

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## 1665 Grass Emerald (*Pseudoterpna pruinata*)



25/06/2014 Luffenham

1 Ron Follows

18/07/2014 Sapcote garden

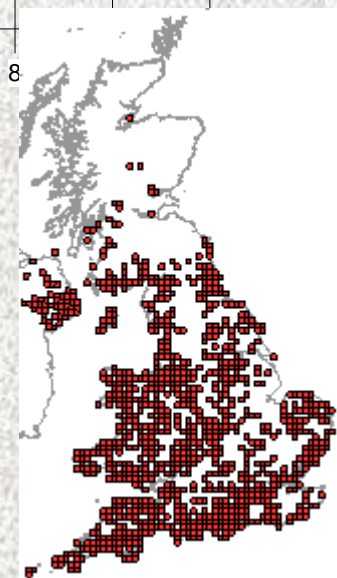
1 Graham Calow

03/08/2014 Luffenham

2 Ron Follows

Sapcote record is first post-2000 record outside of Luffenham

N.B. Larval foodplant = Gorse, Broom, Petty Whin





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## 1716 The Vestal (*Rhodometra sacraria*)



A migrant species.

2014 was generally poor  
year for migrants

21/07/2014 Market Bosworth garden

02/10/2014 Luffenham

03/10/2014 Shenton Estates North Farm

1 Angela Davies

1 Ron Follows

1 Stephen Smith



## Annual Moth Recorders' Meeting 2015

### 1816 Toadflax Pug (*Eupithecia linariata*)



04/09/2014 Evington garden    1    Adrian Russell    gen det AJM

## Foxglove Pug



## Toadflax Pug



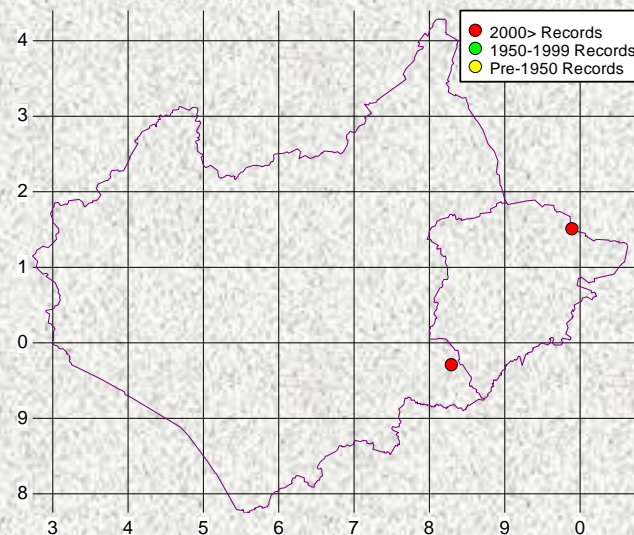
Non-Leics specimens

One useful feature for separating these two species is the innermost black band, which does not extend all of the way to the dorsum (rear edge) of the wing in Toadflax Pug



# Annual Moth Recorders' Meeting 2015

## 1821 Valerian Pug (*Eupithecia valerianata*)



### Only previous records:

28/06/03 Pickworth Gt. Wood 1 APR/AJM/MPS  
17/06/05 Pickworth Gt. Wood 1 MPS

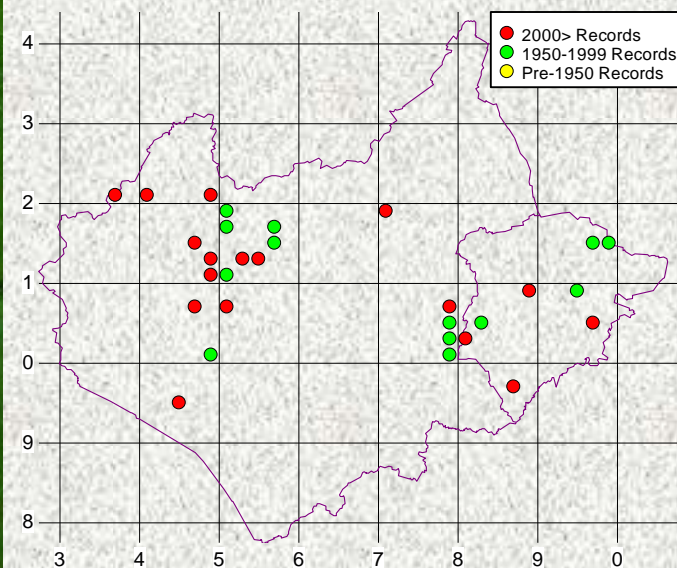
22/06/2014 Park Wood, Stockerston 1 Adrian Russell

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## 1875 Small White Wave (*Asthenia albulata*)



2003 photograph

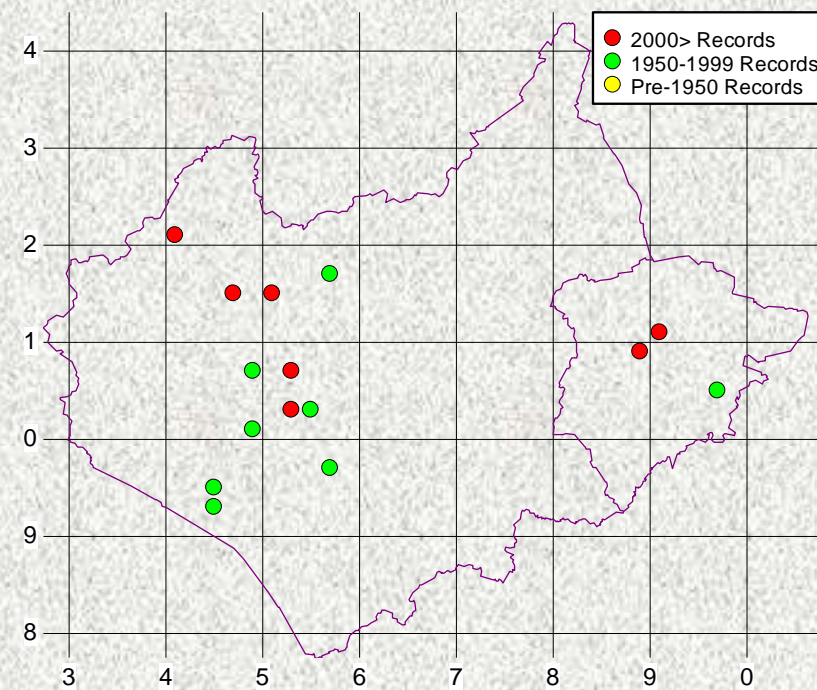


**The only record of  
this species in 2014**

12/06/2014 Stoneywell Wood 1 Graham Finch



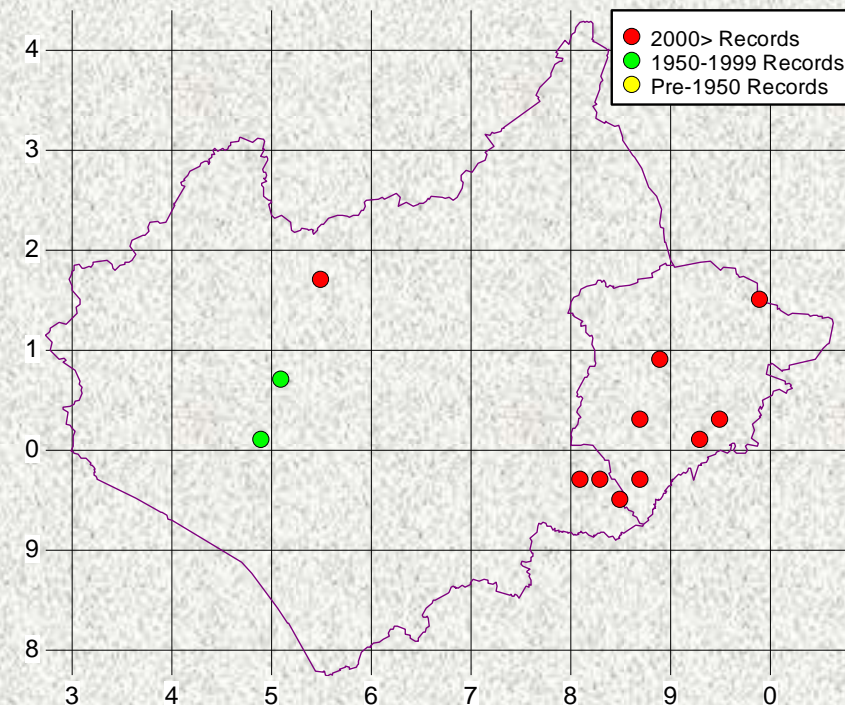
## 1885 Clouded Magpie (*Abraxas sylvata*)



28/06/2014 The Bothy, Exton Park

1 Vic Arnold

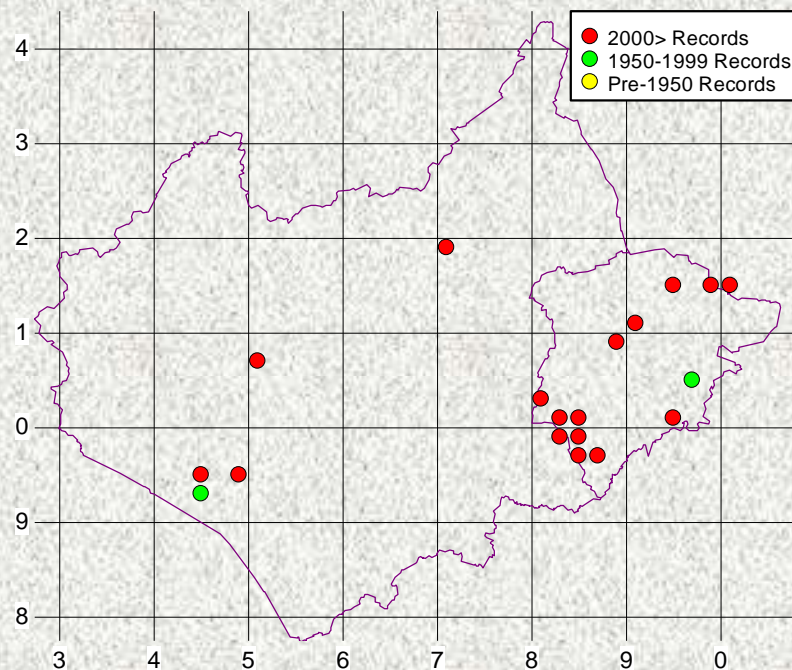
## 1889 Peacock Moth (*Semiothisa alternaria*)



## 1 Adrian Russell



## 1950 Brindled White-spot (*Parectropis similaria*)

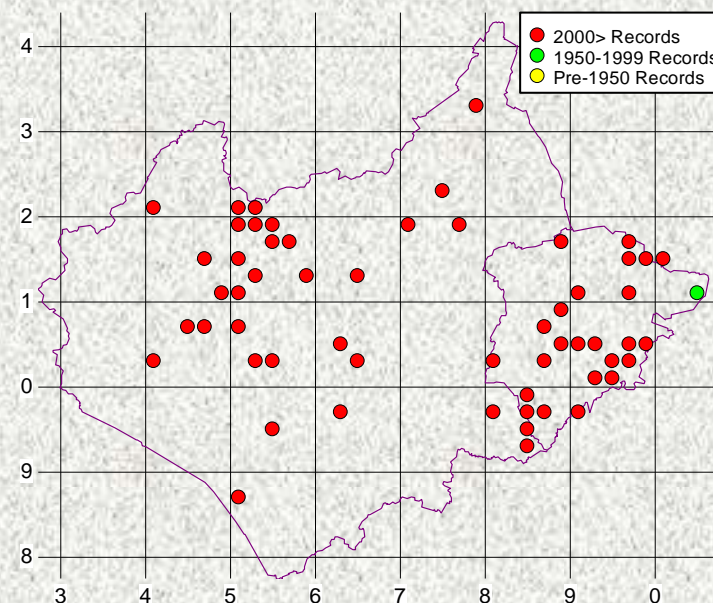


31/05/2014 Newell Wood margins

1 Adrian Russell

# Annual Moth Recorders' Meeting 2015

## 1978 Pine Hawk-moth (*Hyloicus pinastri*)



06/06/2014	Luffenham
17/06/2014	Loughborough University campus
23/06/2014	Barrowden garden
26/06/2014	Rutland Water Reed Bed
05/07/2014	Swithland Wood
06/07/2014	The Bothy, Exton Park
11/07/2014	Clipsham Park Wood
11/07/2014	Newell Wood margins
14/07/2014	Luffenham
15/07/2014	Eyebrook Reservoir, The Dam
18/07/2014	Quorn garden
24/07/2014	Market Overton garden

1	Ron Follows
1	Adrian Russell
1	Ron Follows
1	Ron Follows
1	Keith Tailby
1	Vic Arnold
1	Adrian Russell
1	Adrian Russell
1	Ron Follows
1	Ron Follows
1	Ann Brown
1	Vic Arnold



## 2014

## Records Moths

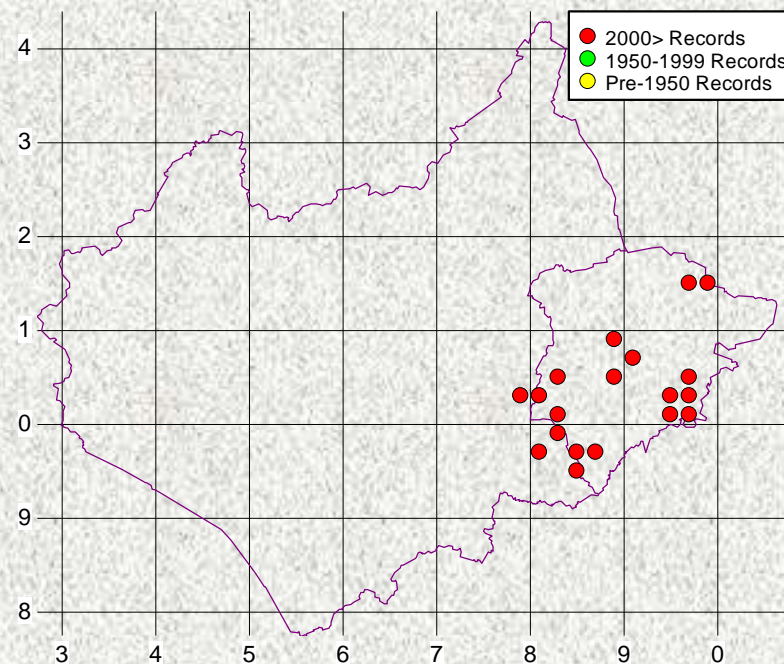
Poplar Hawk-moth	336	530
Elephant Hawk-moth	286	624
Privet Hawk-moth	51	63
Lime Hawk-moth	50	50
Eyed Hawk-moth	31	47
Small Elephant Hawk-moth	18	25
Pine Hawk-moth	12	12

It is interesting to note that there were more records of Privet Hawk-moth than of Lime or Eyed Hawk-moths

## 2009 Maple Prominent (*Ptilodon cucullina*)



Non-Leics photo .....is there one?



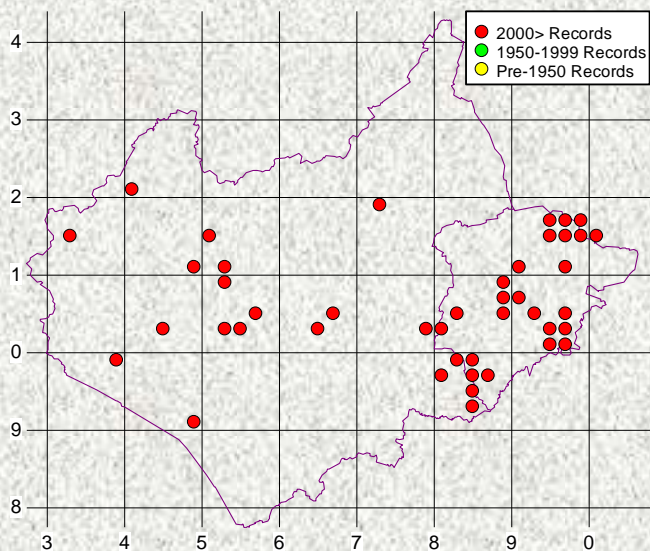
14/07/2014 Luffenham

1 Ron Follows



# Annual Moth Recorders' Meeting 2015

## 2033 Black Arches (*Lymantria monacha*)



2014 Leicester Forest East garden	Harry Ball
11/07/2014 Newell Wood margins	2 Adrian Russell
15/07/2014 Eyebrook Reservoir, The Dam	15 JMH/RF
18/07/2014 Fosse Meadows N.R.	1 Harry Ball
19/07/2014 Barrowden garden	1 Ron Follows
21/07/2014 Rutland Water N.R.	3 Paul Palmer
22/07/2014 Ketton Quarry	11 Ron Follows
23/07/2014 Rutland Water Reed Bed	4 Ron Follows
23/07/2014 Stoneywell Wood	1 Graham Finch
25/07/2014 Prior's Coppice	2 Ron Follows
25/07/2014 Bradgate Park	3 GLF/MJH
27/07/2014 The Bothy, Exton Park	15 Vic Arnold
31/07/2014 Eyebrook Reservoir, The Dam	17 JMH/RF
03/08/2014 Luffenham	11 Ron Follows
04/08/2014 Clipsham Park Wood	2 Adrian Russell
04/08/2014 Newell Wood margins	7 Adrian Russell
08/08/2014 Willesley	1 Sean Wileman
13/08/2014 Eyebrook Reservoir, The Dam	1 JMH/RF

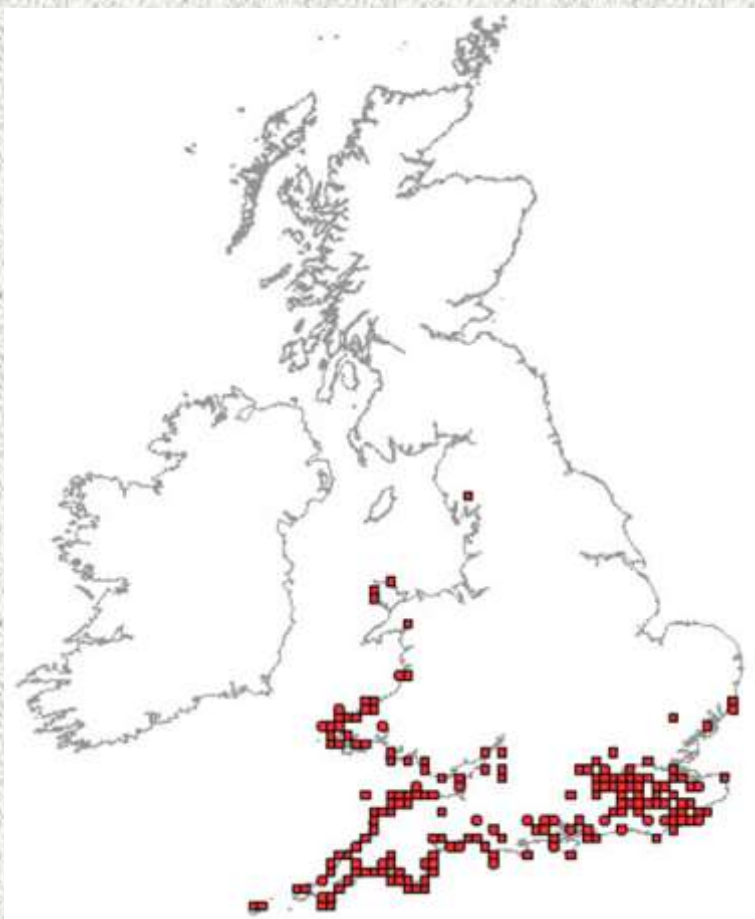
## Slide from 2014 Annual Moth Recorders' Meeting:

### Hoary Footman (*Eilema caniola*)

15/07/2013 Evington garden (gen det)(Andy Mackay) – First for VC55

17/07/2013 Evington garden (Adrian Russell)

18/07/2013 Evington garden (gen det) (Adrian Russell)



**No 2014 records**





**Hoary Footman**  
**(*Eilema caniola*)**



- Forewing pale silvery grey, with little yellow on costa
- Hindwing very pale/whitish

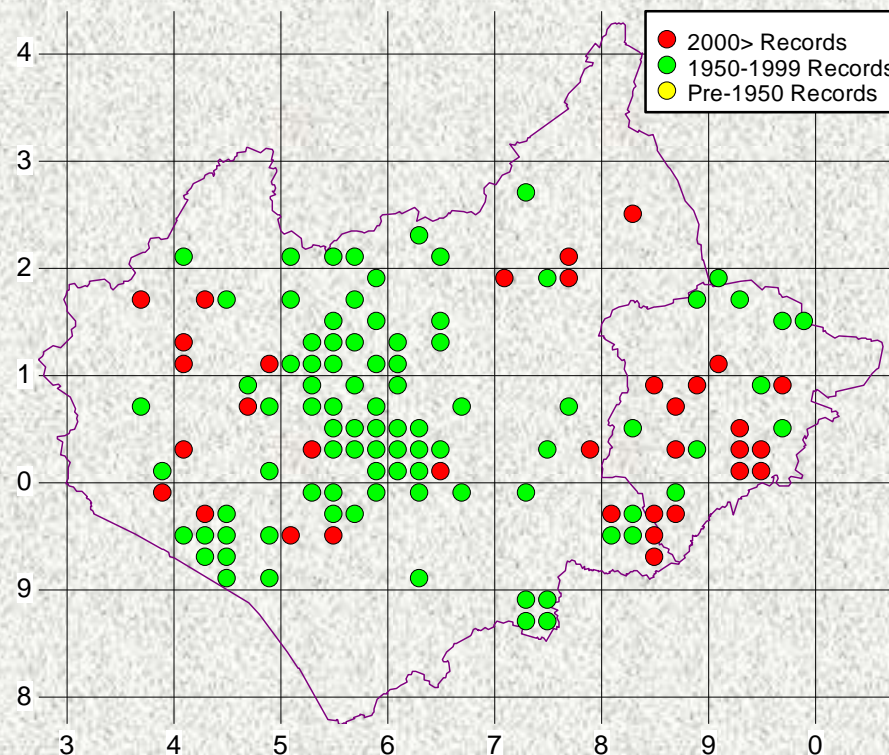
**Scarce Footman**  
**(*Eilema complana*)**



- Forewing darker grey with more yellowish suffusion
- Hindwing straw coloured

# Annual Moth Recorders' Meeting 2015

## 2057 Garden Tiger (*Arctia caja*)



24/06/2014	Edith Weston garden	1	Vic Arnold
25/06/2014	Luffenham Heath G.C.	1	Ron Follows
30/06/2014	Eyebrook Reservoir, The Dam	2	JMH/RF
01/07/2014	Great Easton garden	1	Jean Harvey
06/07/2014	Walcote garden	6	Jamie Gould
20/07/2014	Great Easton garden	1	Jean Harvey



## Annual Moth Recorders' Meeting 2015

### 2068 Scarlet Tiger (*Callimorpha dominula*)



#### Pre 2013 records:

22/06/2005	12 Evelyn Road, Braunstone	1	Len Holton
11/07/2006	Ketton Quarry	1	Craig Howat
14/04/2007	Ketton Quarry area	3 larvae	Adrian Russell
16/04/2007	Ketton Quarry area	15 larvae	Adrian Russell
16/04/2007	Ketton Quarry area	Larvae	Adrian Russell
23/04/2009	Ketton Quarry (Donkey Paddocks)	Larvae	Graham Finch
16/04/2011	Ketton Quarry	Larvae	Mark Skevington
29/04/2011	Ketton Quarry	Larva	Mark Skevington

# Annual Moth Recorders' Meeting 2015

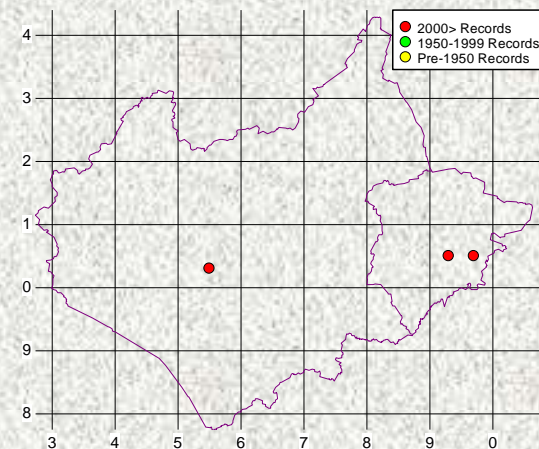
## 2068 Scarlet Tiger (*Callimorpha dominula*)



### 2013 & 2014 records:

10/07/2013 Weston Road garden, Edith Weston  
06/06/2014 Weston Road garden, Edith Weston  
18/06/2014 Weston Road garden, Edith Weston  
19/06/2014 Ketton village  
20/06/2014 Ketton Quarry  
25/06/2014 Weston Road garden, Edith Weston

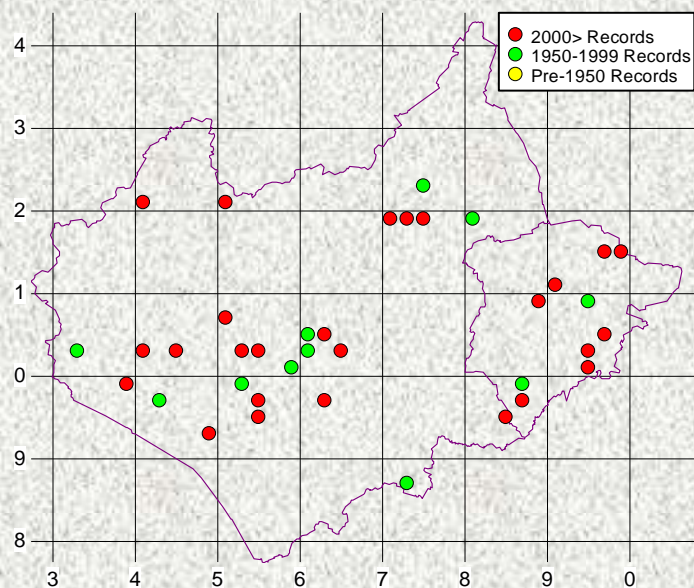
2 Steven Lewis  
1 Steven Lewis  
1 Vic Arnold  
2 Martin Grimes  
Vic Arnold  
2 Vic Arnold





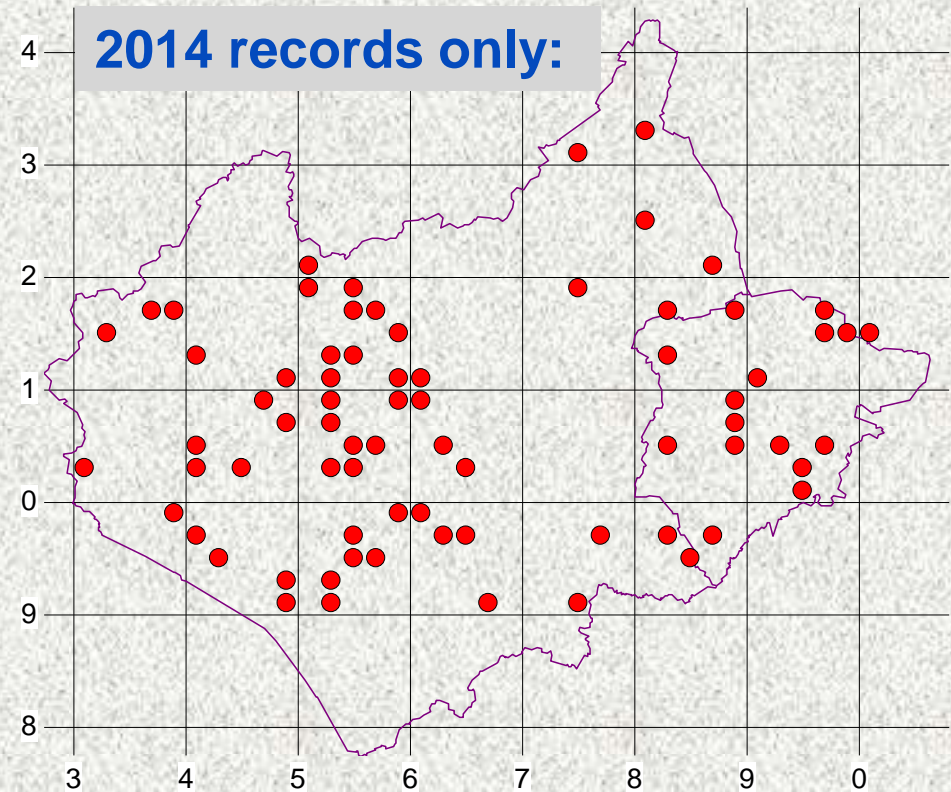
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## 2088 Heart & Club (*Agrotis clavis*)



07/06/2014 Melton Mowbray garden	2	Paul Palmer
12/06/2014 Barrowden garden	1	Ron Follows
13/06/2014 Sapcote garden	1	Graham Calow
14/06/2014 Barrowden garden	2	Ron Follows
17/06/2014 Barrowden garden	1	Ron Follows
18/06/2014 Braunstone garden	1	Leonard Holton
19/06/2014 Clipsham Quarry	23	RF/APR
22/06/2014 Sapcote garden	1	Graham Calow
22/06/2014 Newton Harcourt garden	1	David Scott
23/06/2014 Melton Mowbray garden	1	Paul Palmer
23/06/2014 Barrowden garden	3	Ron Follows
25/06/2014 Luffenham	1	Ron Follows
26/06/2014 Barrowden garden	2	Ron Follows
30/06/2014 Evington garden	1	Adrian Russell
30/06/2014 Barrowden garden	2	Ron Follows
01/07/2014 Sapcote garden	1	Graham Calow
02/07/2014 Evington garden	1	Adrian Russell
02/07/2014 Newton Harcourt garden	1	David Scott
07/07/2014 Barrowden garden	1	Ron Follows
09/07/2014 Sapcote garden	1	Graham Calow
12/07/2014 Melton Mowbray garden	1	Paul Palmer
12/07/2014 Barrowden garden	1	Ron Follows

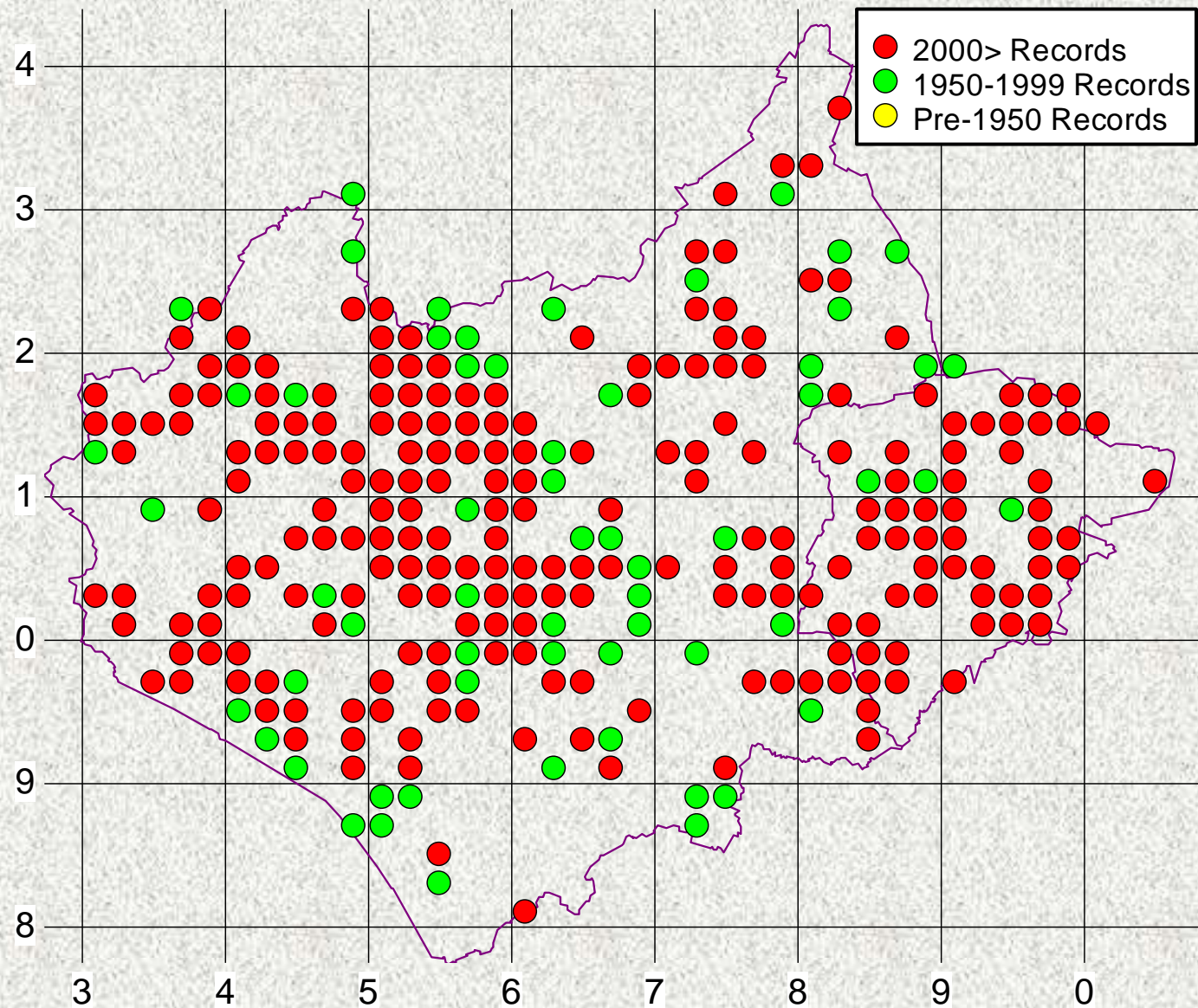
## 2107 Large Yellow Underwing (*Noctua pronuba*)



- The most frequently recorded moth in 2014
- 1,147 records of 13,685 moths
- Recorded from 104 different locations and 70 tetrads



## 2107 Large Yellow Underwing (*Noctua pronuba*)

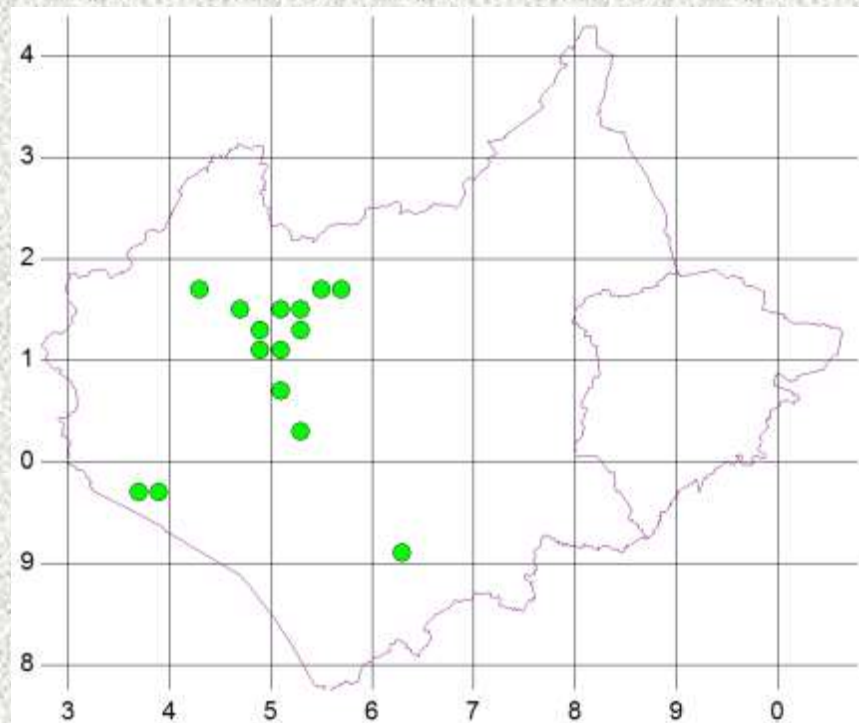


## Slide from 2014 Annual Moth Recorders' Meeting:

### 2121 Barred Chestnut



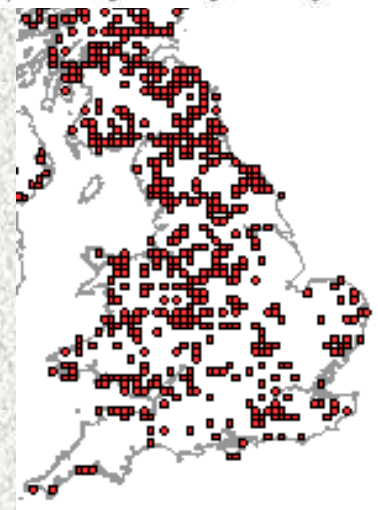
### Extinct?



**Not recorded since 1999**

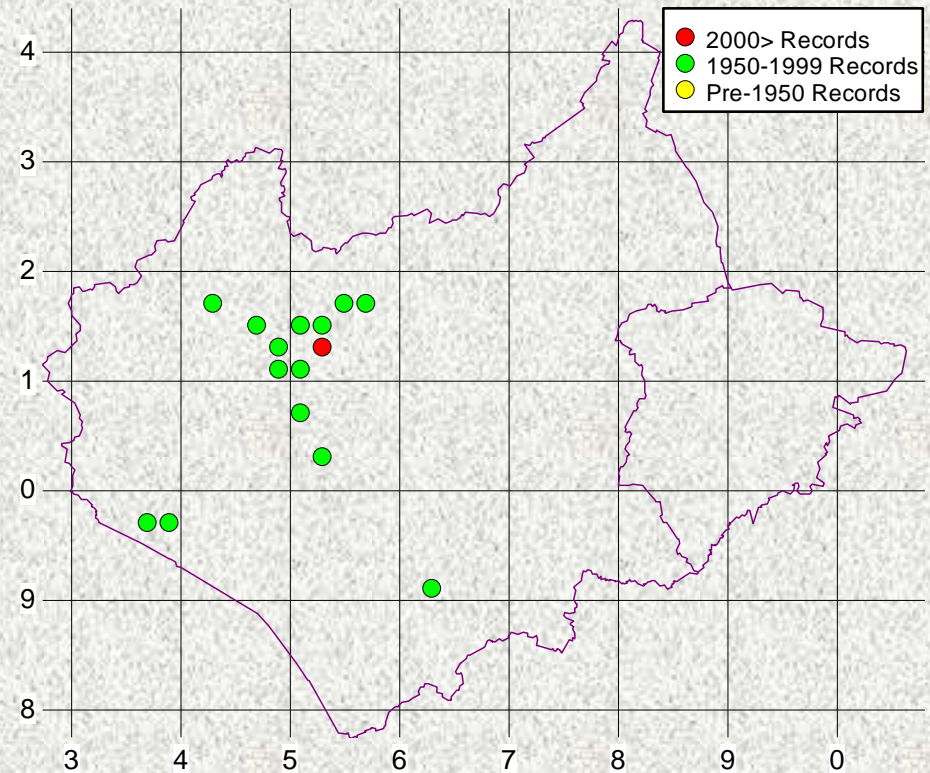
**Increased nationally  
by 288% 1968-2007**

N.B. Larval foodplant = Birch & Bilberry





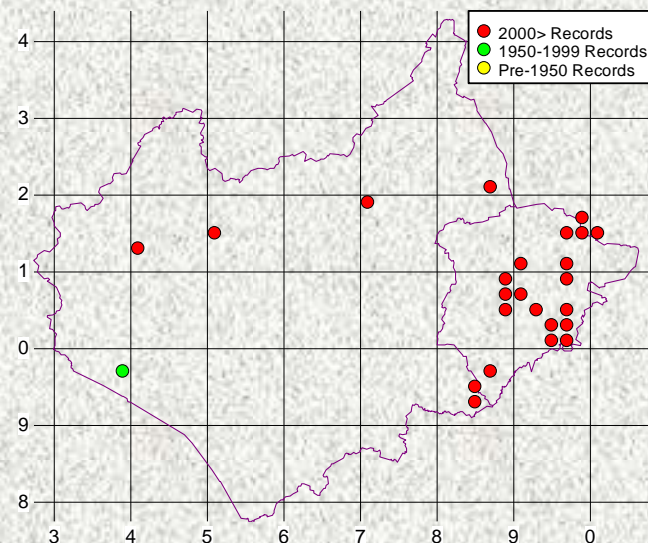
## 2121 Barred Chestnut (*Diarsia dahlii*)



## First record since 1999

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## 2131 Square-spotted Clay (*Xestia rhomboidea*)



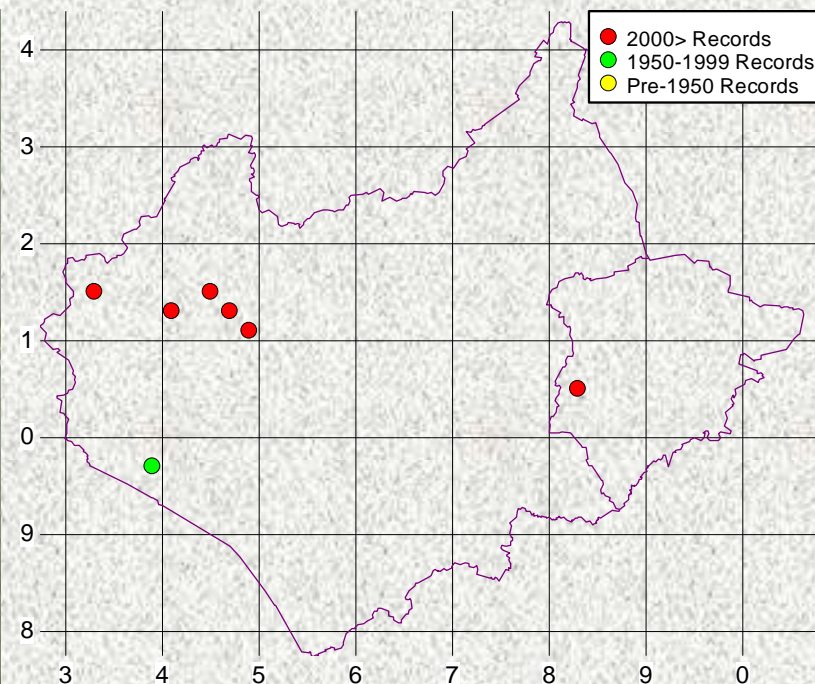
23/07/2014 Rutland Water, Lyndon N.R.  
31/07/2014 Eyebrook Reservoir, The Dam  
03/08/2014 Luffenham  
04/08/2014 Newell Wood margins  
13/08/2014 Eyebrook Reservoir, The Dam  
14/08/2014 54 Main Street, Lyddington  
18/08/2014 Rutland Water Gorse Close (Lax Hill)  
18/08/2014 Rutland Water Reed Bed  
24/08/2014 Luffenham  
27/08/2014 Rutland Water, Lyndon N.R.  
31/08/2014 Buckminster

1 Vic Arnold  
2 Ron Follows  
12 Ron Follows  
1 Adrian Russell  
1 Ron Follows  
1 Tony Morris  
2 Ron Follows  
3 Ron Follows  
17 Ron Follows  
1 Vic Arnold  
1 Adrian Russell



# Annual Moth Recorders' Meeting 2015

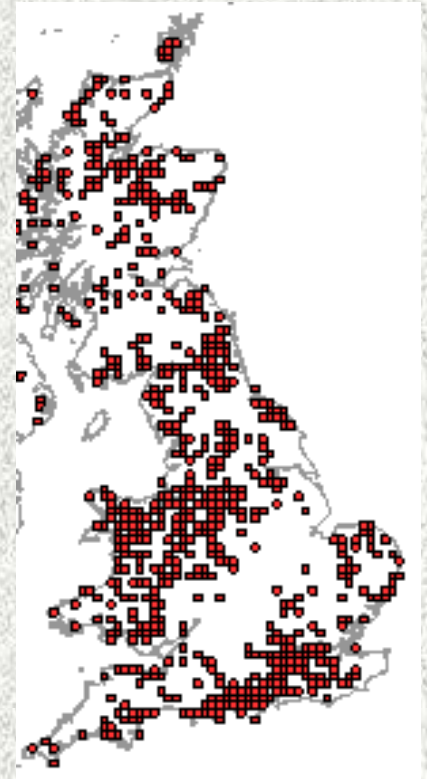
## 2135 Heath Rustic (*Xestia agathina*)



29/08/2014	Newfield Colliery N.R.	9	Sean Wileman
05/09/2014	Newfield Colliery N.R.	1	Sean Wileman
17/09/2014	Newfield Colliery N.R.	3	APR/GLF/KT

**Slide from 2014 Annual Moth Recorders' Meeting:**

**2142 Beautiful Yellow Underwing (*Anarta myrtilli*)**



09/08/2012 Newfield Colliery NR 1 Stephen Woodward **First record for 73 years**

N.B. Larval foodplant = Heather



## Annual Moth Recorders' Meeting 2015

### 2142 Beautiful Yellow Underwing (*Anarta myrtilli*)



29/07/2014	Newfield Colliery N.R.	7 + 2 larvae	Adrian Russell
30/07/2014	Newfield Colliery N.R.	4	Graham Finch/APR
04/08/2014	Newfield Colliery N.R.	2	Adrian Russell
09/08/2014	Newfield Colliery N.R.	1 + 30 larvae	Mark Skevington

N.B. Larval foodplant = Heather

# Annual Moth Recorders' Meeting 2015

## 2159 Dog's Tooth (*Lacanobia suasa*)



1969 Barrow-upon-Soar garden

1976 Quorn garden

08/06/1982 Loughborough Big Meadow N.R.

26/06/1987 Loughborough Big Meadow N.R.

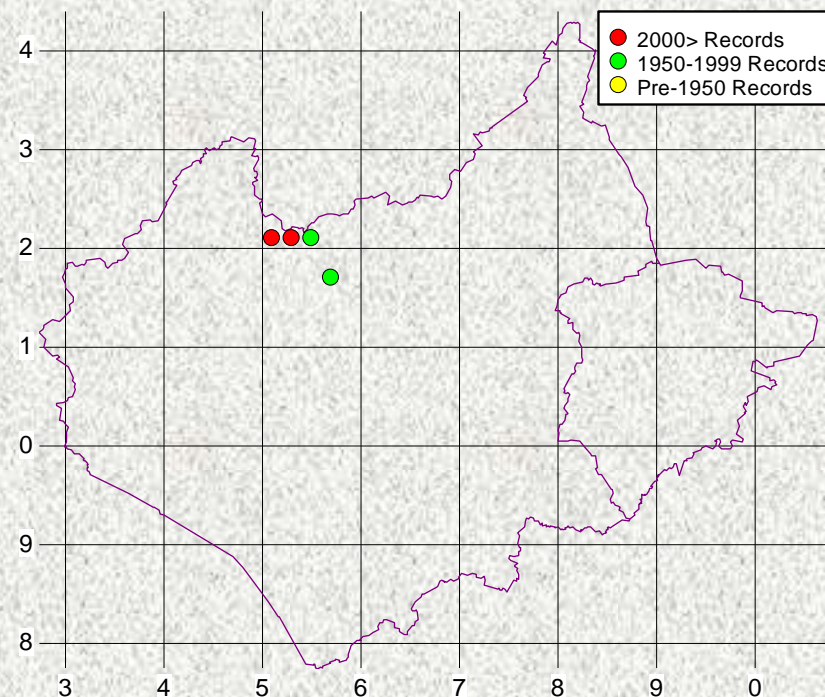
08/06/1993 Loughborough Big Meadow N.R.

24/06/2001 Loughborough Big Meadow N.R.

05/06/2006 Loughborough Big Meadow N.R.

14/06/2011 Loughborough Big Meadow N.R.

**12/06/2014 Loughborough garden**



Simon Davey

Peter Macqueen

50 Peter Gamble

20 Peter Gamble

12 Adrian Russell

8 Andy Mackay/APR

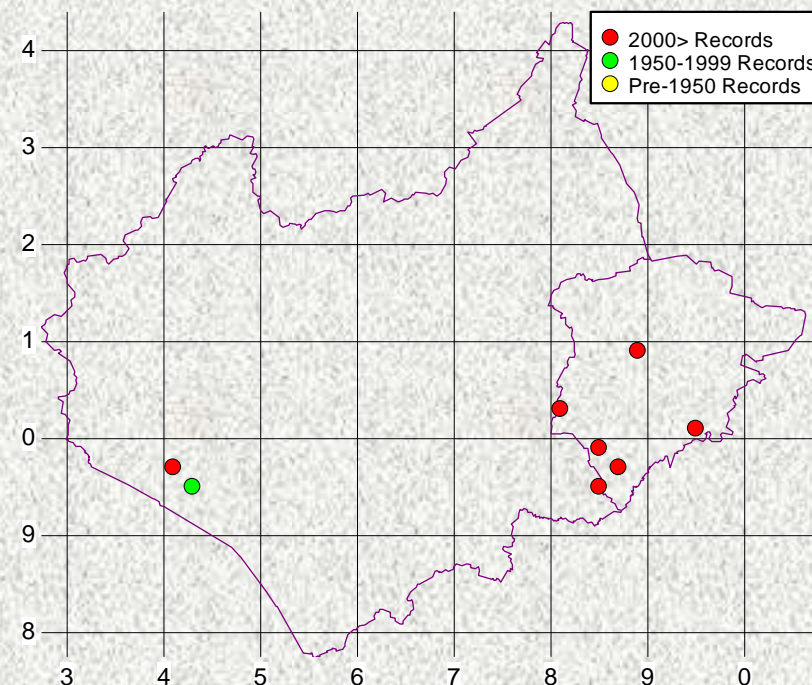
7 Adrian Russell

1 Mark Skevington

**1 Phil Cartlidge**



## 2183 Blossom Underwing (*Orthosia miniosa*)



N.B. Green dot:  
1957 Hinckley Dr John Thorpe

29/03/2014 Dadlington garden	1	Andrew Johnson
31/03/2014 Barrowden garden	1	Ron Follows

## Annual Moth Recorders' Meeting 2015

### 2195 The Delicate (*Mythimna vitellina*)      Rare migrant

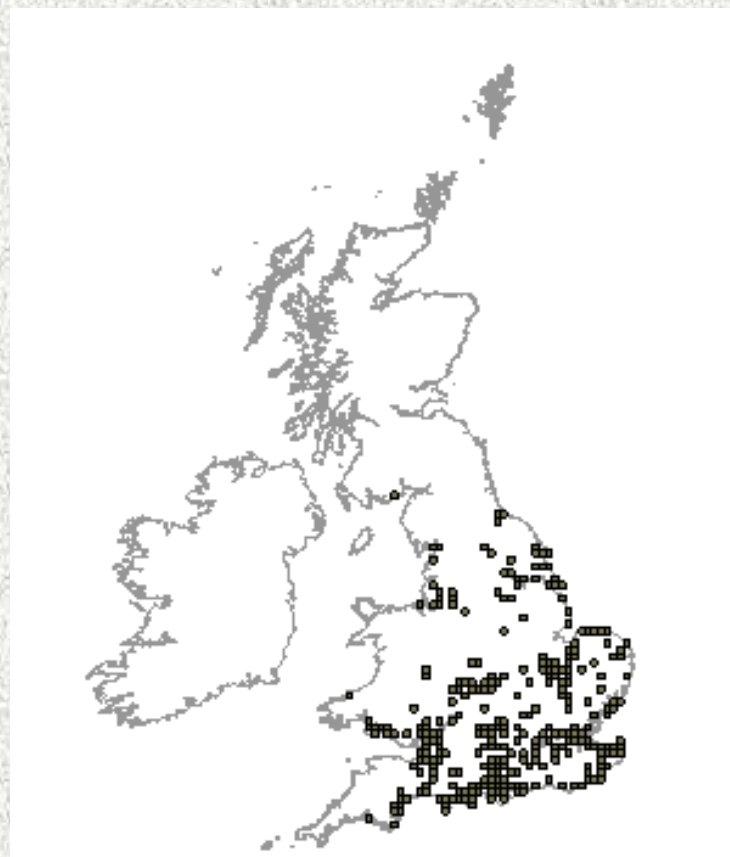


23/10/2014 Evington garden      1      Adrian Russell

31/10/2014 Quorn garden      1      Ann Brown



## 2204 Obscure Wainscot (*Mythimna obsoleta*)



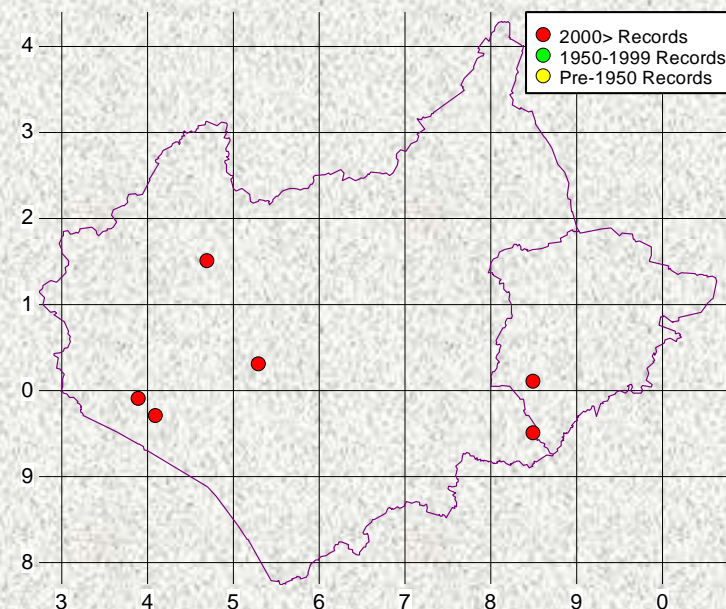
### First post-VCH records

13/06/2014 Rutland Water Reed Bed  
15/06/2014 Eyebrook Reservoir, The Dam  
26/06/2014 Rutland Water Reed Bed

3 Ron Follows  
1 Ron Follows  
2 Ron Follows

# Annual Moth Recorders' Meeting 2015

## 2260 Dotted Chestnut (*Conistra rubiginea*)



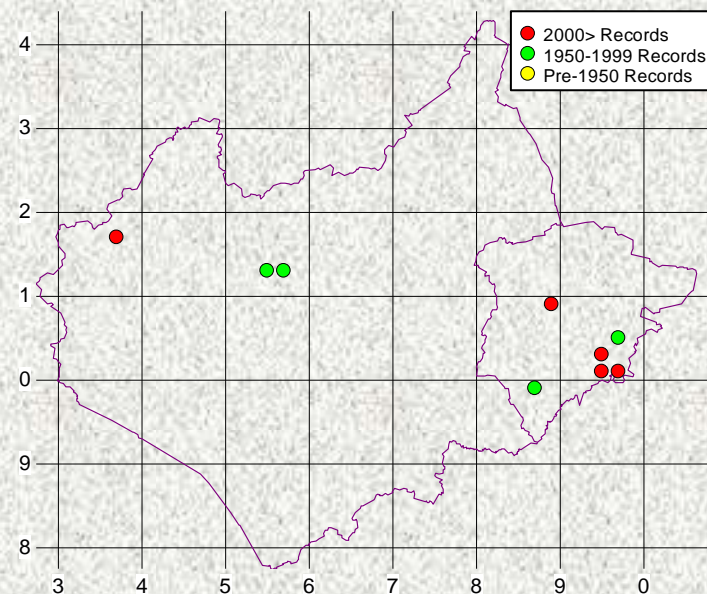
08/03/2014 Wardley Wood	1	Adrian Russell
28/03/2014 Dadlington garden	1	Andrew Johnson
29/03/2014 Dadlington garden	1	Andrew Johnson



N.B. Larval foodplant = a number of deciduous trees



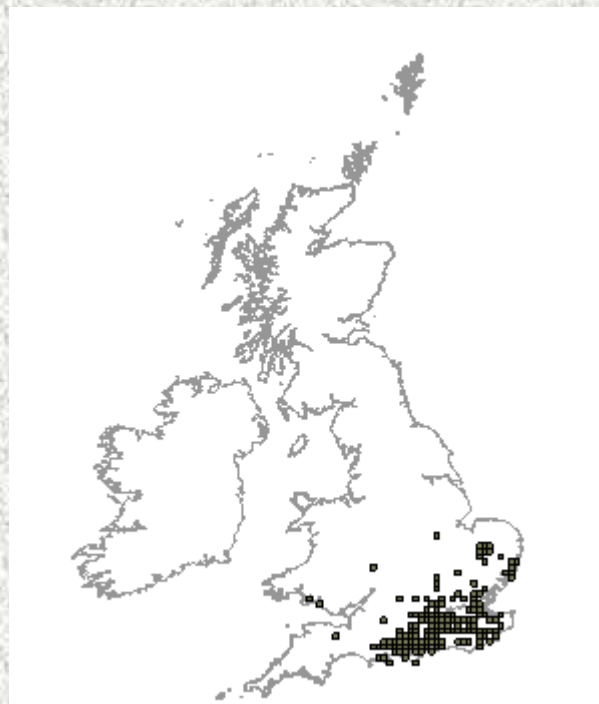
## 2323 Reddish Light Arches (*Apamea sublustris*)



05/07/2014 Ashby-de-la-Zouch garden 1 Sean Wileman

**2396 Rosy Marbled (*Elaphria venustula*)**

**First for VC55**

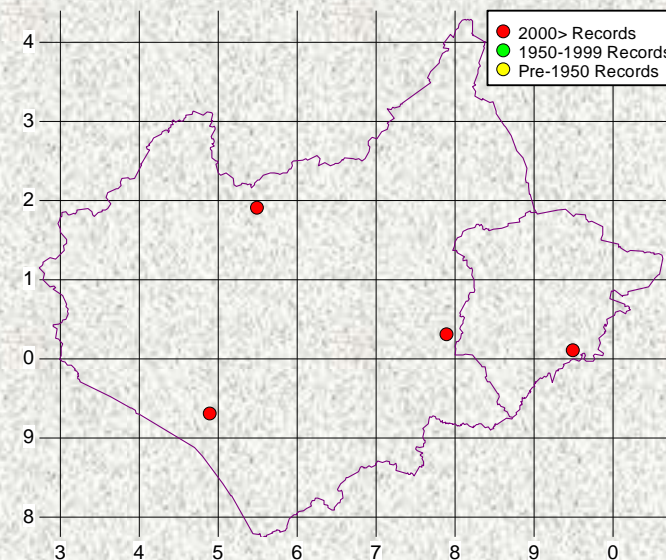


*UK Moths: "The larval foodplant is not fully known in this country, but is suspected to be tormentil (*Potentilla erecta*)."*



# Annual Moth Recorders' Meeting 2015

## 2475 Waved Black (*Parascotia fuliginaria*)



**Only the 5<sup>th</sup> county record**

03/07/2005 Loddington Rothamsted Trap  
18/08/2005 Barrowden garden  
14/07/2007 Loughborough garden  
15/07/2008 Launde Big Wood  
24/07/2014 Sapcote garden

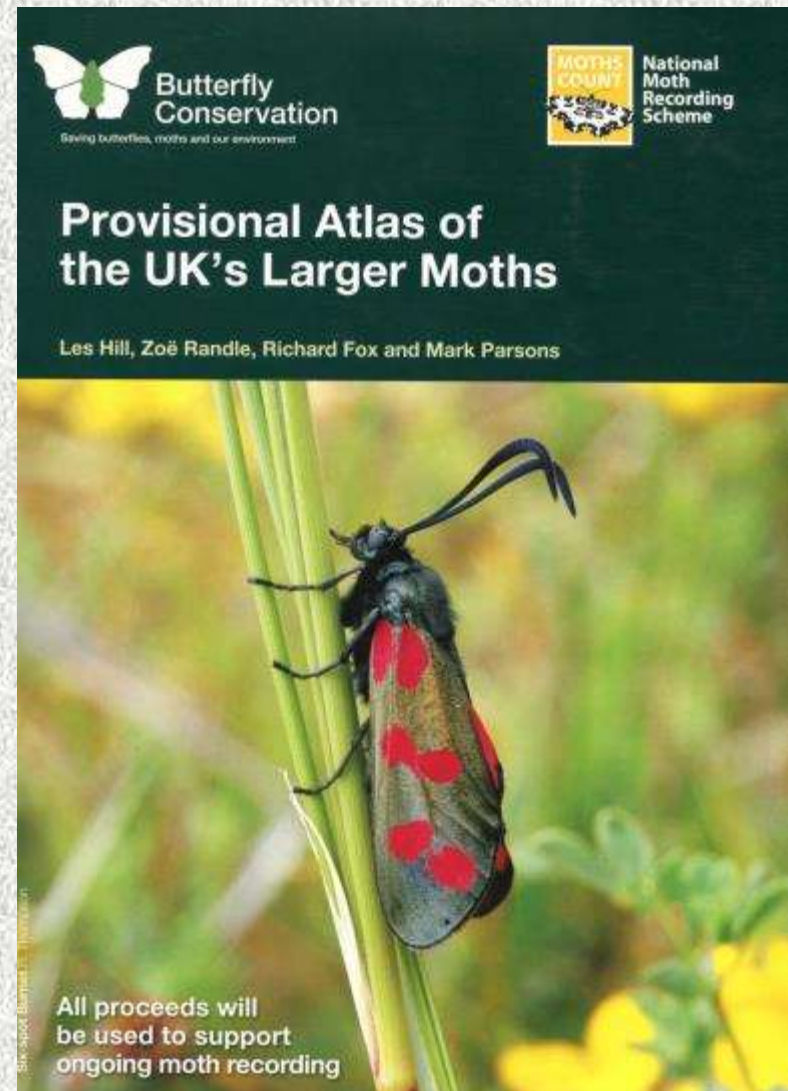
1 Rothamsted Insect Survey  
1 Ron Follows  
1 Steve Lister  
1 Ron Follows  
1 Graham Calow

# Looking ahead & future recording



## Annual Moth Recorders' Meeting 2015

- **Provisional Atlas published in 2010**
- **Atlas (non-provisional!) to be published in 2017**
- **Will incorporate records up to 2016**
- **This gives us just 2 years!**
- **To be used as a stepping-stone towards:**  
*“The Butterflies & Moths of Leicestershire & Rutland”.*



## Annual Moth Recorders' Meeting 2015

### **Work needed:**

- **Rationalisation of database of records – ongoing!**
- **Incorporation of historical records** – Leics. Collection catalogued by 2015 (Les Purnell/APR) – c.13,000 specimens
- **Historical/literature search**
- **Data cleansing & record validation**
- **Targeted fieldwork**



## Targeted fieldwork

- **Recording in under-recorded areas of VC55**
- **Recording in under-recorded habitats**
- **Targeted species recording**

**Some problem species:**

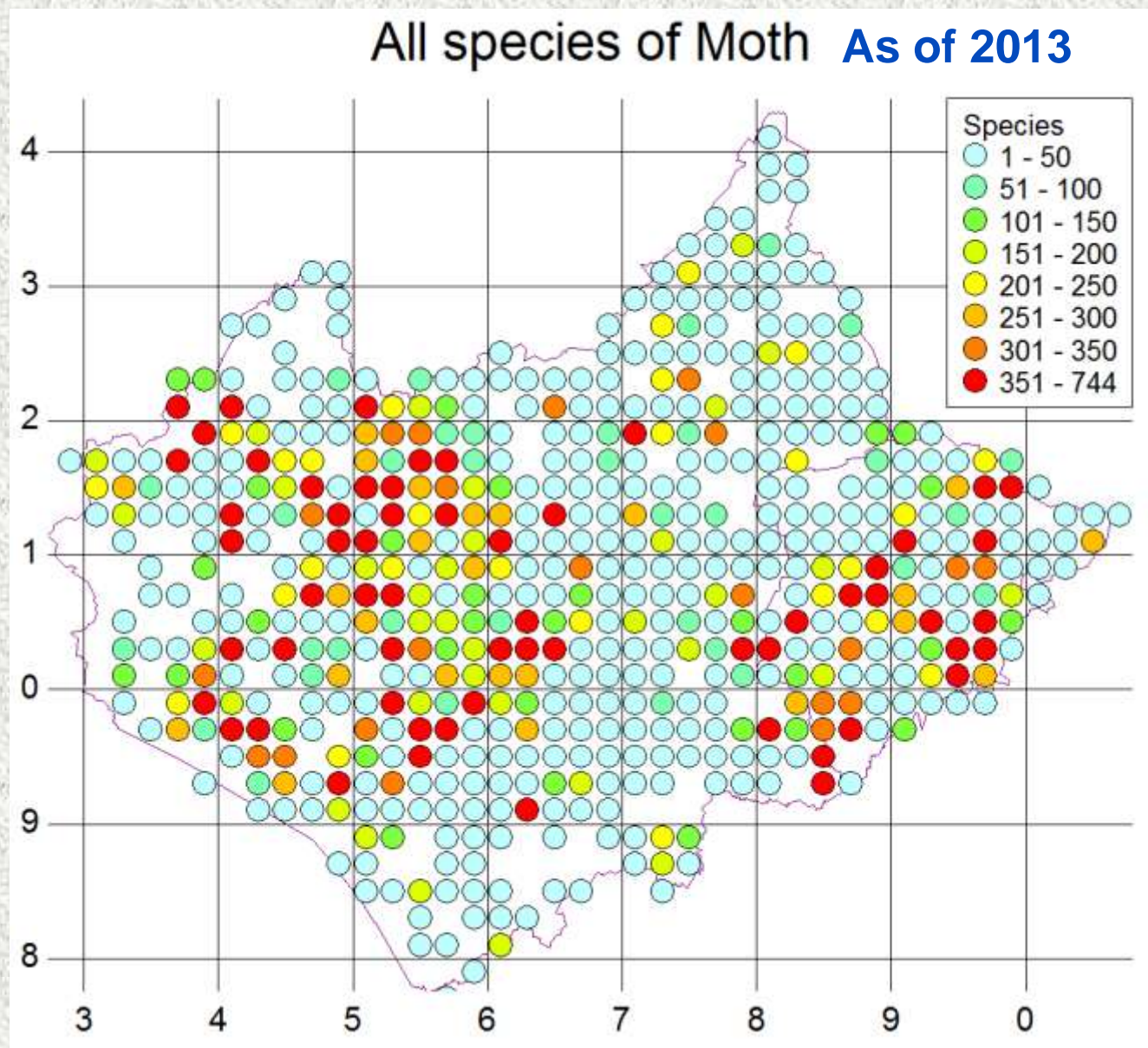
**WANTED!**

- **August Thorn**
- **Plain Wave**
- **Toadflax Pug**
- **Triple-spotted Clay**
- **Wood Carpet**

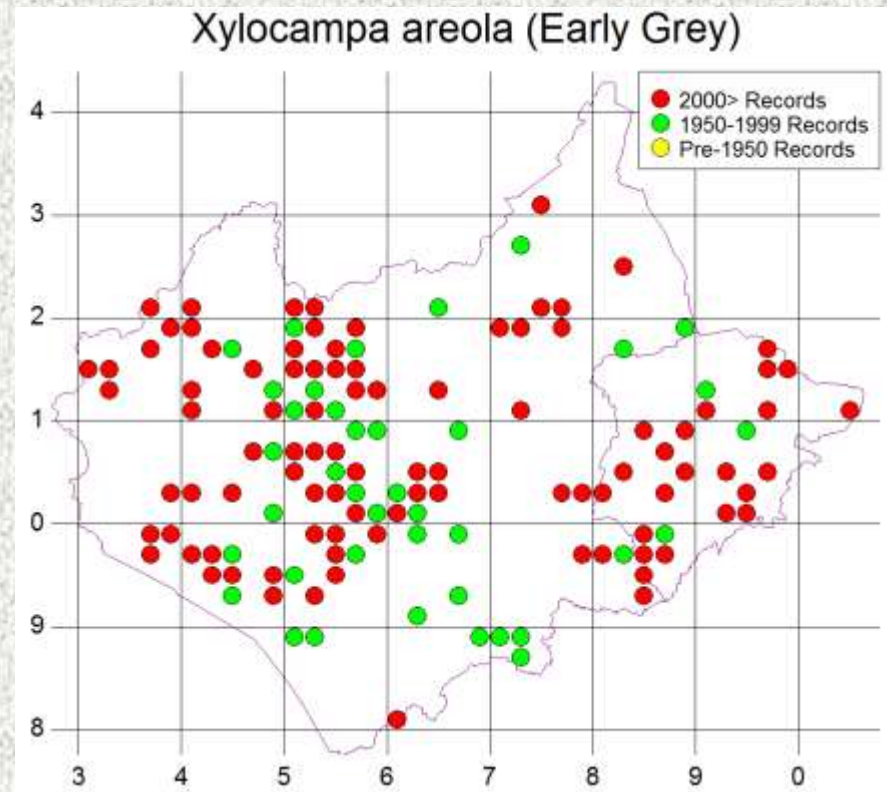
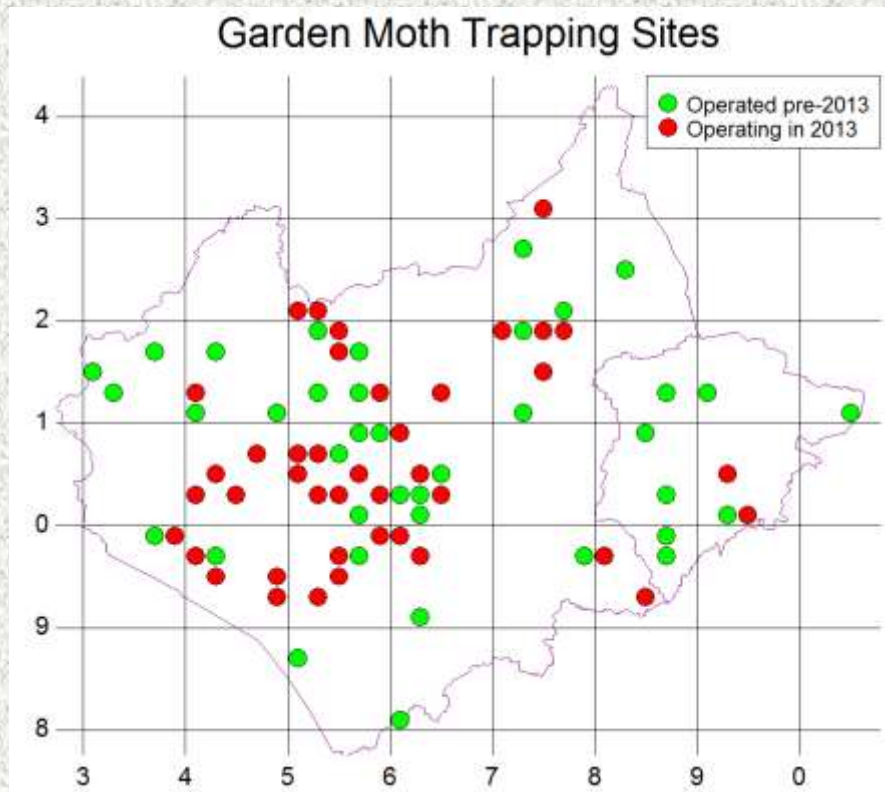
**Supporting photographs and/or specimens needed!**  
**(Contact APR for further advice)**



## Recording in under-recorded areas of VC55



## Annual Moth Recorders' Meeting 2015

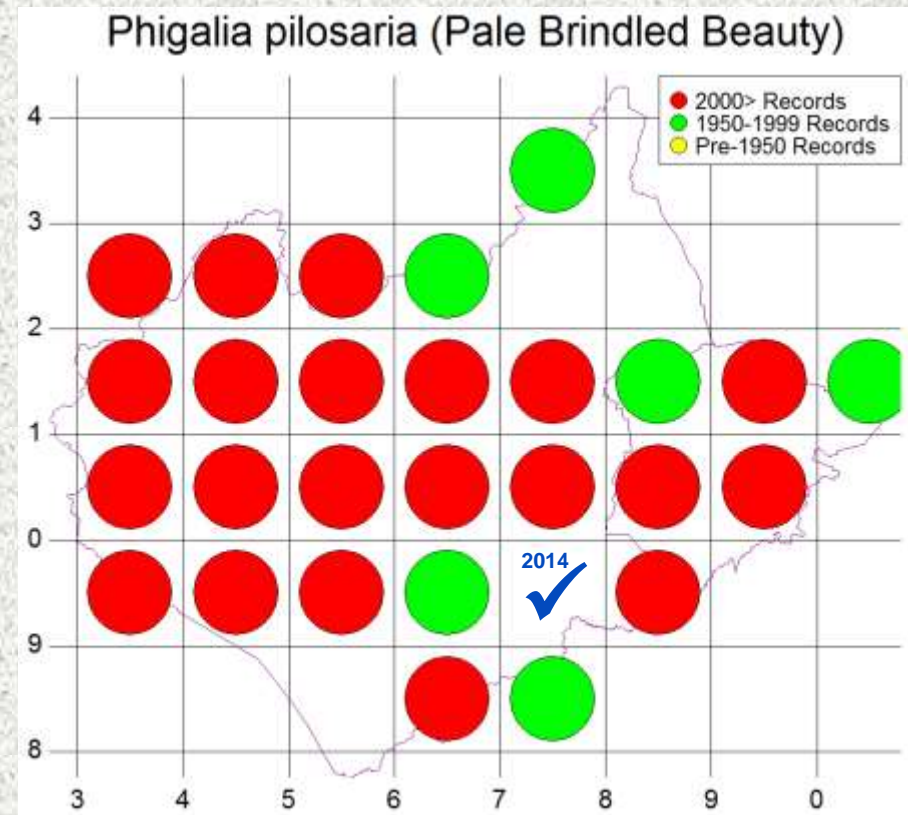
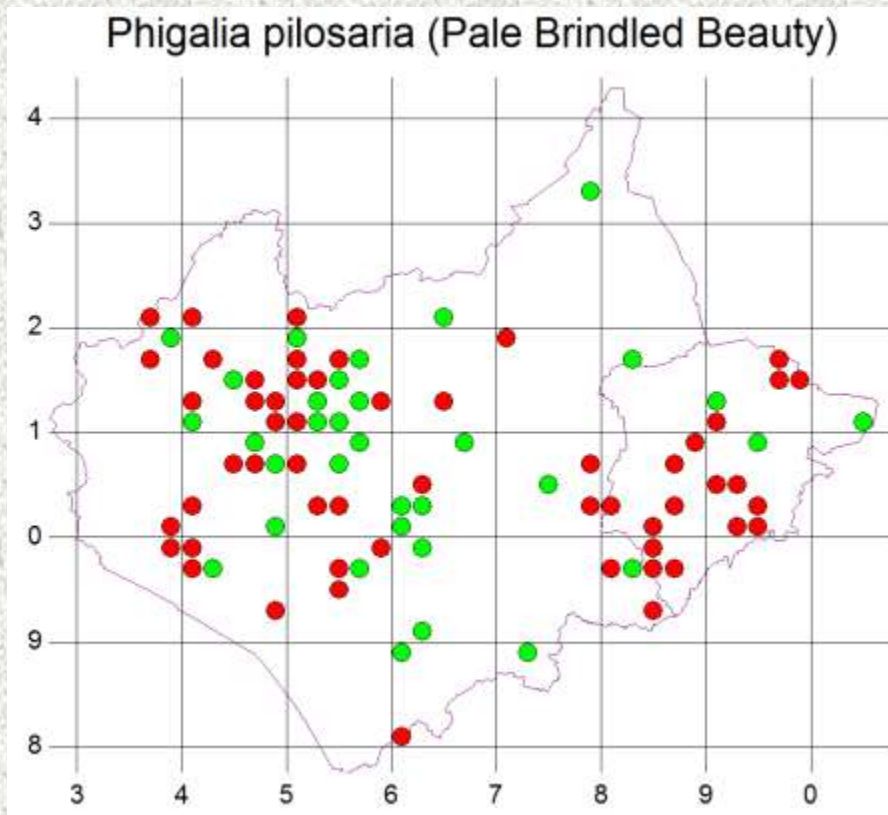


**The distribution map for many species of moth closely resembles the distribution map for garden moth trappers!**



## Recording in under-recorded areas of VC55

As of 2013



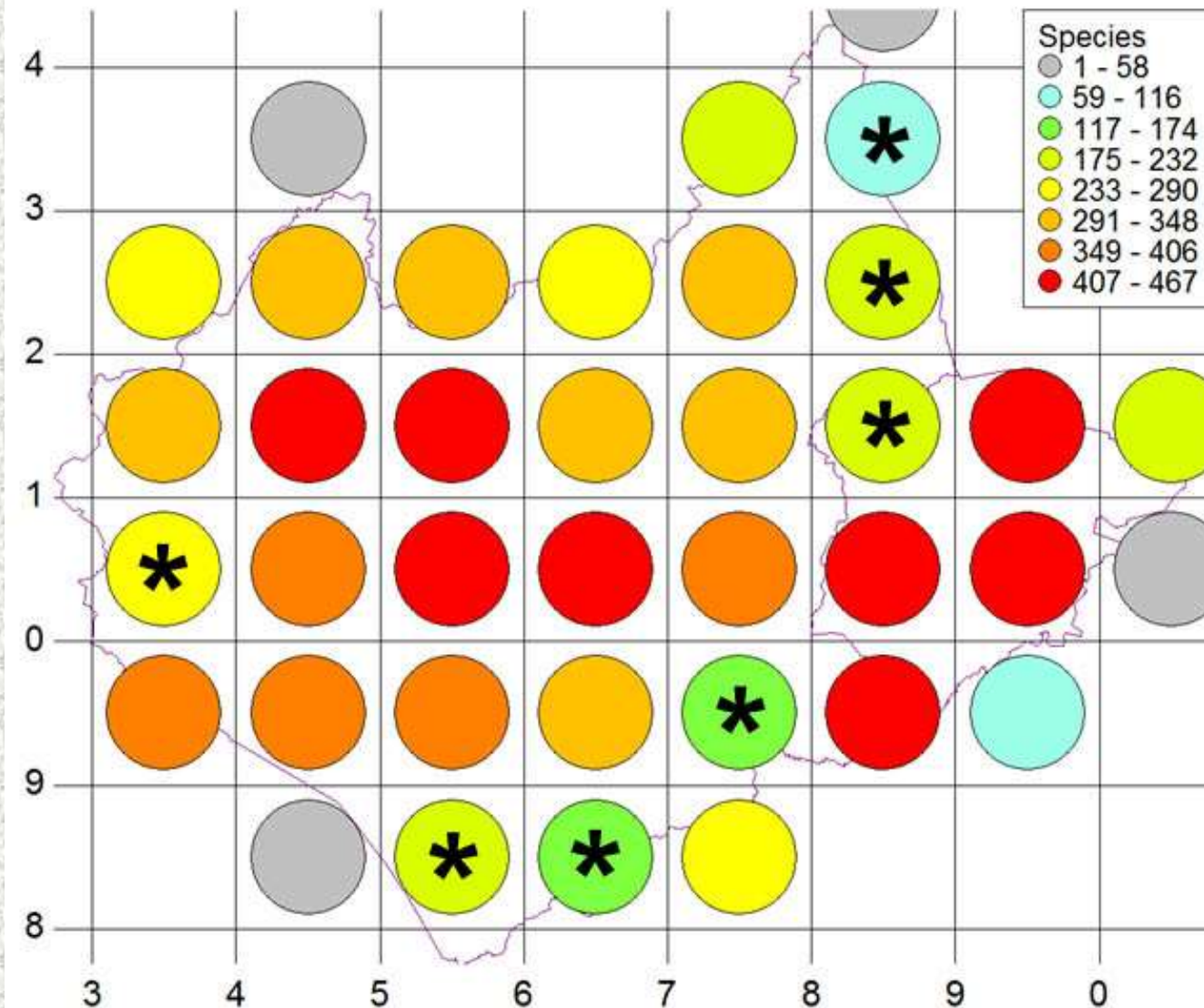
2km squares (tetrads) used for local distribution maps/publications

10km squares used for national distribution maps/atlasses

**Initial priority is to try to record in areas where there are gaps in 10km maps (as in the example above)**

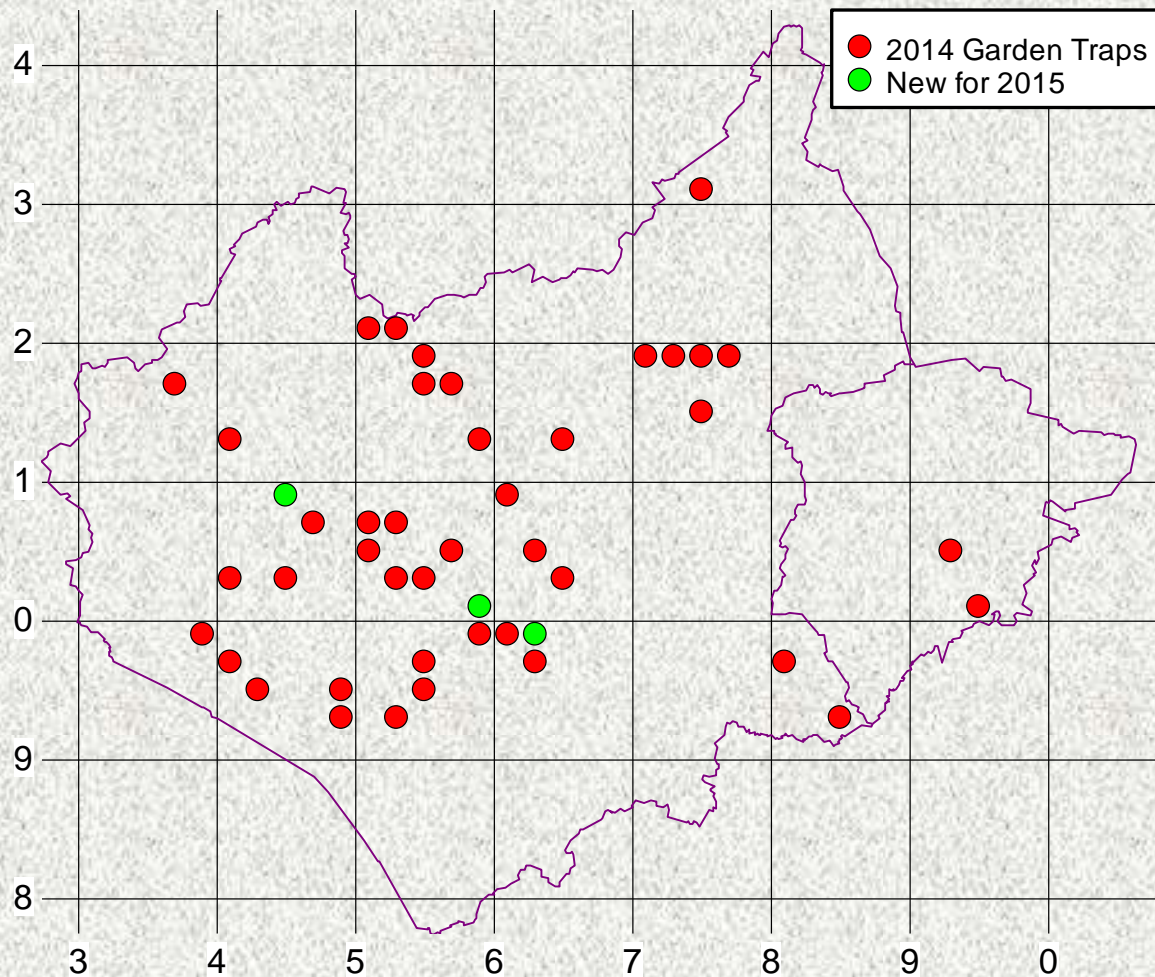
## Macromoths

As of 2013





## Garden Moth Trapping in 2014



### New garden recorders for 2015:

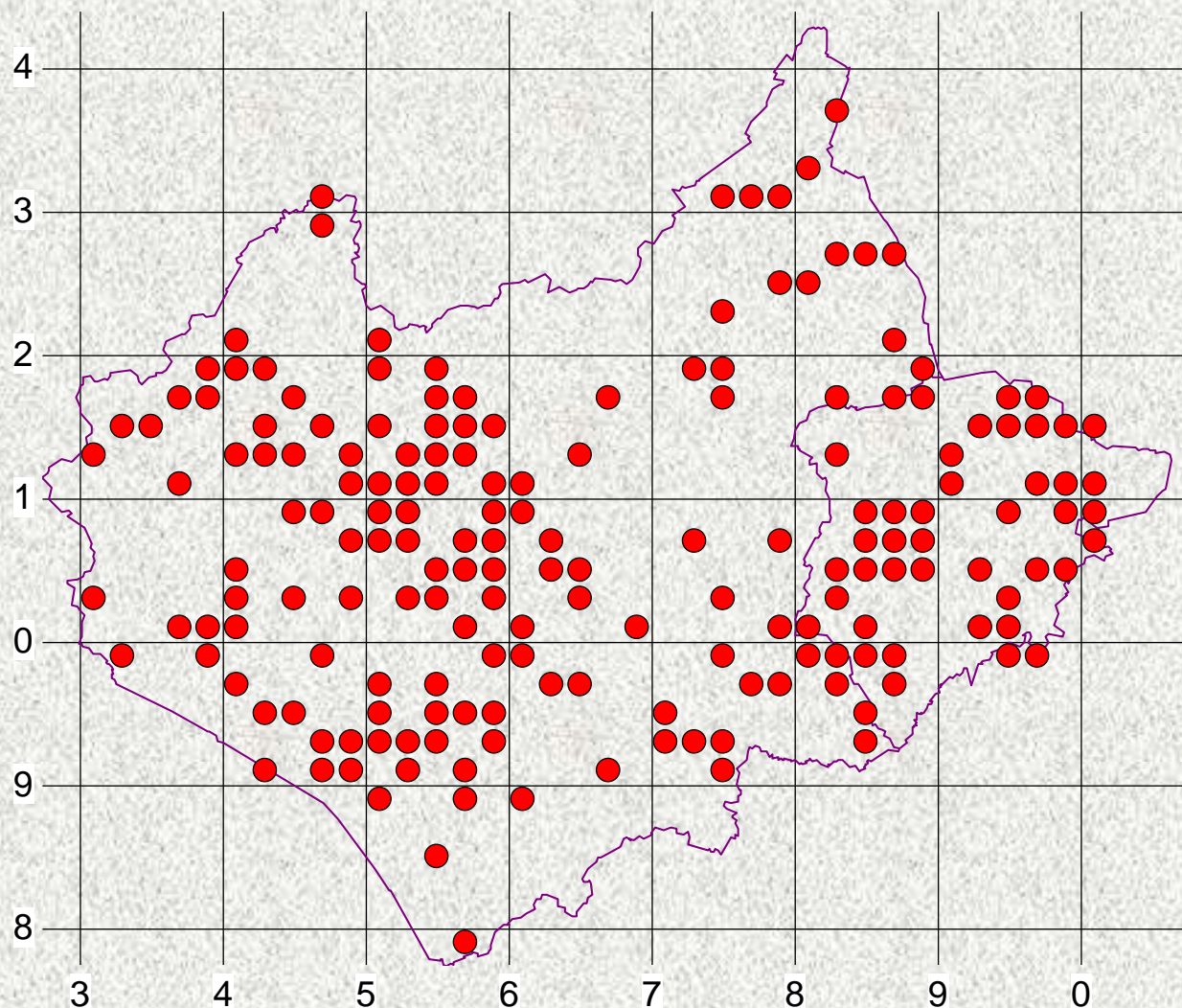
- Alan Herbert (Oadby)
- Sue Timms (Bagworth)
- Annie Smith (Leicester)
- More?

## **Garden Moth Trappers – What more can you do?**

- Run your trap as often as possible: Twice a week rather than once a week will double your chances of recording rare & uncommon species
- Don't forget the ends of the season
- Try and record more micros
- Run your trap in a friend or family member's garden – especially if they live in under-recorded areas. A couple of nights in the main season could add 100+ dots to distribution maps
- Recruit (& support?) new garden trappers – do you know anyone living in the under-recorded areas. Budget (£45)/loan traps available
- Move house to an under-recorded area?!

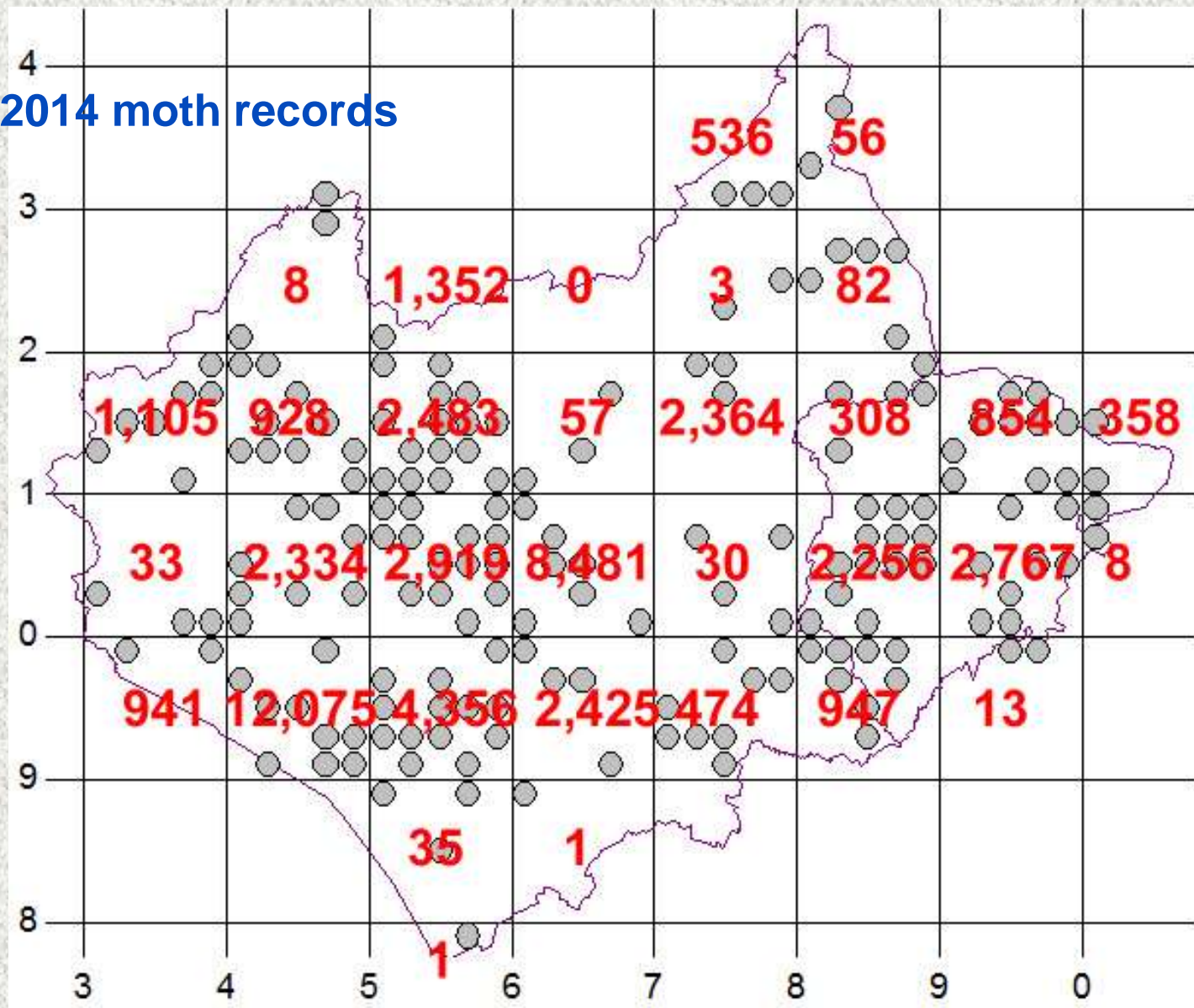


## 2014 moth records



This map is a little deceptive; it appears to show a good distribution of records, but it does not reflect the great disparity in the number of 2014 records from each tetrad

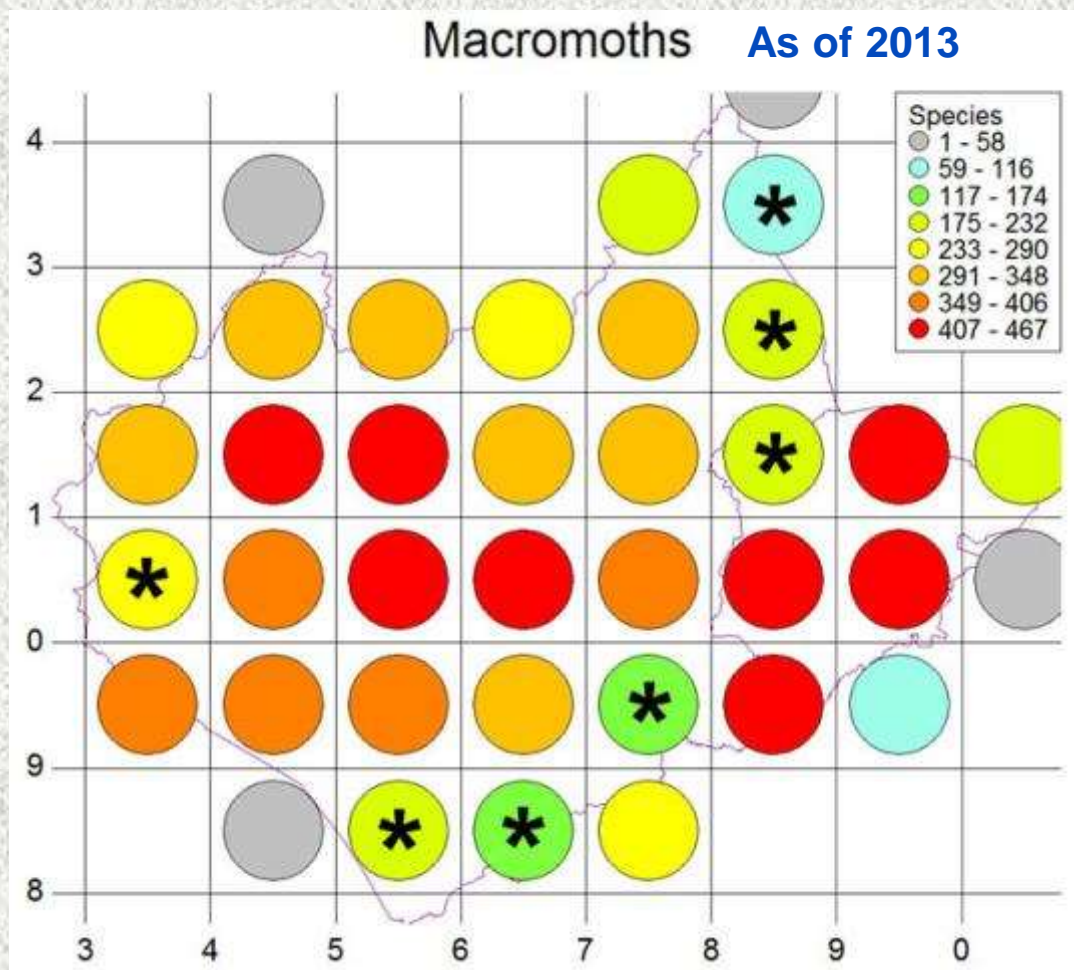
## 2014 moth records



This shows the disparity: one or more regularly trapped gardens in a 10km square will massively boost the number of records from that square



## Get out more often?



APR decided that he needed to lead by example in working under-recorded areas of the county



# Annual Moth Recorders' Meeting 2015

SP79



This little  
used road  
was spotted



## Hallaton Ford

...and an excellent roadside location was found – ideal for a spot of fly-trapping!





## Hallaton Ford





## Hallaton Ford

- Visited on 9 occasions
- 211 species recorded
- 200+ new tetrad records
- 26 new 10km records (inc. Clouded Border, Light Emerald, Mottled Pug, Peach Blossom)
- 5<sup>th</sup> county record of *Agonopterix conterminella*



Annual Moth Recorders' Meeting 2015

## Thorpe Langton & Gt. Bowden

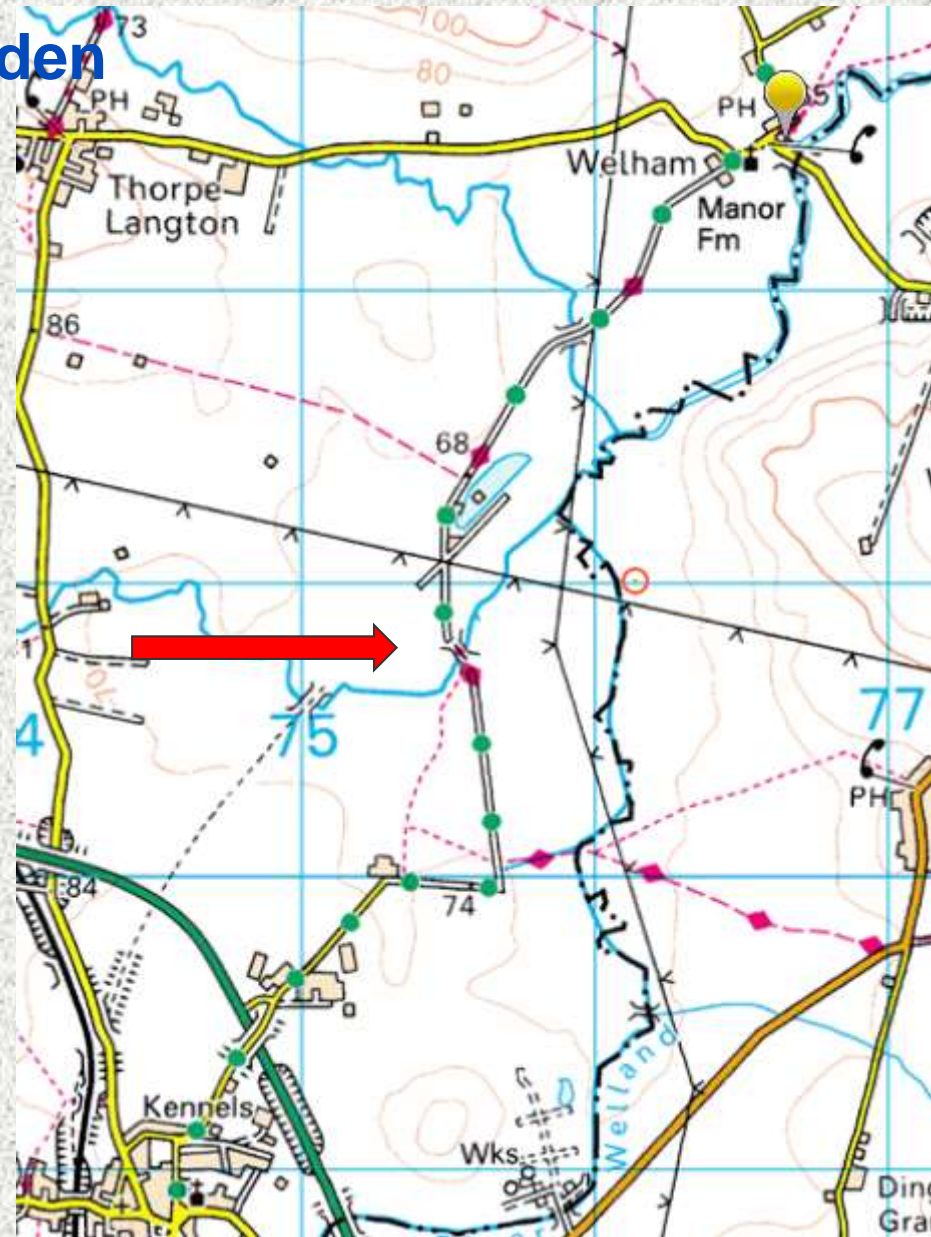


A second site:



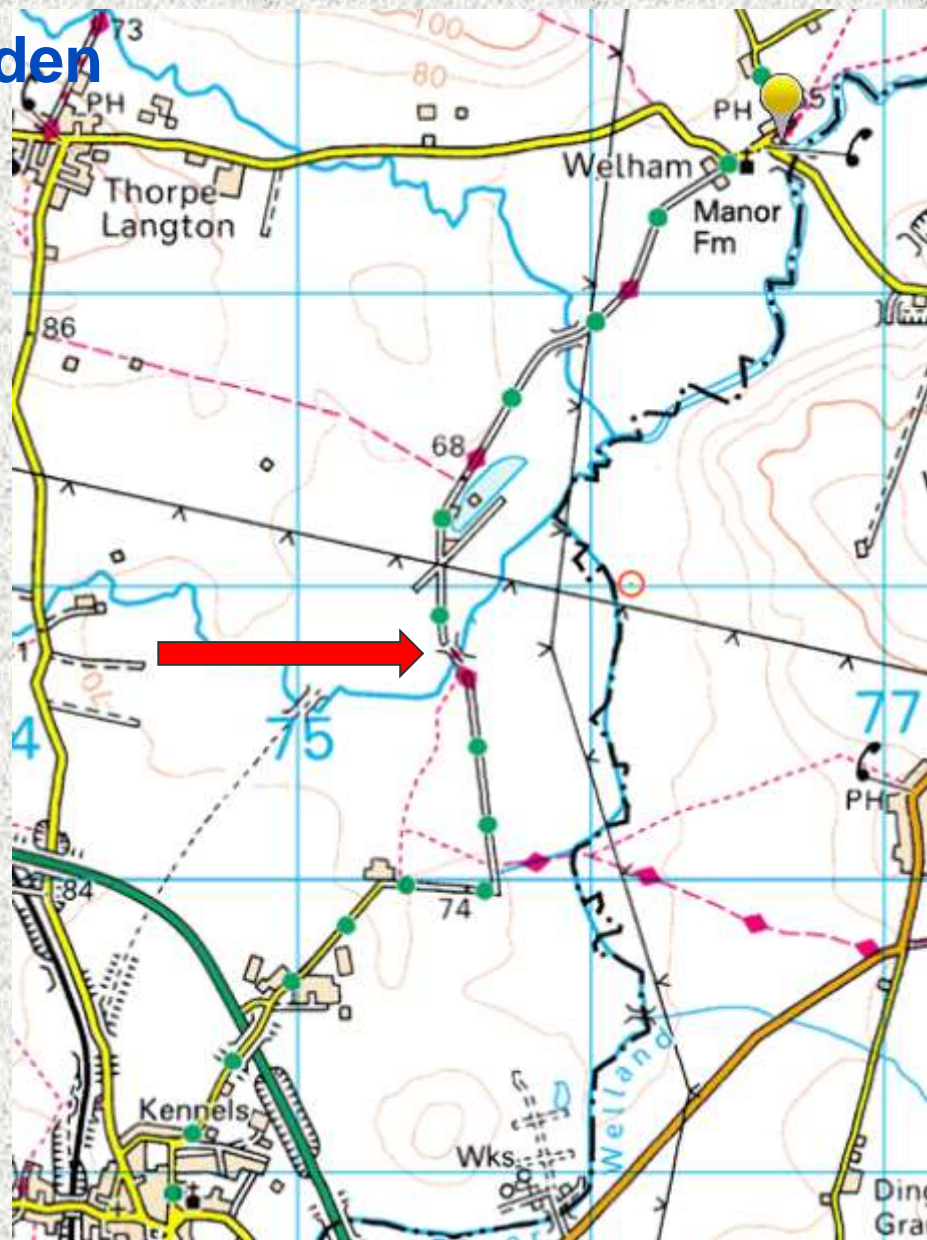
## Thorpe Langton & Gt. Bowden

At the bridge, the  
road is closed to  
through traffic – ideal!



## Thorpe Langton & Gt. Bowden

- Three visits
- Records from two parishes on each occasion (one light either side of the bridge)!
- 75 new tetrad records
- Another 14 new records for SP79



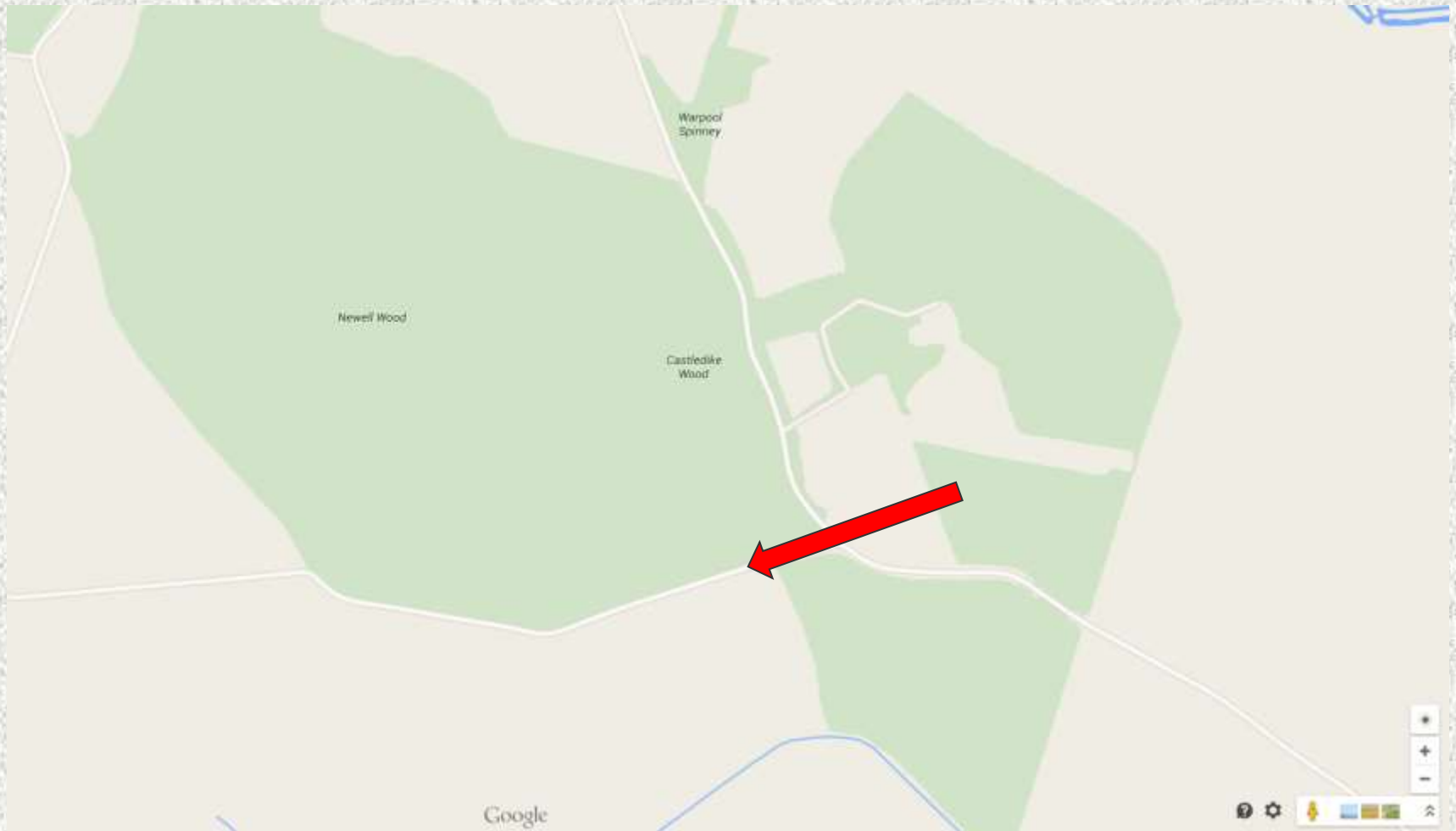


## Newell Wood margins

Newell Wood is a potentially interesting site, though in the past, access for recording could not be obtained



## Newell Wood margins



Google Streetmaps can be an invaluable tool in assessing sites/access



Annual Moth Recorders' Meeting 2015

## Newell Wood margins



Annual Moth Recorders' Meeting 2015

## **Newell Wood margins**





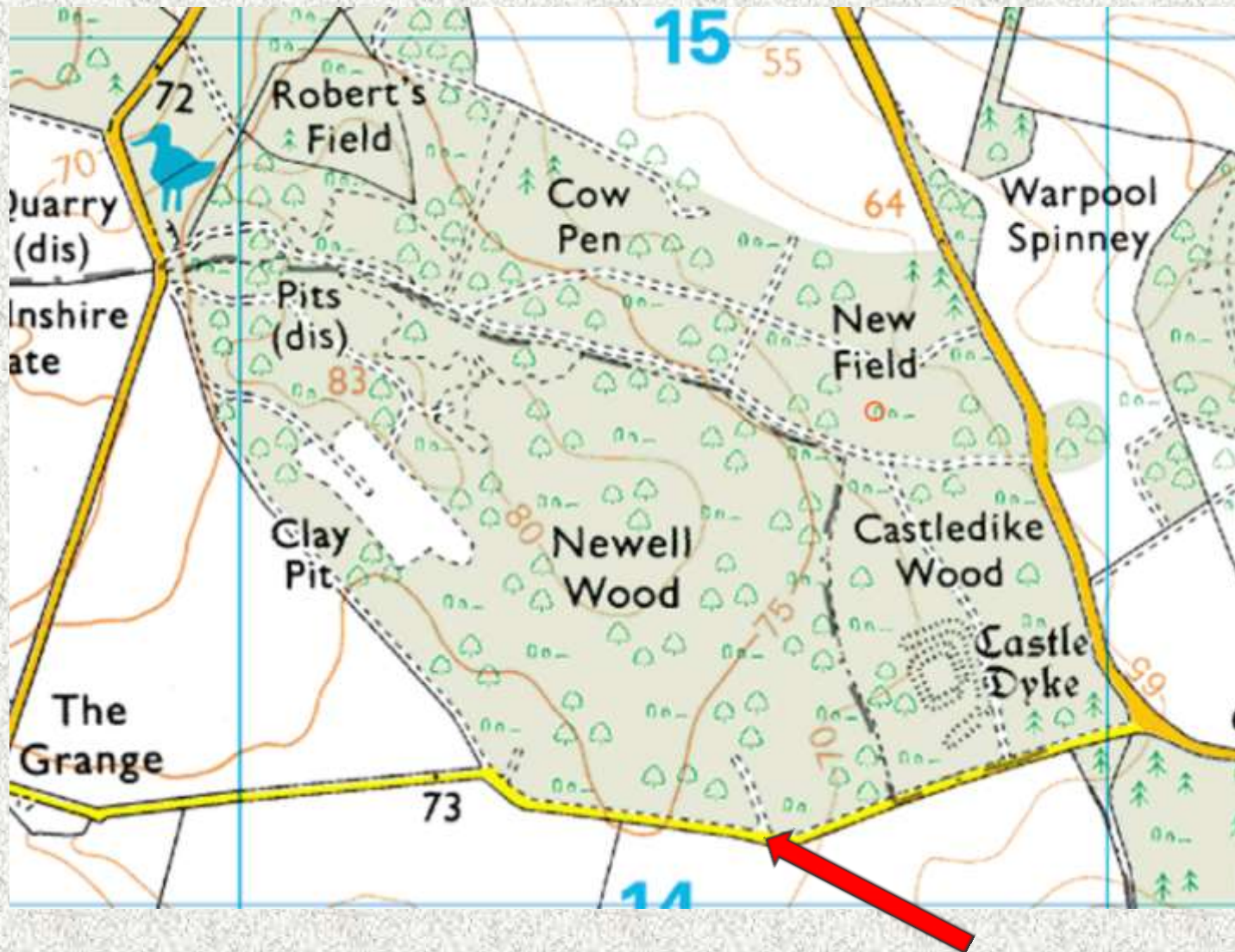
Annual Moth Recorders' Meeting 2015

## **Newell Wood margins**



A lay-by ideally suited for fly-trapping!

## Newell Wood margins





## Newell Wood margins

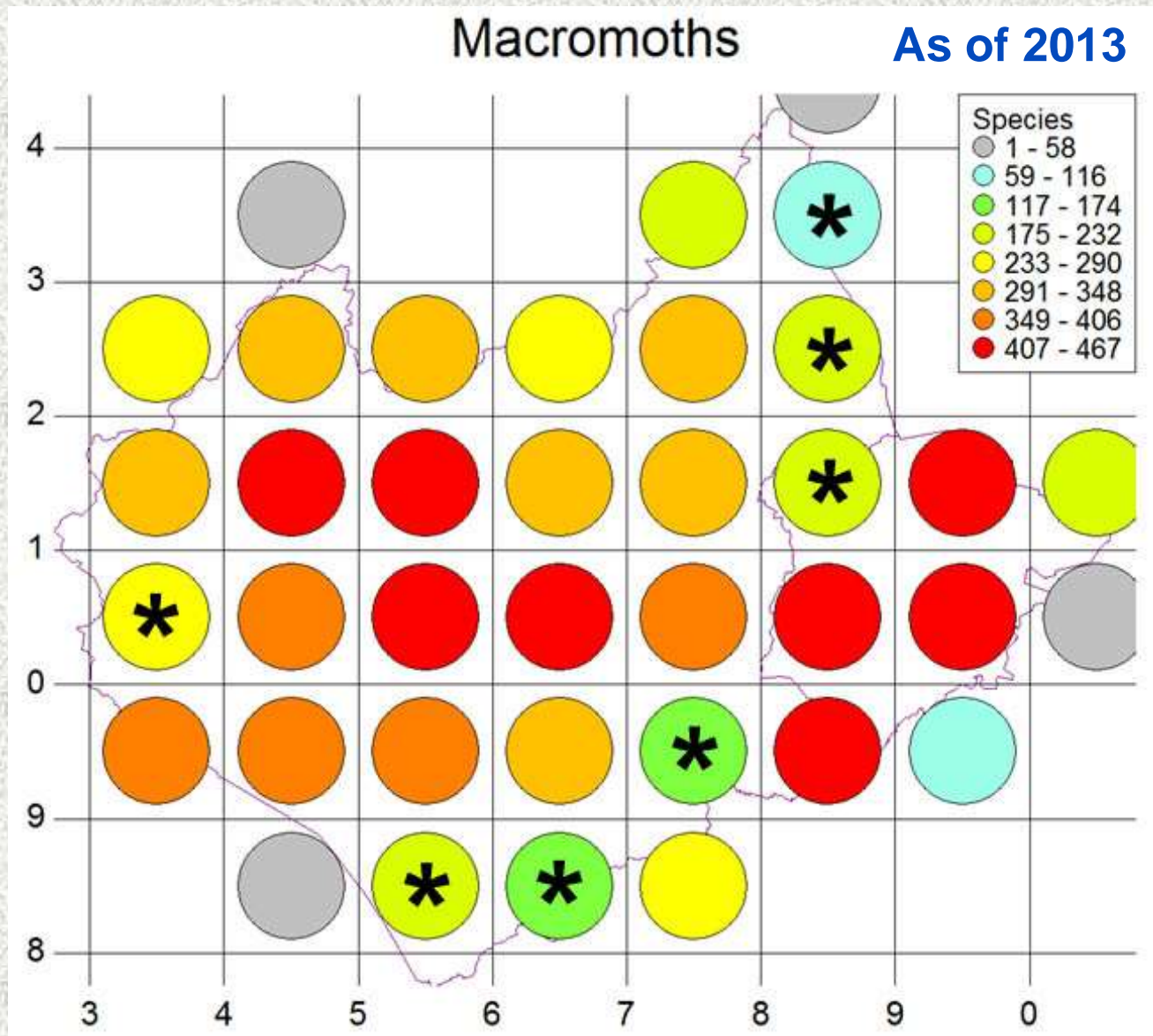
- 8 Visits
- 252 species recorded
- 252 new tetrad records
- 114 new records for TF01
- **Highlights:**
  - *Yponomeuta plumbella*
  - *Sitochroa palealis* x2
  - Brindled White-spot
  - Small Elephant Hawk-moth x6
  - Cream Wave
  - Pale Oak Beauty x10
  - Pine Hawk-moth
  - Black Arches
  - Square-spotted Clay
  - Light Brocade
  - Bordered Sallow



## **APR's personal targets for 2014**

Non-garden trap nights	Target: 50	Actual: 74
New tetrad records	Target: 500	Actual: 1,382
New 10km records	Target: 100	Actual: 422





## **Need help getting out to such areas?**

### **Help available:**

- **Access to sites – e.g. Wildlife Trust reserves**
- **Generator loan (if old ones can be repaired)?**
- **Low-cost, portable, battery-operated trap under-development**
- **Contact APR**

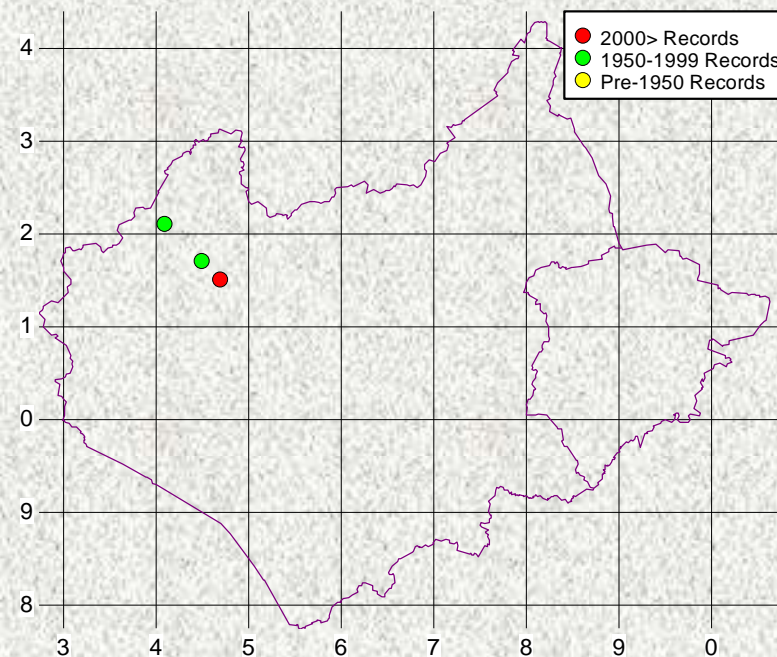


### **Targeted species recording**

- We know that many species are common & widespread
- Or rare and/or only found in certain areas/habitats within VC55
- But there are others where their status & distribution is not fully known:
  - Species not recorded for a number of years- are they extinct?
  - Species only recorded a few times – are they present elsewhere?
  - Species as yet undiscovered.
  - Species doubtfully recorded – can we confirm their presence?
  - Species under-recorded because they don't come to light

# Annual Moth Recorders' Meeting 2015

## 2162 Glaucous Shears (*Papestra biren*)



28/05/1982 High Sharpley

29/05/1964 Charnwood Lodge N.R. (Nr Timberwood Hill)

26/06/1964 Charnwood Lodge N.R.

21/05/1965 Charnwood Lodge N.R.

29/05/1998 Charnwood Lodge N.R.

12/07/1986 Cloud Wood

31/05/2002 Charnwood Lodge NR (marl field)

09/06/2006 Charnwood Lodge NR (marl field & 3c)

1 Peter Gamble

12 Peter Gamble

1 Peter Gamble

1 Peter Gamble

1 Alan Main

1 Brian Statham

1 APR/AJM/MPS

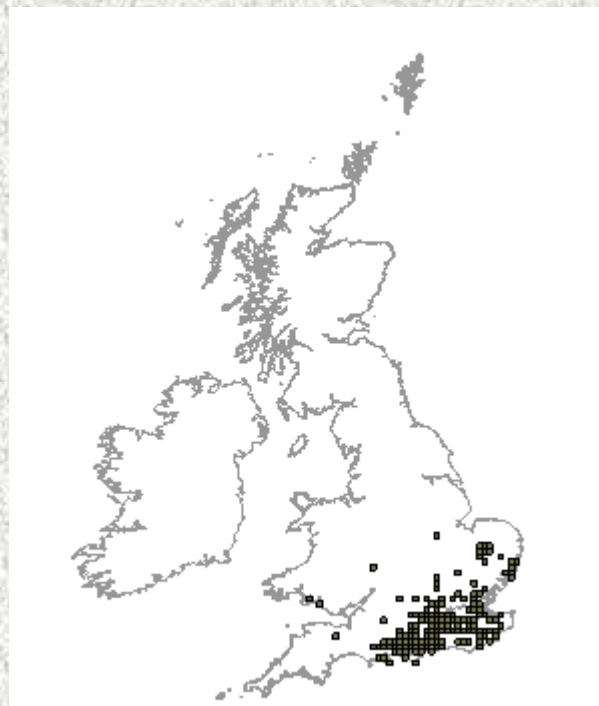
1 APR/AJM/MPS

N.B. Larval foodplant = moorland plants, including heather, bog-myrtle & sallows



**2396 Rosy Marbled (*Elaphria venustula*)**

**First for VC55**



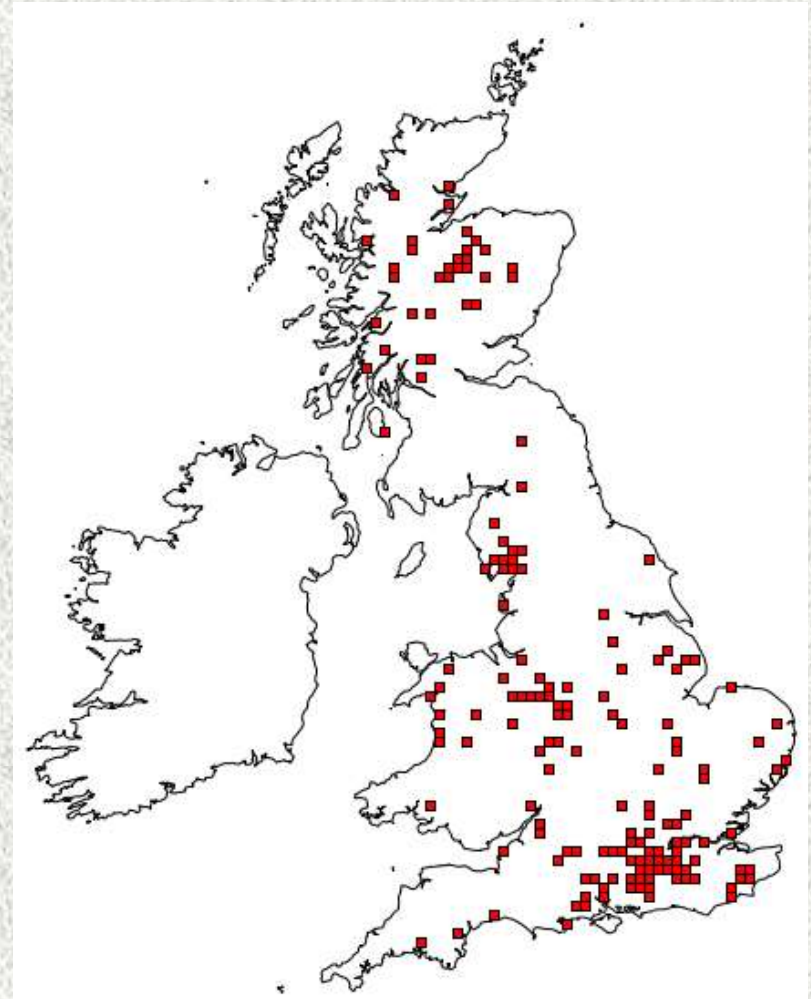
*UK Moths: "The larval foodplant is not fully known in this country, but is suspected to be tormentil (*Potentilla erecta*)."*

**2149 Silvery Arches**

**Extinct?**



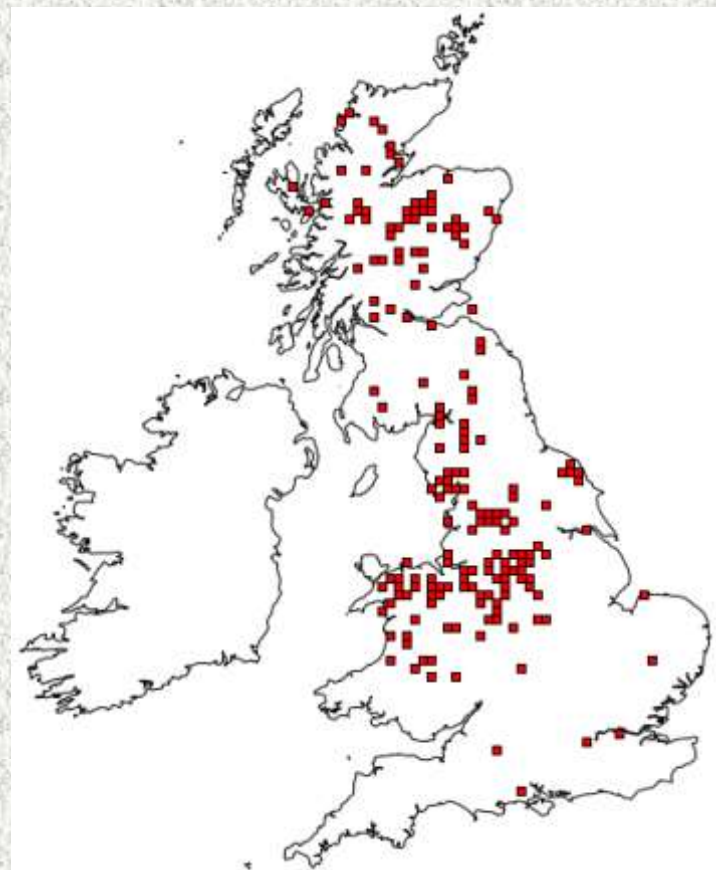
**Not reliably recorded since  
1993 when it was recorded from  
Morley Quarry, Shepshed on  
two occasions**





**2233 Golden-rod Brindle**

**Extinct?!**



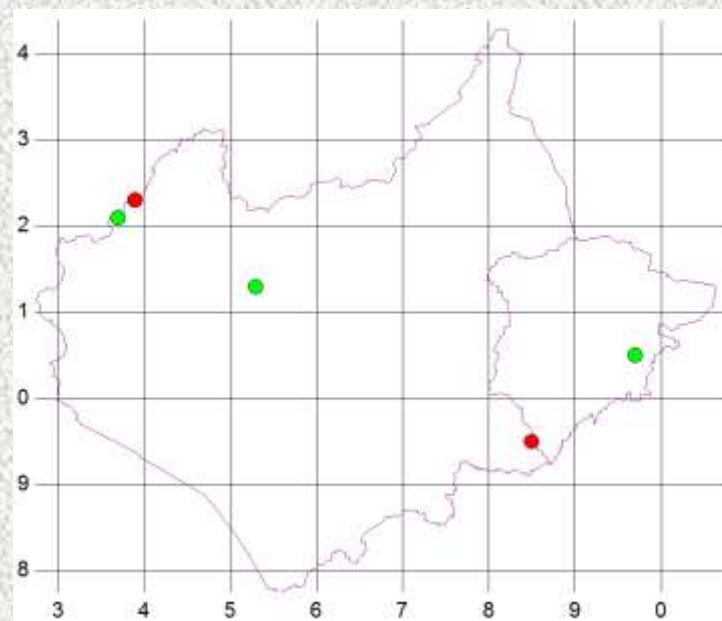
**Recorded from Whitwick in  
1940's. Last recorded from  
Charnwood Lodge in 1980**

N.B. Larval foodplant = Heather, Bilberry

# Annual Moth Recorders' Meeting 2015

## 1658 Oak Lutestring

Rare – not recorded since 2006



25/08/1961 Swithland Wood

M. J. Leech

30/08/1985 Spring Wood

5 Graham Finch

21/08/1987 Dimminsdale, Staunton Harold

1 Peter Gamble

30/08/1997 Ketton Quarry

Jane McPhail

08/09/2002 Eyebrook Reservoir

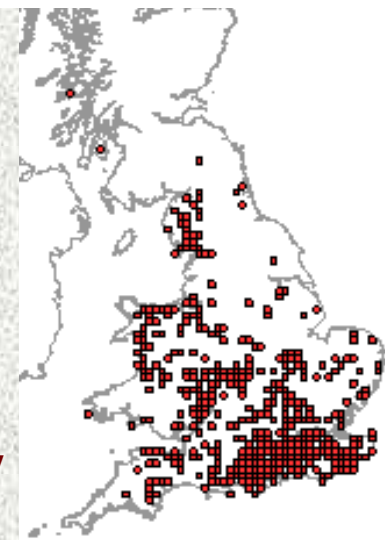
1 Jean Harvey

27/08/2006 Spring Wood (Blunt's area)

30 David Budworth

N.B. Larval foodplant = Oak

**Declined nationally  
by 88% 1968-2007**





# Annual Moth Recorders' Meeting 2015

## VERY PROVISIONAL List of Group Moth Trapping Sessions for 2015

14/05/2015	Spinney Hill Park, Leicester	City Bioblitz
29/05/2015 or 05/06/2015	Charnwood Lodge N.R.	Glaucous Shears, Fox Moth, Alder Kitten, etc. An overnight session - evening and/or morning
17/06/2015 or 18/06/2015	Loughborough University	University Moth Night (mid-week)
26/06/2015?	Swithland Wood	Rosy Marbled, etc. Main ride accessible by car
03/07/2015?	Morley Quarry, Shepshed	Silvery Arches
11/07/2015?	Belvoir Woodlands	General. Extensive woodlands with space for numerous lights. Possible overnight session.
15/08/2015?	Newfields Colliery N.R.	<del>Golden-rod Brindle</del> *, Annulet, Heath Rustic. Assistance needed with carrying kit into site
28/08/2015?	Spring Wood	Oak Lutestring
11/09/2015	Swithland Wood	National Moth Night (10/09/15 to 12/09/15) Main ride accessible by car

**A finalised version will be circulated in April**

\* Correction – this species has been declared extinct in VC55! ;-)

## Other species-targeted fieldwork

- There are plenty of examples where recorders can help.
- Often, no special equipment is required
- Here are just a few ideas (contact APR for more!):

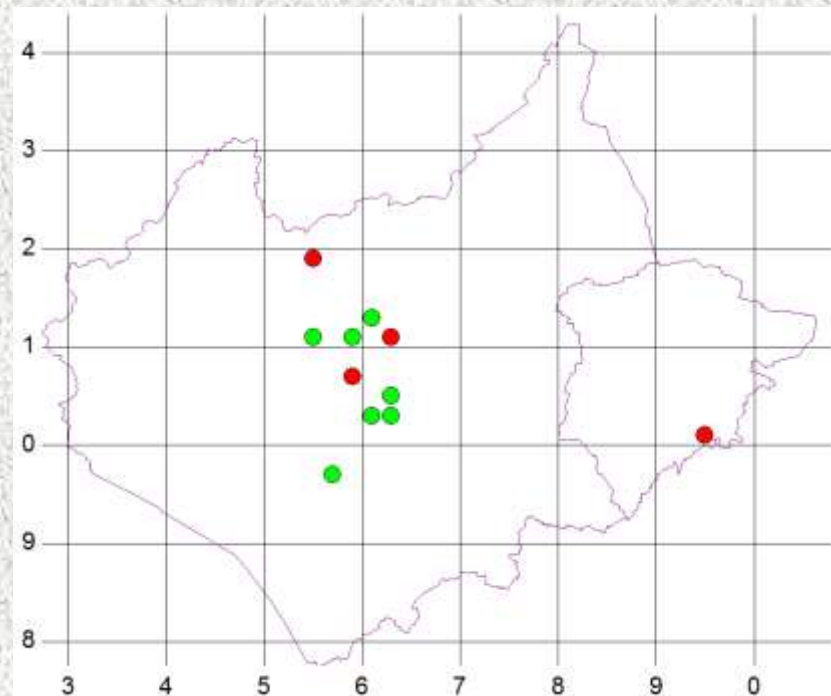


# Annual Moth Recorders' Meeting 2015

## 2211 The Wormwood



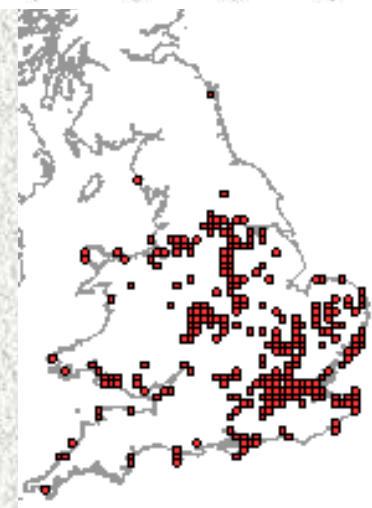
Rare



Check or sweep  
wormwood  
plants for larvae



N.B. Larval foodplant = Wormwood or Mugwort



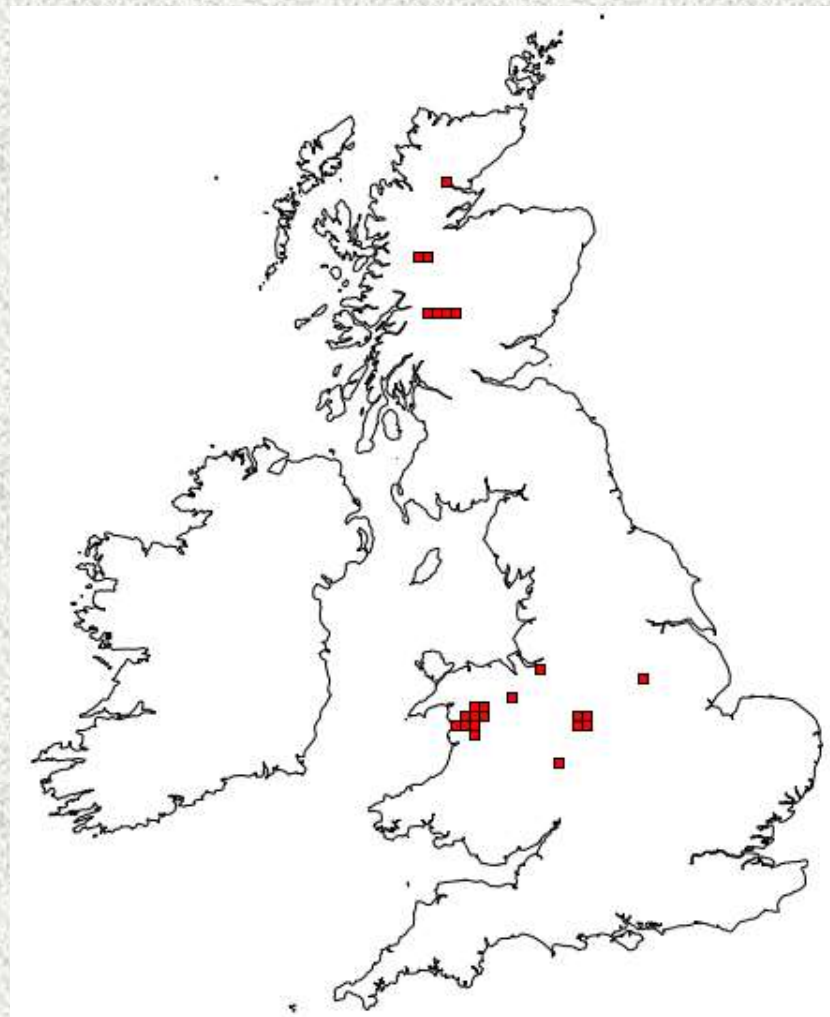
# Annual Moth Recorders' Meeting 2015

## 376 Welsh Clearwing

**Not recorded from VC55 – Undiscovered?!**



N.B. Larval foodplant = Birch



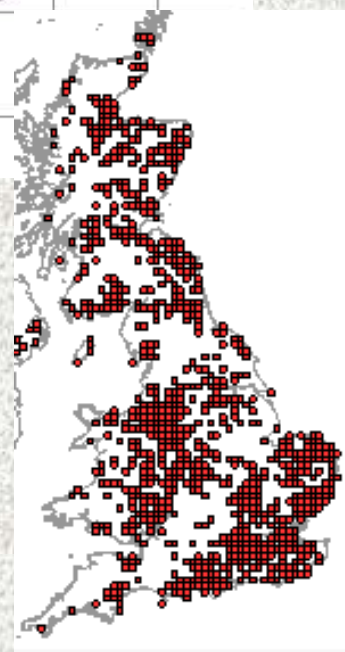
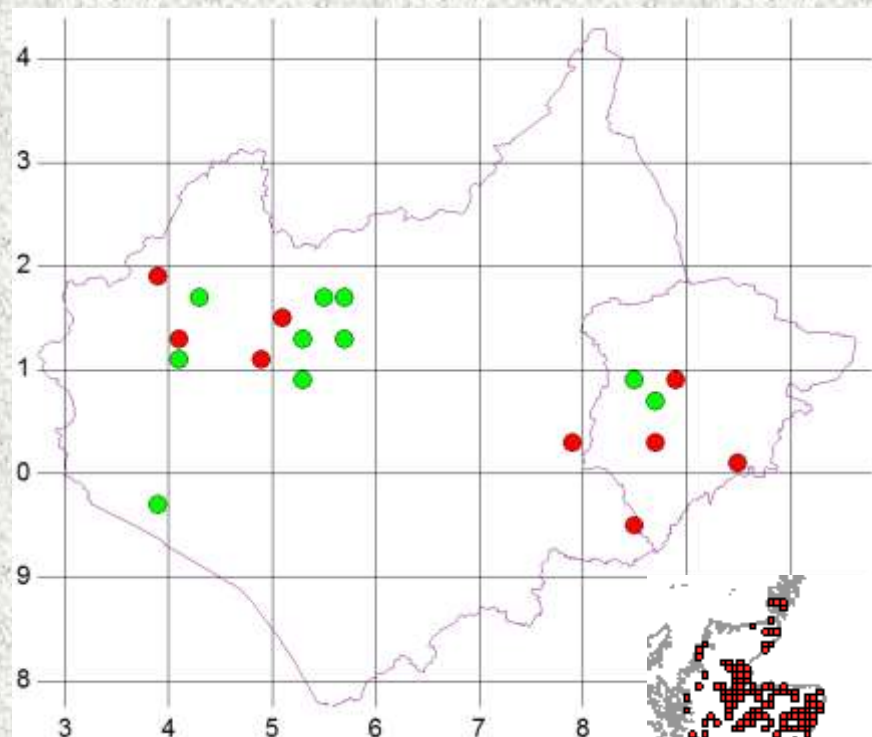
**Look for signs of larval emergence on birches in Charnwood**



# Annual Moth Recorders' Meeting 2015

## 1864 The Streak

Rare – not recorded since 2005



07/10/2005 Beacon Hill  
11/10/2005 Felicity's Wood  
14/10/2005 Martin's Wood, Woodhouse

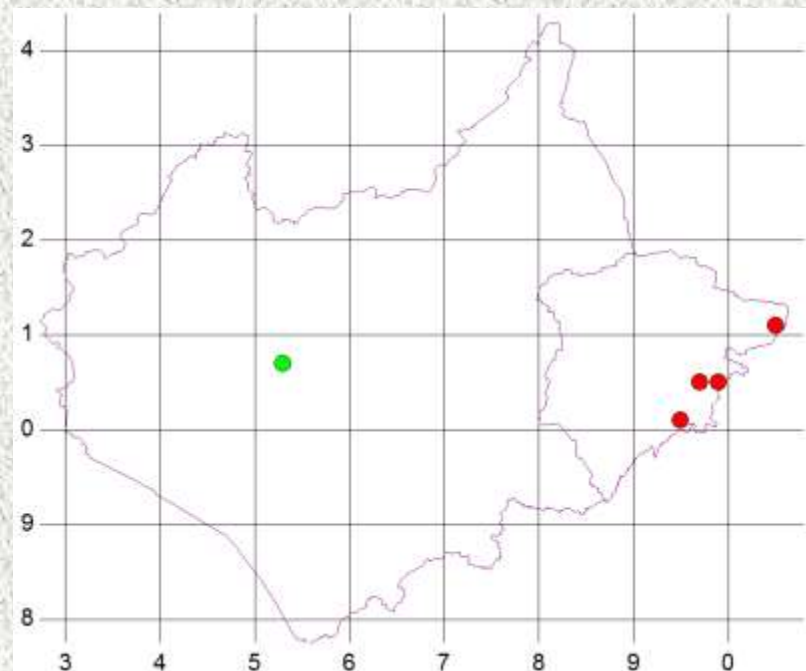
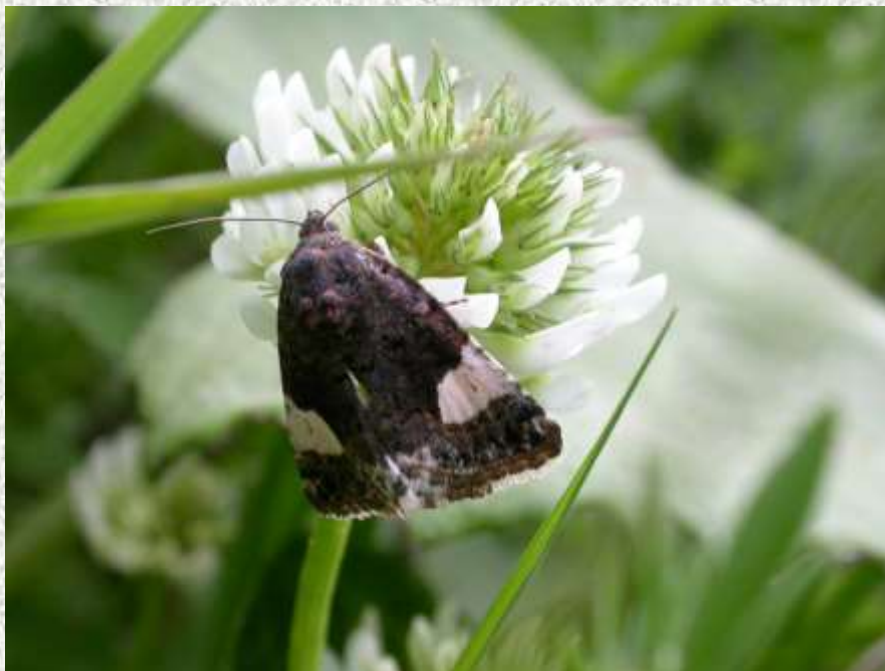
1 Graham Finch  
5 Steve Blandford  
1 Harry Ball

N.B. Larval foodplant = Broom

**Moths often sit on broom at night –  
check by torchlight**

## 2465 The Four-spotted

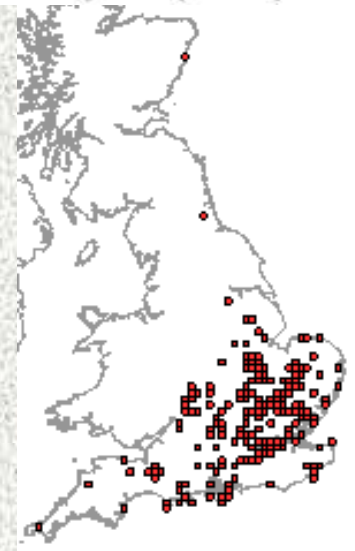
Rare



**2010-2014: No records**

Ketton Quarry N.R., particularly along northern boundary needs monitoring. Being double-brooded, this day-flying moth has a relatively long flight period.

N.B. Larval foodplant = Field Bindweed

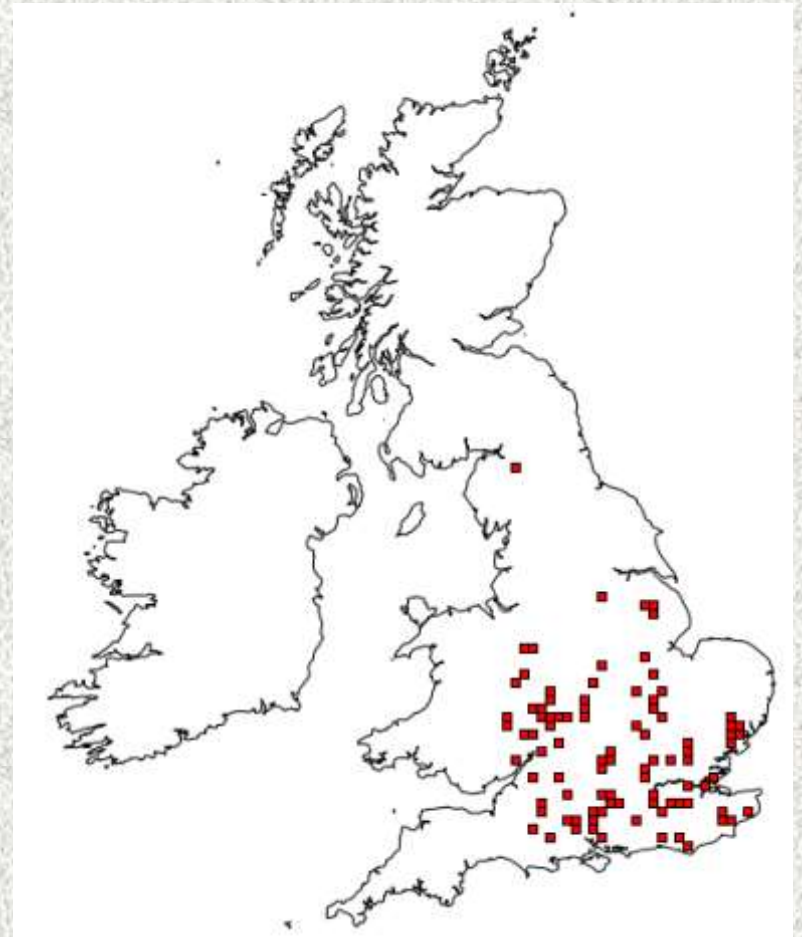




## Annual Moth Recorders' Meeting 2015

### 1662 Light Orange Underwing

**Waiting to be re-discovered!**



**Last recorded from Burbage Wood in 1940's**

**Flies around Aspen in sunshine, March to April**

N.B. Larval foodplant = Aspen

**Thank You!**