

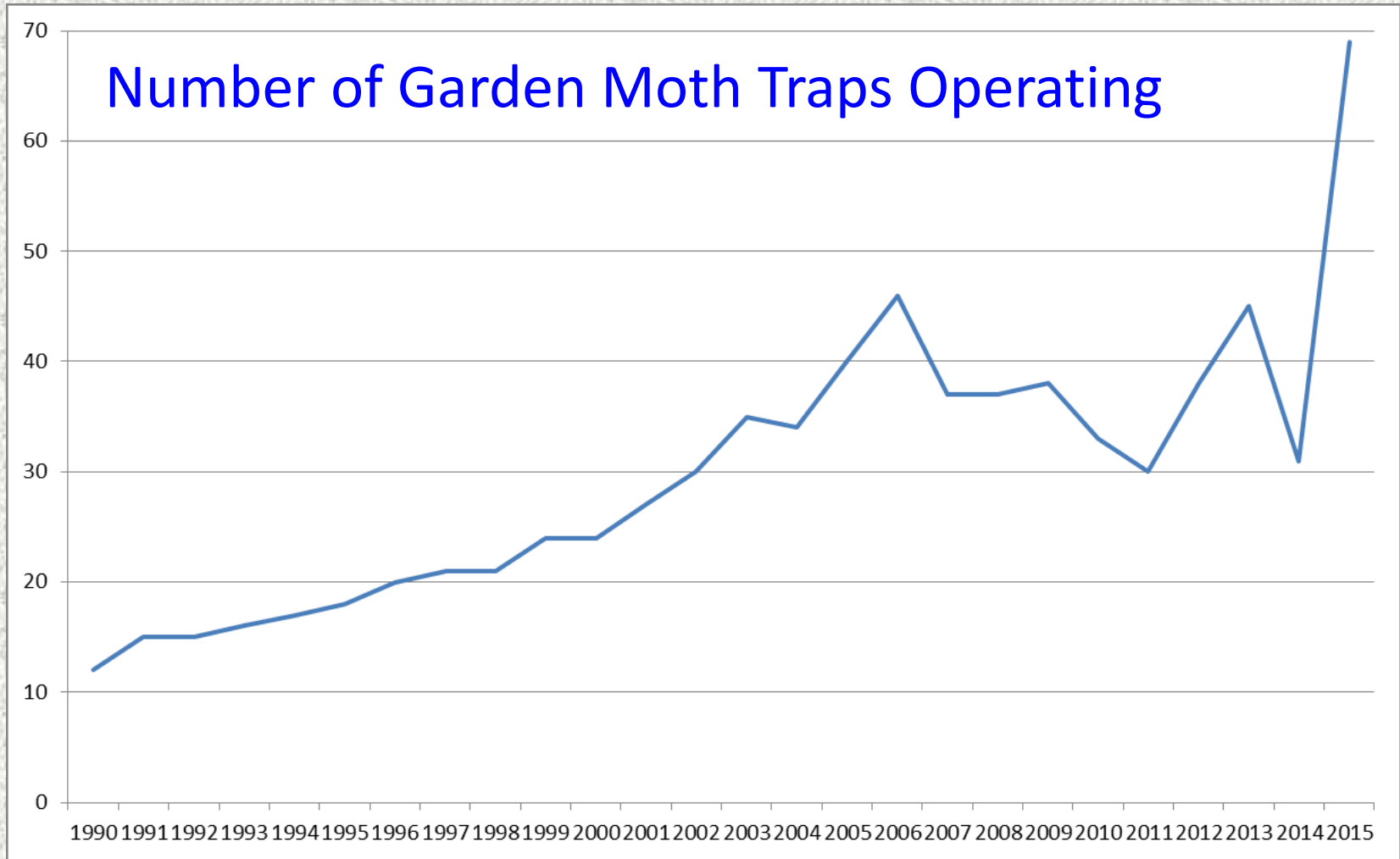
# Annual Moth Recorders' Meeting 2016

Adrian Russell

- Review of 2015
- Looking ahead & future recording

<b>Headline Statistics:</b>	<b>2015</b>	<b>(2014)</b>
• Lepidoptera records:	<b>64,249</b>	(63,201)
• Moth records:	<b>53,554</b>	(53,542)
• Species of moth recorded	<b>905</b>	(984)
• Moth recorders	<b>99</b>	(88)

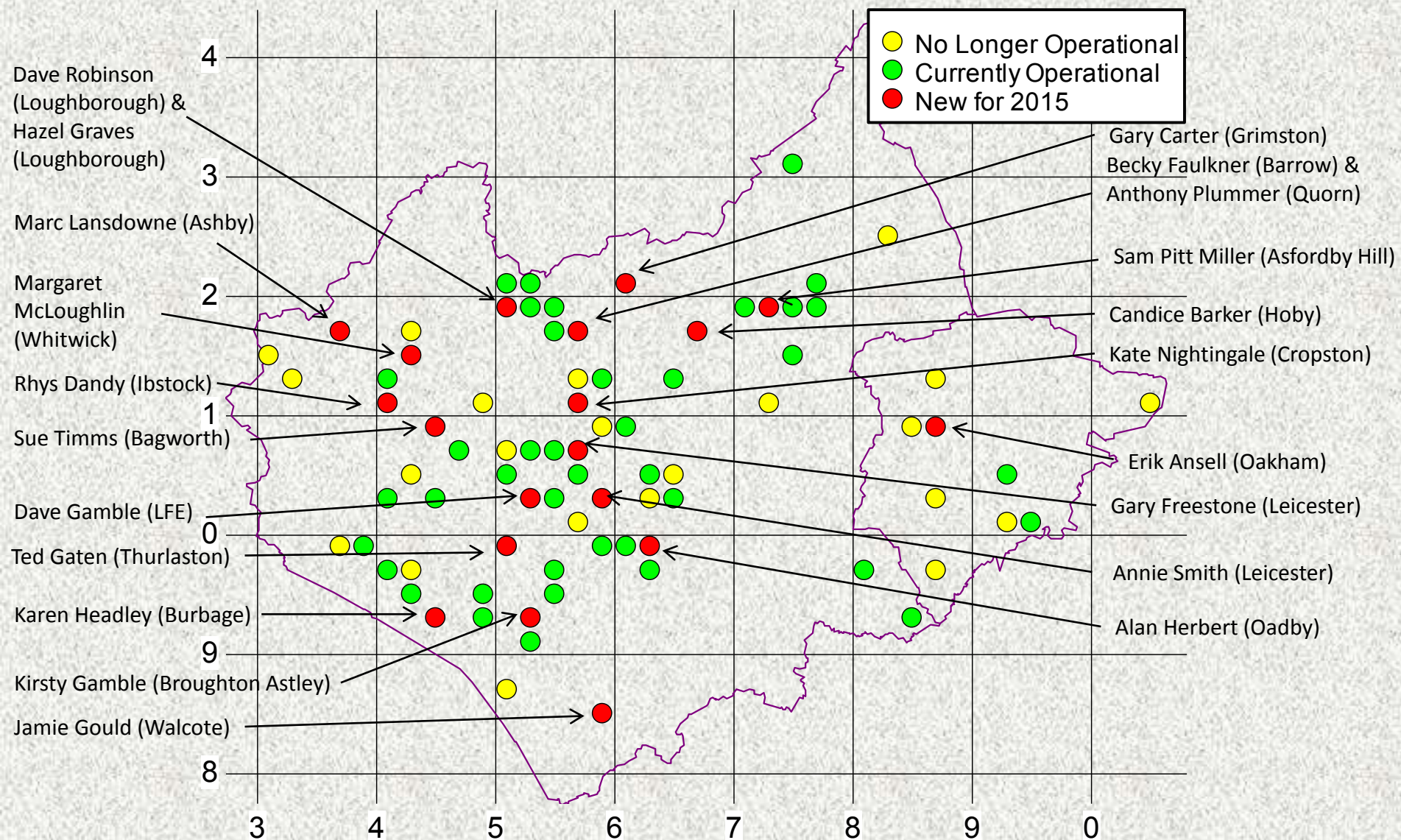
**A total of 69 in 2015!**



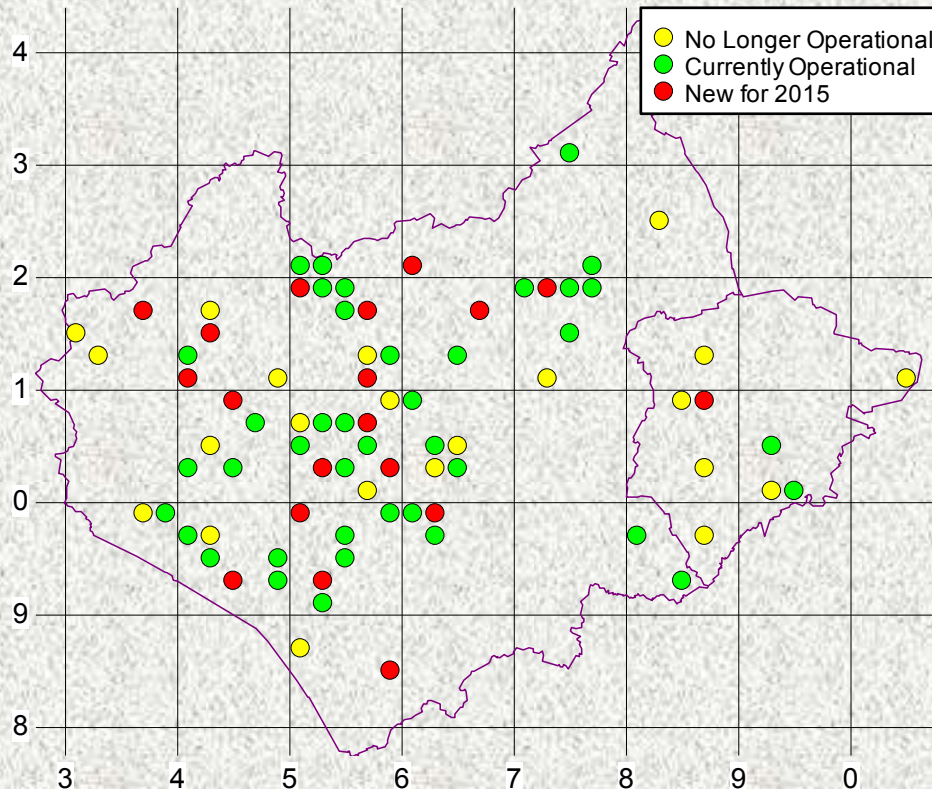
N.B. In one or two instances “new” includes garden traps operated in previous years, but data newly received in 2015



## Post-2000 Garden Moth Trapping - New for 2015



Hopefully, we will have records from an additional (new) 11 garden moth trappers in 2016, living in:



- Ashby
- Quorn
- Kirby Muxloe
- Fleckney
- Kirkby Mallory
- Earl Shilton (x2)
- Woodhouse Eaves
- Grace Dieu
- Whetstone
- Kibworth

- Some highlights from 2015
- Species showing changes in status & distribution, etc.
- Special focus on some dayflying species, clearwings, reedbed moths & migrants
- Miscellaneous items of general interest!



## 163 The Forester (*Adscita statices*)



Photo: Kate Nightingale

31/05/2015	Felicity's Wood, Woodhouse	3	Steve Blandford
31/05/2015	Rough Hill, Newtown Linford	3	Steve Blandford
07/06/2015	Loughborough, near Miller's Bridge	1	Steve Blandford
08/06/2015	Martin's Wood, Woodhouse	1	Steve Blandford
08/06/2015	Rough Hill, Newtown Linford	4	Adrian Russell
08/06/2015	Rough Hill, Newtown Linford	6	Steve Blandford
11/06/2015	Puddledyke	6	Kate Nightingale
19/06/2015	Billa Barra Hill	1	Dave Wright
21/06/2015	Bradgate Park, Hallgates	2	Steve Woodward
23/06/2015	Puddledyke, Newtown Linford	2	Dave Robinson
02/07/2015	Rough Hill, Newtown Linford	1	Marc Lansdowne
15/07/2015	Puddledyke	3	Kate Nightingale

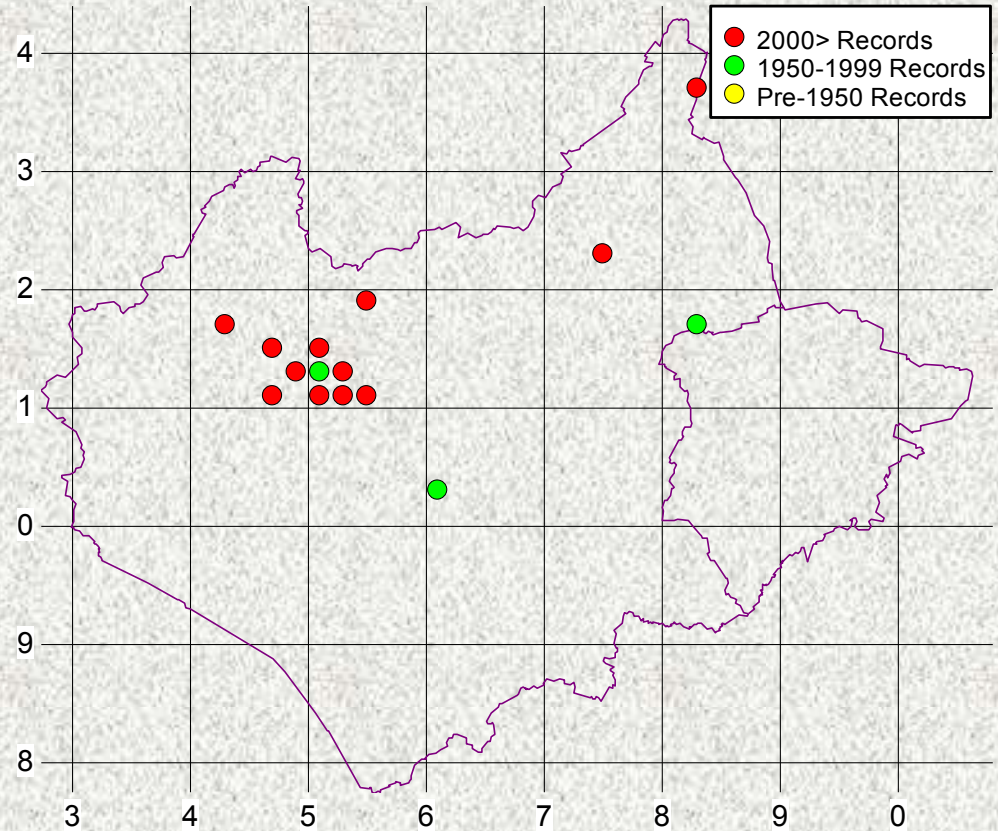
More records in 2015 than any other previous year

Larval Foodplant: Common Sorrel

## 163 The Forester (*Adscita statices*)



Photo: Kate Nightingale



Larval Foodplant: Common Sorrel



## 2397 Small Yellow Underwing (*Panemeria tenebrata*)



Photo: Adrian Russell

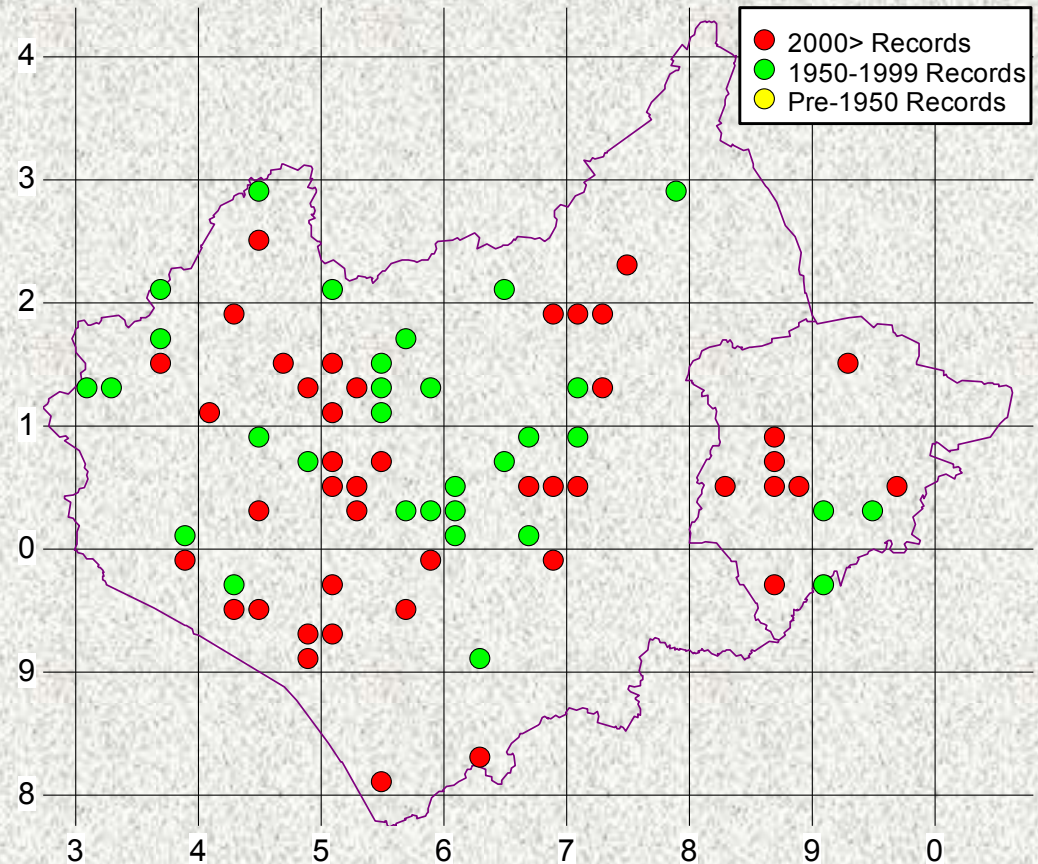
01/05/2015 Asfordby Hill	1	Matthew Billings
16/05/2015 Brascote Sand Pits	3	David Taylor
16/05/2015 Rough Hill, Newtown Linford	6	Adrian Russell
21/05/2015 Broughton Astley, The Grange Fields	5	Graham Calow
23/05/2015 Asfordby Hill	2	Matthew Billings
26/05/2015 Rough Hill, Newtown Linford	31	Adrian Russell
27/05/2015 Shenton Estates Brook Spinney	1	Rosalind Smith
27/05/2015 Shenton Estates Towers	1	Rosalind Smith
31/05/2015 Beacon Hill Country Park	4	Steve Blandford
31/05/2015 Rough Hill, Newtown Linford	20	Steve Blandford
31/05/2015 Woodhouse fields	20	Steve Blandford
04/06/2015 Rough Hill, Newtown Linford	20	Steve Blandford
04/06/2015 Rough Hill, Newtown Linford	29	Adrian Russell
04/06/2015 Ulverscroft NR	3	Steve Blandford
05/06/2015 Broughton Astley, The Grange Fields	1	Graham Calow
06/06/2015 Kendals meadow, Sutton Cheney		Rosalind Smith
08/06/2015 Rough Hill, Newtown Linford	1	Adrian Russell
08/06/2015 Rough Hill, Newtown Linford	20	Steve Blandford
12/06/2015 48 Woodland Road, Hinckley	1	Harvey Wood
16/06/2015 Shenton Estates Far Greenhills	1	Rosalind Smith

Larval Foodplant: Mouse-ear (*Cerastium* spp.), especially common mouse-ear (*C. holosteoides*)

## 2397 Small Yellow Underwing (*Panemeria tenebrata*)



Photo: Graham Calow



Larval Foodplant: Mouse-ear (*Cerastium* spp.), especially common mouse-ear (*C. holosteoides*)



## 1807 Grass Rivulet (*Perizoma albulata*)



Photo: Adrian Russell

### All post-1950 records:

1955	Thurlaston		Fr. Desmond Murray
13/05/1961	Swithland Wood		M. J. Leech
1966	Barrow-upon-Soar		S. R. Davey
27/05/1974	Ulverscroft (South of Polly Botts La.)		Peter Gamble
1980	Ulverscroft		Peter Gamble
1989	Empingham R.I.T.	1	Monty Tyler
1992	Kirby Muxloe garden		Jane McPhail
31/05/1997	Rutland Water, Eggleton Reserve	1	Jean Harvey
08/06/2004	Burley Wood	1	John Wright
24/06/2011	Loddington R.I.T.	1	Rothamsted I.S.
2011	Harecroft Crescent, Sapcote	1	Graham Calow
18/06/2013	St Catherines Ave., Mkt Bosworth	1	Angela Davies
30/06/2013	Barlestone garden	1	Jack Riggall
25/05/2015	Rough Hill, Newtown Linford	2	Steve Blandford
26/05/2015	Rough Hill, Newtown Linford	4	Adrian Russell
31/05/2015	Main Street, Asfordby	1	Peter Thornton
31/05/2015	Rough Hill, Newtown Linford	1	Steve Blandford
04/06/2015	Rough Hill, Newtown Linford	4	Adrian Russell
08/06/2015	Rough Hill, Newtown Linford	2	Adrian Russell
08/06/2015	Rough Hill, Newtown Linford	3	Steve Blandford
12/06/2015	Dovecote Close, Barrowden	1	Ron Follows

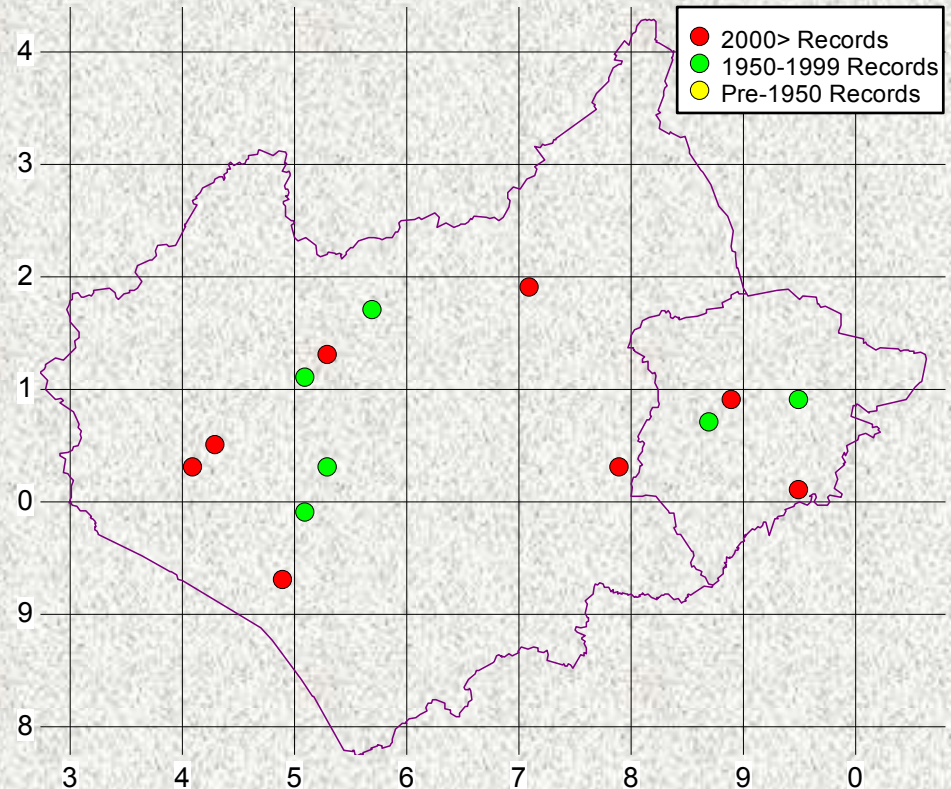
Larval Foodplant: seeds of yellow rattle (*Rhinanthus minor*)



## 1807 Grass Rivulet (*Perizoma albulata*)



Photo: Steve Blandford



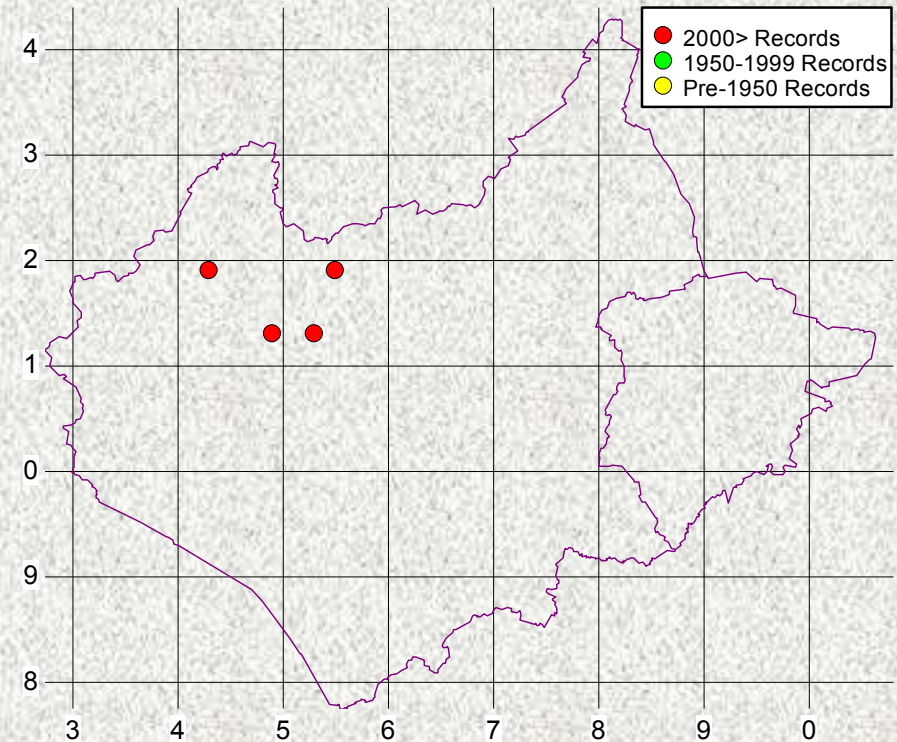
A rare species in VC55

Larval Foodplant: seeds of yellow rattle (*Rhinanthus minor*)

## 1822 Marsh Pug (*Eupithecia pygmaeata*)



Photo: Adrian Russell



### All post-1950 records:

06/06/2006	Ulverscroft NR	1	Keith Tailby
23/05/2009	Grace Dieu (compartment 72)	1	Ray Morris
23/05/2009	Grace Dieu (compartment 72)	3	Graham Finch
09/06/2010	Loughborough, near Miller's Bridge	1	Steve Blandford
09/06/2010	Loughborough, near Miller's Bridge	1	Steve Blandford
04/06/2015	Rough Hill, Newtown Linford	1	Keith Tailby & Adrian Russell
08/06/2015	Rough Hill, Newtown Linford	1	Adrian Russell

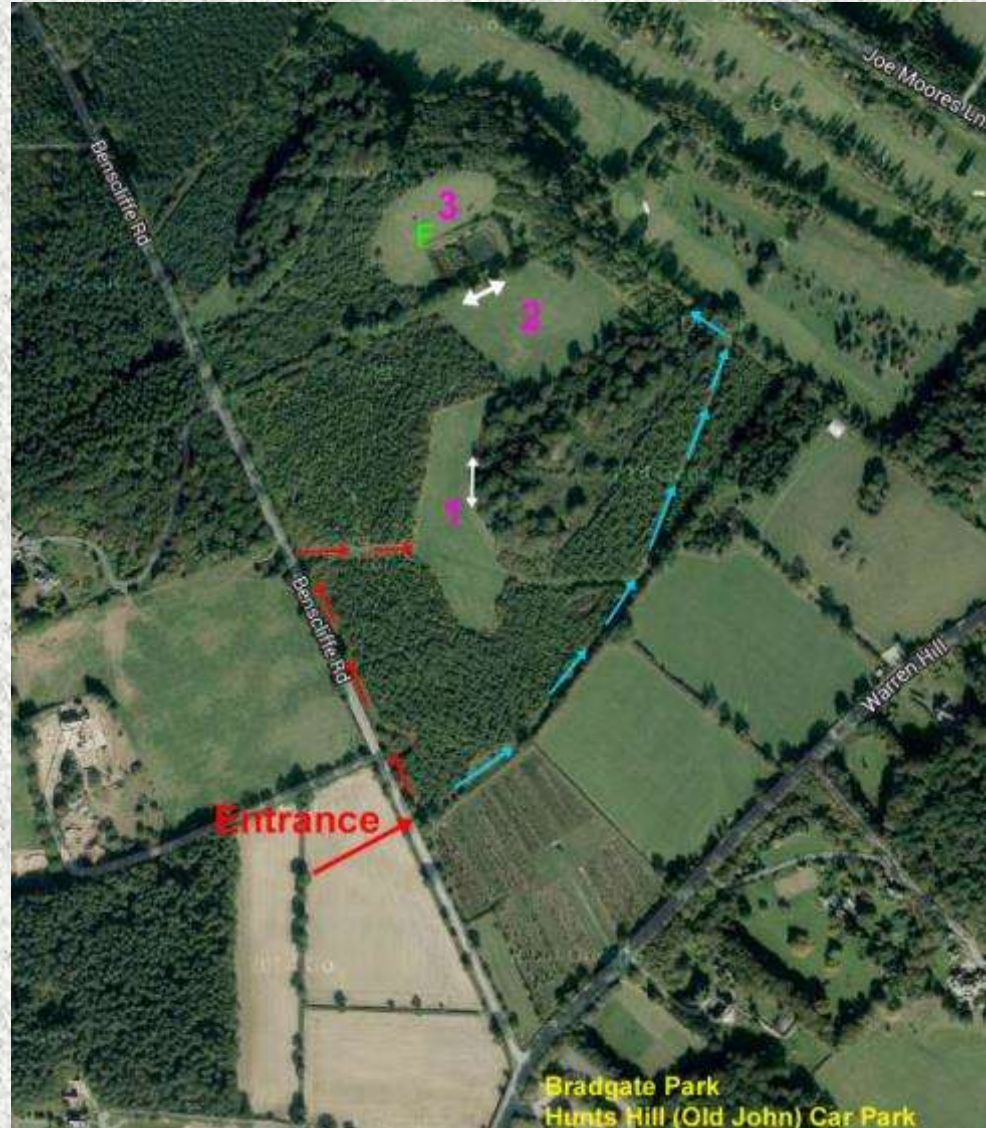
Larval Foodplant: Field mouse-ear (*Cerastium arvense*) and probably other mouse-ears



## Rough Hill, Newtown Linford



- A National Forest site with public access.
- The best site in the county for day-flying moths!

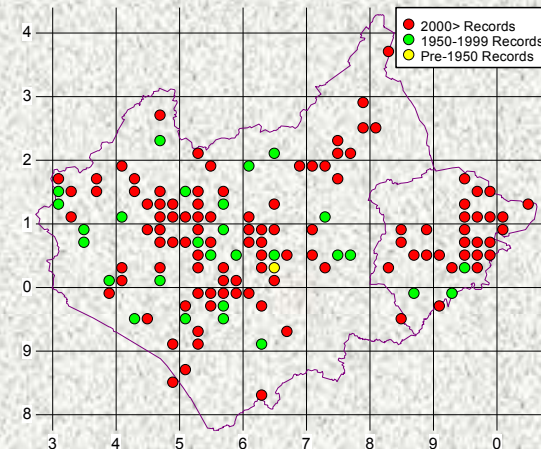


# 169 Six-spot Burnet (*Zygaena filipendulae*)

40% of 2015 records came from  
Big Butterfly Count recorders.



Photo: Andy Mackay



14/04/2015 36 Oxford Drive, Melton Mowbray	larvae	Shirley Maxfield
18/06/2015 Ketton Quarry NR	1	Alistair Lawrence
27/06/2015 Brock's Hill Country Park	2	Matthew Billings
30/06/2015 Asforby Hill Ironworks site	1	Sam Pitt Miller
04/07/2015 Rutland Water, Lyndon N.R.	2	Shirley Maxfield
09/07/2015 Glen Hills	1	Matthew Billings
14/07/2015 Charnwood Lodge NR, comp. 22	2	Steve Woodward
15/07/2015 The Gynsills, Glenfield	1	Matthew Billings
16/07/2015 Manton	1	Peter Eyre
17/07/2015 Ketton Quarry NR	1	Janifer Cleaver
18/07/2015 Bittesby Wood	4	Richard Jeffery
18/07/2015 Burroughs Wood, Ratby	1	Gina Arblaster-Bonser
18/07/2015 Ketton Quarry NR	2	Tina Rea
18/07/2015 Watermead Country Park North	1	Dick Jones
20/07/2015 Fosse Meadows NR	1	Dick Jones
20/07/2015 Rutland Water Eggleton NR	1	Ron Stevens
23/07/2015 Bloody Oaks Quarry, N.R.	3	Adrian Russell
23/07/2015 Bloody Oaks verge, Tickencote	5	Adrian Russell
25/07/2015 Clump Hill fields, Broughton Astley	1	Craig Mabbett
25/07/2015 Grand Union Canal, Glen Parva	1	David Gould
25/07/2015 Kegworth	1	Anthony Baldock
27/07/2015 Empingham	2	Andrew Dejardin
28/07/2015 Melton Country Park	1	Paul Ruddoch
31/07/2015 Asfordby Hill ironworks	6	Sam Pitt Miller

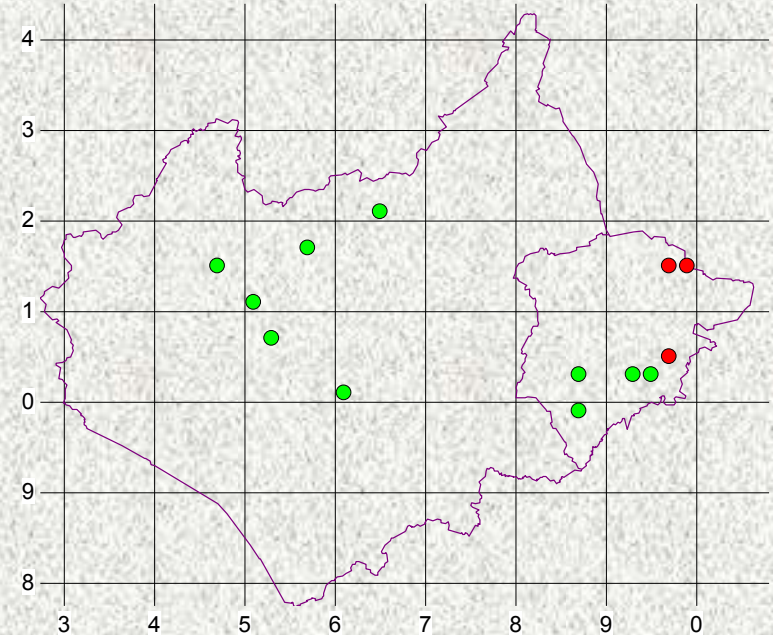
31/07/2015 Fosse Meadows NR	1	Kay McMichael
31/07/2015 Melton Country Park	2	Paul Ruddoch
02/08/2015 Brown's Hill Quarry NR	1	Clare Laughton
06/08/2015 Asfordby Hill Iron Works	1	Steve Woodward
06/08/2015 Bagworth Heath	5	Ted Gaten
06/08/2015 Enderby garden	1	Louise Fretter
06/08/2015 Ullesthorpe	6	Catherine Bywood
07/08/2015 Asfordby Hill Iron Works		Steve Woodward
07/08/2015 West Knighton garden	1	Brian Church
08/08/2015 Bagworth Heath	3	Michael James
08/08/2015 Bloody Oaks Quarry NR		Alan Cann
08/08/2015 Bradgate Park	1	Matthew Billings
08/08/2015 Braunstone, Leicester	1	Sarah Hearn
08/08/2015 Chadwell	1	Andy Thomas
08/08/2015 Croft Hill Nature Trail	2	Richard Jeffery
08/08/2015 Eyebrook Reservoir, Stoke Dry	1	Angela Farrell
09/08/2015 Measham garden	10	Sharon Rosen
09/08/2015 Smeeton Westerby allotments	1	Sharon Cherry
11/08/2015 Broad Hill footpath, Mountsorrel	1	Steve Woodward
15/08/2015 New Lount NR	5	Matthew Harpin
17/08/2015 Bardon Hill	1	Steve Woodward
26/08/2015 Glen Parva garden	2	Eric Marbrook
2015 Browns Wood, Thornton		Harry Ball et al
2015 Maynard Park, Bagworth		Harry Ball et al



## 1952 Common Heath (*Ematurga atomaria*)



Photo: Richard Jefferey 2014



21/05/2015	Big Pits Quarry, Pickworth
01/07/2015	Ketton Quarry N.R.

2	Adrian Russell
6	Adrian Russell

Now only known from 3 disused quarries in Rutland

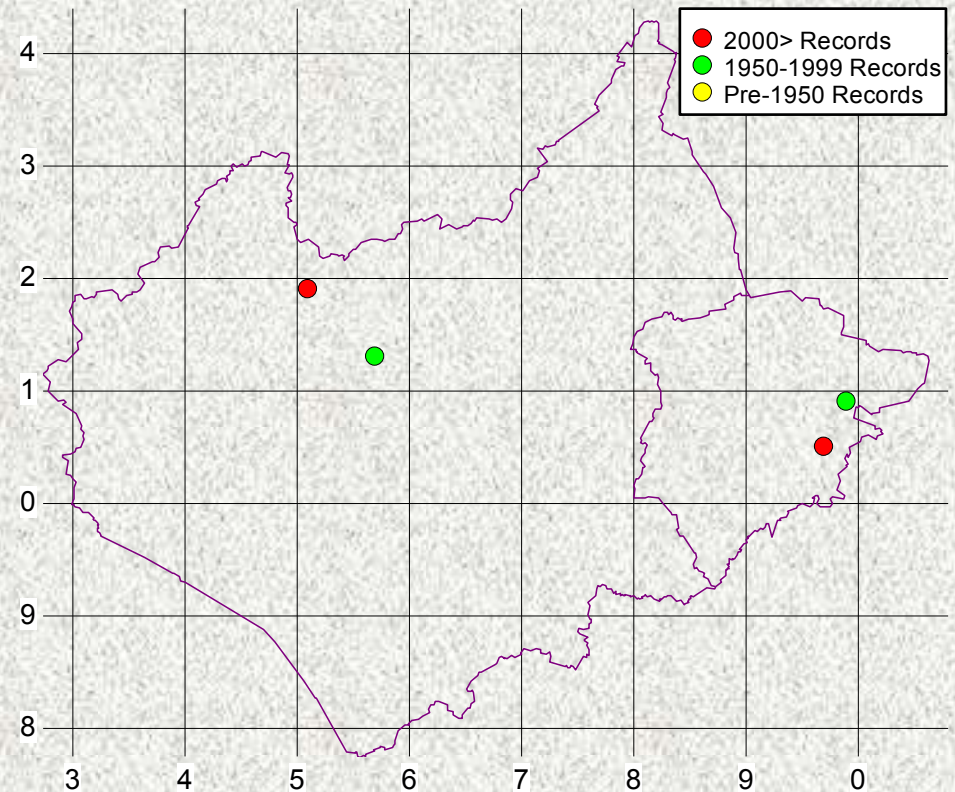
Larval Foodplant: heather (*Calluna*), heath (*Erica*) & clovers (*Trifolium* spp).



## 370 Hornet Moth (*Sesia apiformis*)



Photo: Adrian Russell



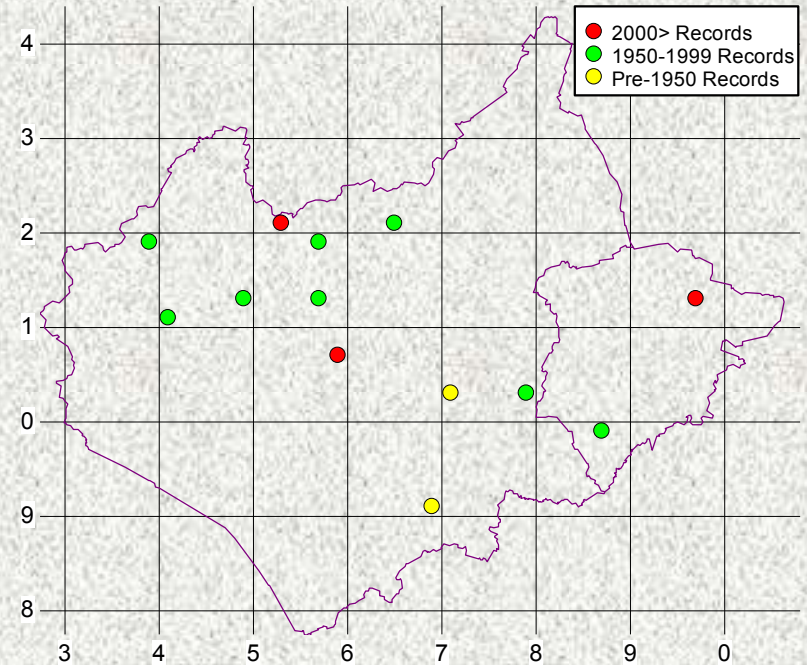
15/06/2015	Ketton (usual site)	2	Alistair Lawrence
15/06/2015	Ketton (usual site)	2	D Needham
18/06/2015	Ketton (usual site)	1	Alistair Lawrence
24/06/2015	Ketton (usual site)	2	Adrian Russell

**Larval Foodplant: Black Poplar, inc. vars.**

## 371 Lunar Hornet Moth (*Sesia bembeciformis*)



Photo: Tony Diebel 2003



Not recorded in 2015

Last record: 15/01/2012 Dishley Pool, larvae in willows

Larval Foodplant: Sallows & willows



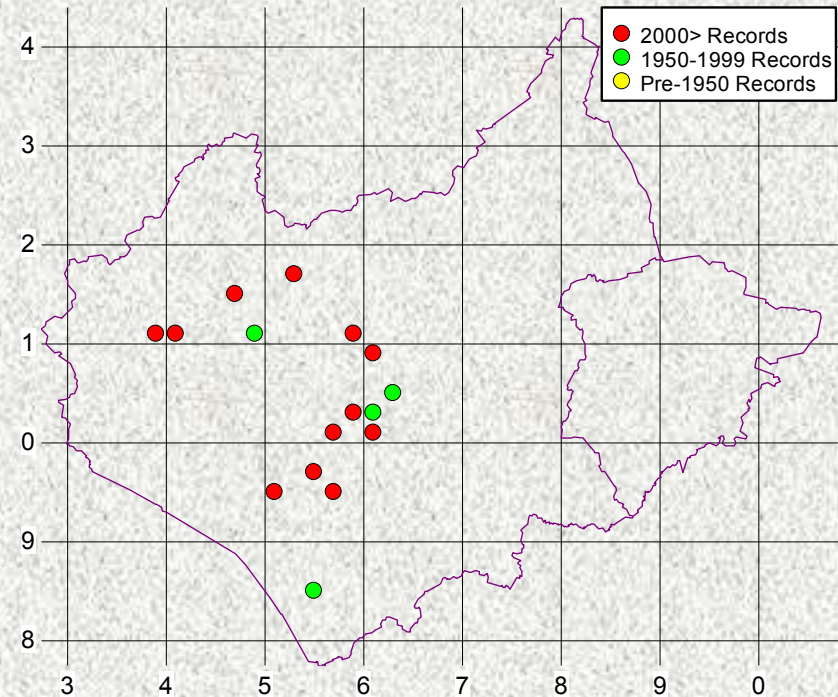
# 373 Currant Clearwing (*Synanthedon tipuliformis*)



Photo: Ashley Watson



Photo: Gareth Burton



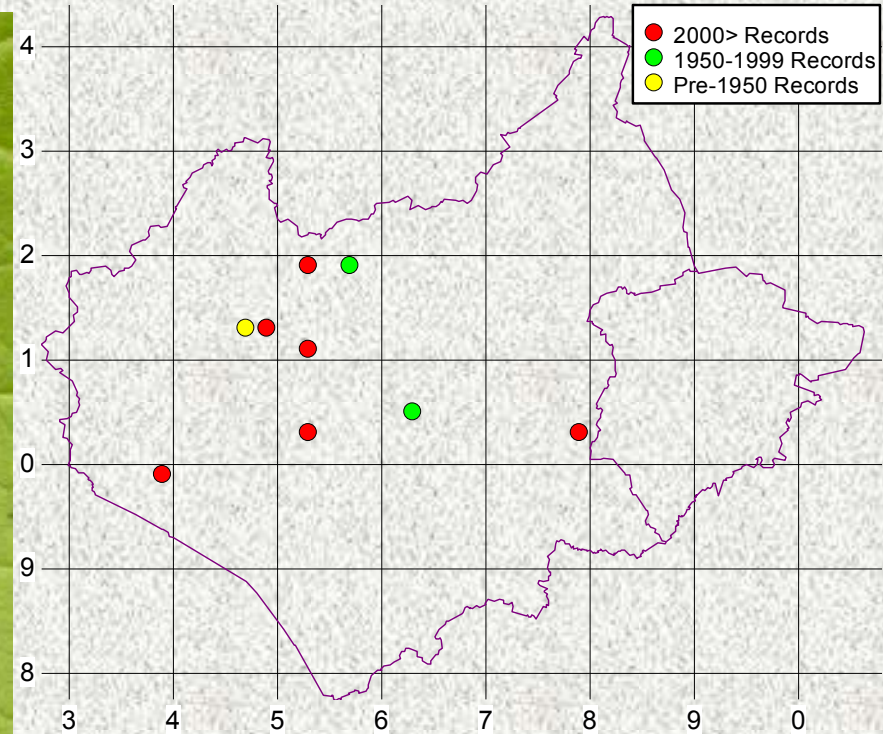
15/06/2015	St Mary's allotments, Leicester	1	Adrian Russell
25/06/2015	University Arboretum, Knighton	1	Gareth Burton
02/07/2015	Whetstone garden	2	Ashley Watson

Larval Foodplant: wild & cultivated currant

## 374 Yellow-legged Clearwing (*Synanthedon vespiformis*)



Photo: Adrian Russell



04/06/2015 Ulverscroft NR

2 Steve Blandford

11/06/2015 Launde Big Wood

1 Adrian Russell

First records since 2012

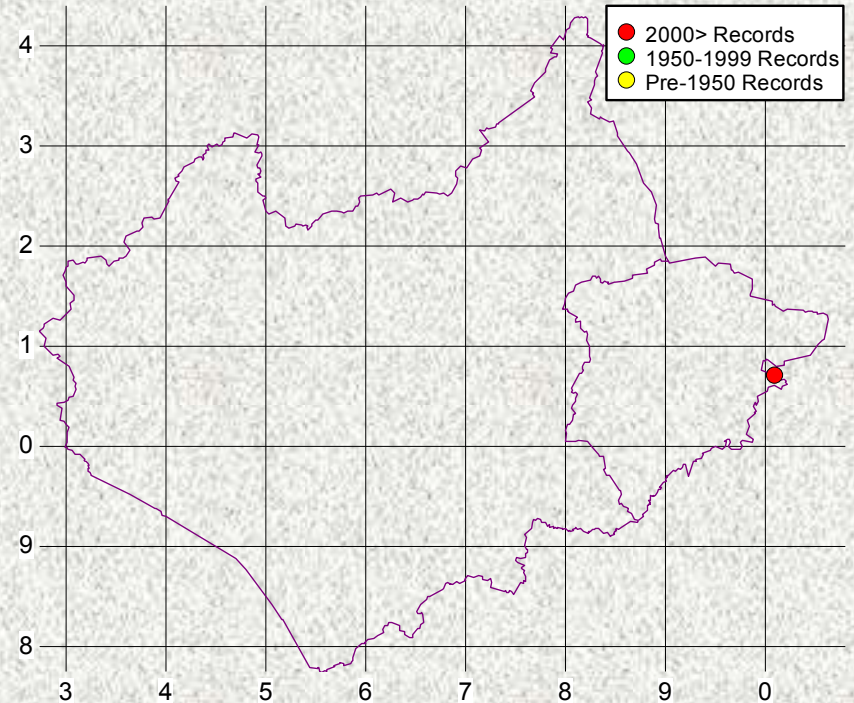
Larval Foodplant: mainly oak



## 378 Orange-tailed Clearwing (*Synanthedon andrenaeformis*)



Photo: Keith Tailby



No records in 2015. The only record to date, remains:

27/06/2005 Tinwell verge

1

Keith Tailby

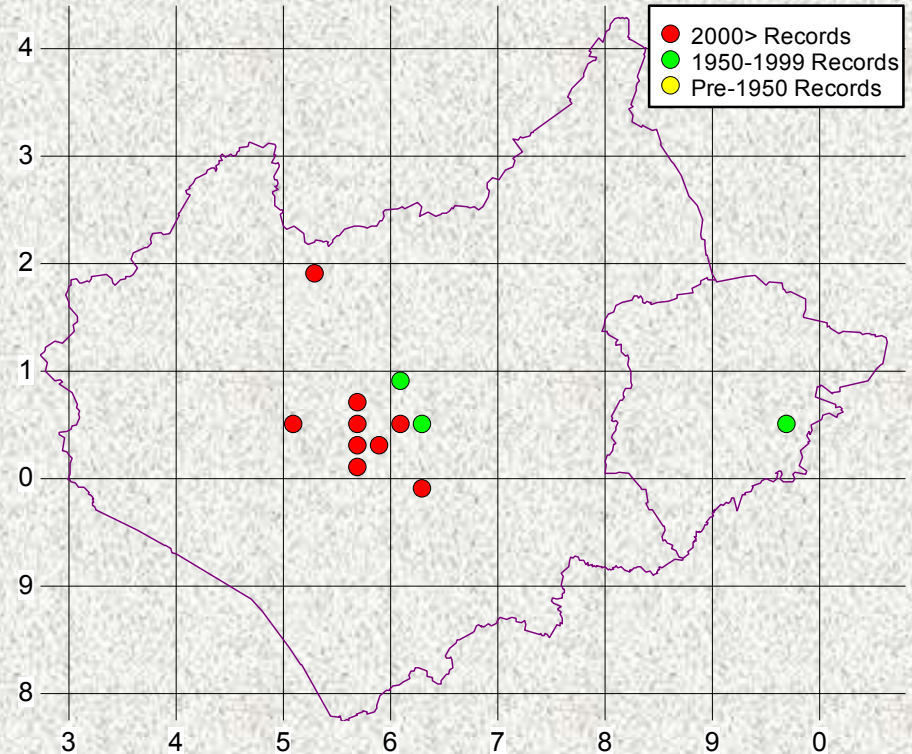
Larval Foodplant: mainly Wayfaring Tree



# 379 Red-belted Clearwing (*Synanthedon myopaeformis*)



Photo: Dave Nicholls



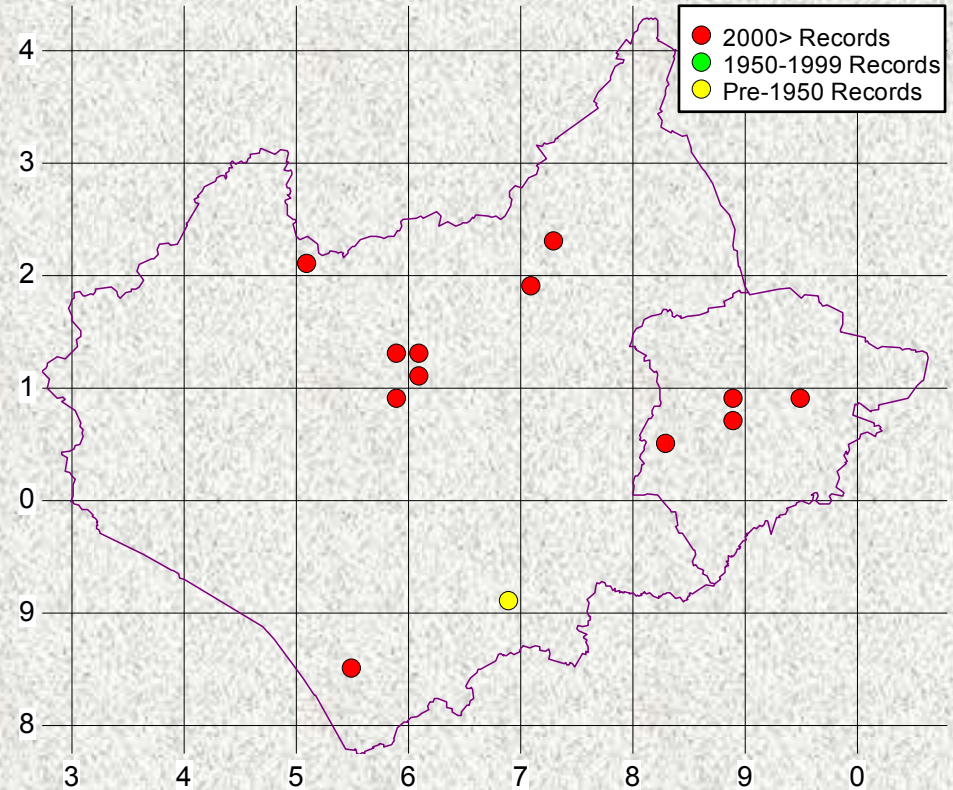
30/06/2015	Groby Road allotments, Leicester	2	Adrian Russell
30/06/2015	St Mary's allotments, Leicester	10	Adrian Russell
30/06/2015	The Orchards N.R., Leicester	4	Adrian Russell
04/07/2015	Church Lane, Ratby	1	David Nicholls
12/07/2015	Beacon Avenue, Loughborough	3	Stephen Blandford

Larval Foodplant: Apple

# 380 Red-tipped Clearwing (*Synanthedon formicaeformis*)



Photo: Oscar Orridge



09/07/2015 Priory Water

1 Oscar Orridge

16/07/2015 Rutland Water reedbed

2 Adrian Russell

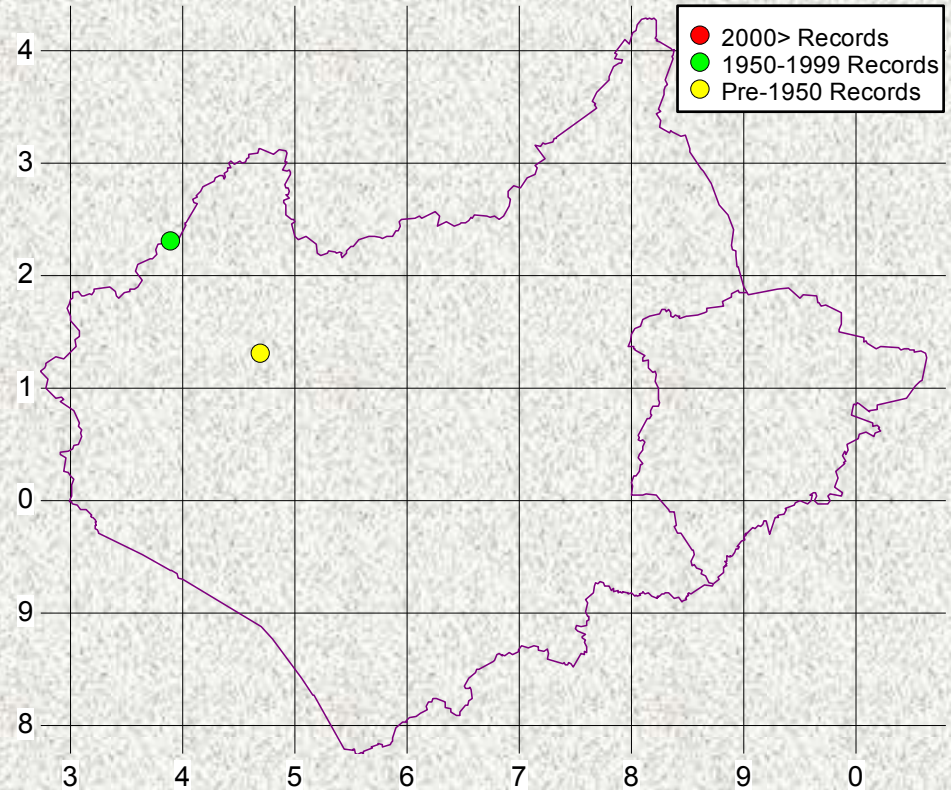
Larval Foodplant: Osier & other willows



## 381 Large Red-belted Clearwing (*Synanthedon culiciformis*)



Photo: Steve Nash (non-VC55)



No 2015 records

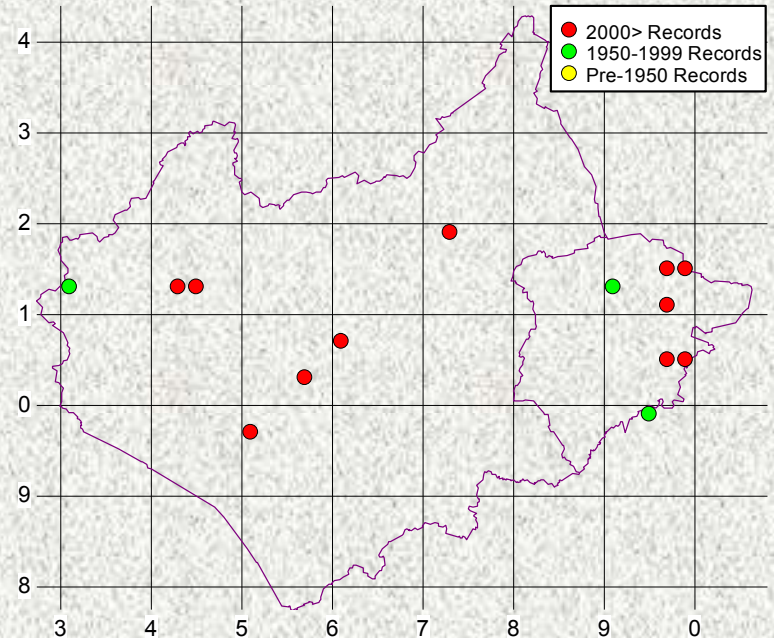
Last record: 1984 Spring Wood

Larval Foodplant: birches

# 382 Six-belted Clearwing (*Bembecia ichneumoniformis*)



Photo: Sam Pitt Miller



21/06/2015	Asforby Hill Ironworks site	1	Sam Pitt Miller
24/06/2015	Ketton Quarry N.R.	20	Adrian Russell
30/06/2015	Asforby Hill Ironworks site	1	Sam Pitt Miller
23/07/2015	Bloody Oaks Quarry, N.R.	2	Adrian Russell
23/07/2015	Bloody Oaks verge, Tickencote	4	Adrian Russell
31/07/2015	Asfordby Hill ironworks site	2	Sam Pitt Miller
17/08/2015	Bardon Hill	1	Steve Woodward

Larval Foodplant: Bird's-foot Trefoil



## 382 Six-belted Clearwing (*Bembecia ichneumoniformis*)



Photo: Adrian Russell

Not a very good photograph, but 14 moths can be seen, showing just how effective pheromone lures are for attracting this species.



## 578 *Coleophora otidipennella*



**First for VC55**

Photo: Patrick Clement (non-VC55)

11/05/2015 Stoneywell Wood

1

Adrian Russell (gen det Andy Mackay)

Larval Foodplant: seeds of wood-rush (*Luzula*) spp.

# 656 *Tachystola acroxantha*



Photo: Steve Lister



Photo: Adrian Russell

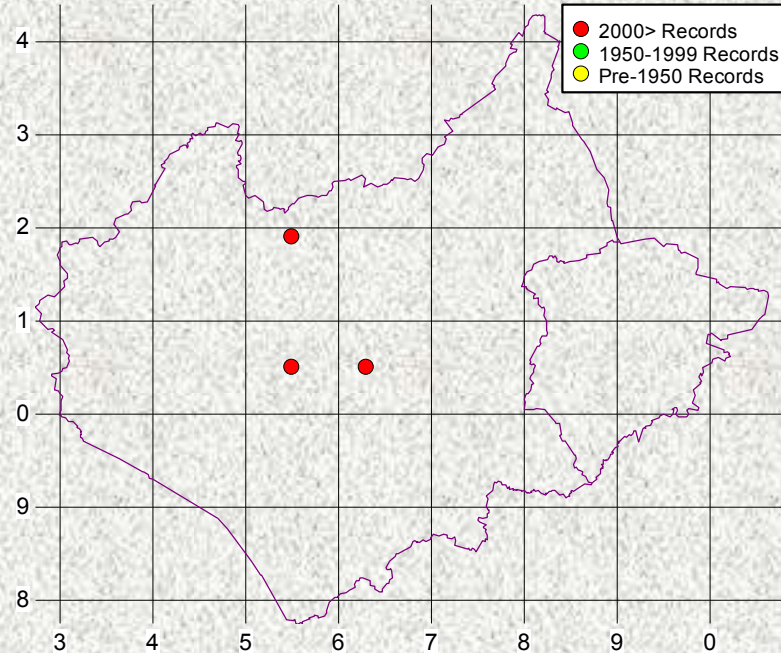


Photo: Rob Edmunds (non-VC55)

14/06/2014	Albert Promenade, Loughborough	1	Steve Lister *
06/10/2014	Golf Course Lane, Leicester	1	Mark Skevington
21/05/2015	St Swithins Road, Leicester	1	Adrian Russell
30/06/2015	Albert Promenade, Loughborough	1	Steve Lister

\* unconfirmed

Larval Foodplant: withered leaves and leaf-litter

## 673 *Depressaria pimpinellae*

First for VC55



Photos: Graham Calow

21/07/2015 Burbage Common

Larva on Greater Burnet Saxifrage

Graham Calow

Larval Foodplant: Burnet-saxifrage and Greater Burnet-saxifrage



## 741 *Monochroa hornigi*



**First for VC55**

Photo: Graham Calow

15/07/2015	Harecroft Crescent, Sapcote	1	Graham Calow (gen det Andy Mackay)
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Larval Foodplant: knotweed (*Persicaria* and *Polygonum*)

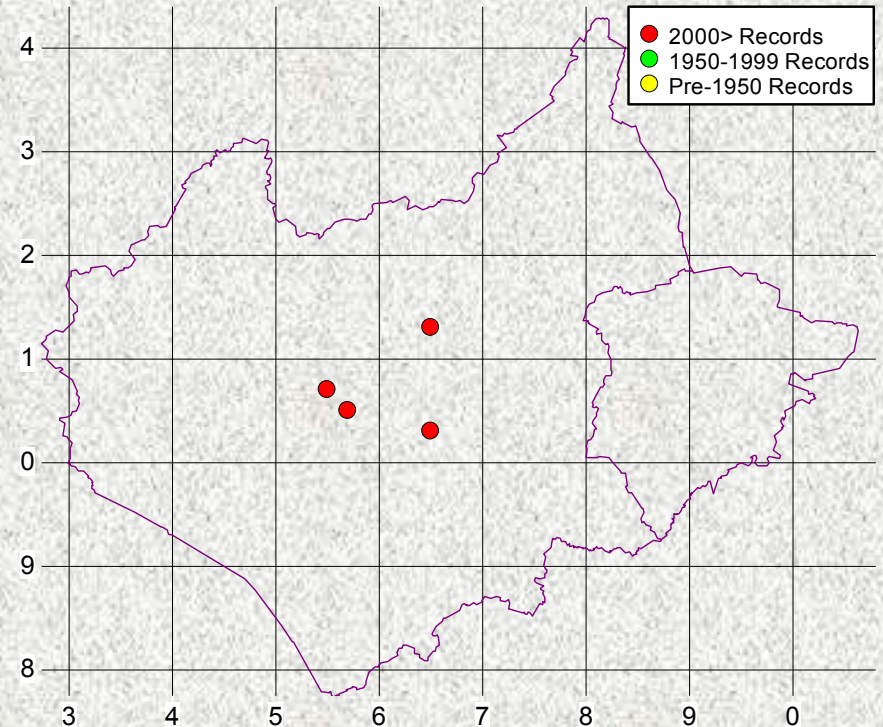
# 880 *Mompha langiella*



Photo: John Tinning



Photo: Mike Higgott



27/03/2012	Leicester Garden	1	Howard Peacock
17/08/2015	Delaware Road, Leicester	1	Andy Mackay
23/08/2015	Ervin Way, Queniborough	1	John Tinning
01/09/2015	County Hall, Glenfield	1	Mike Higgott

Enchanter's Nightshade and willowherbs



## 964a *Cochylis molliculana*



**First for VC55**

Photo: John Tinning

18/08/2015	Ervin Way, Queniborough	1	John Tinning
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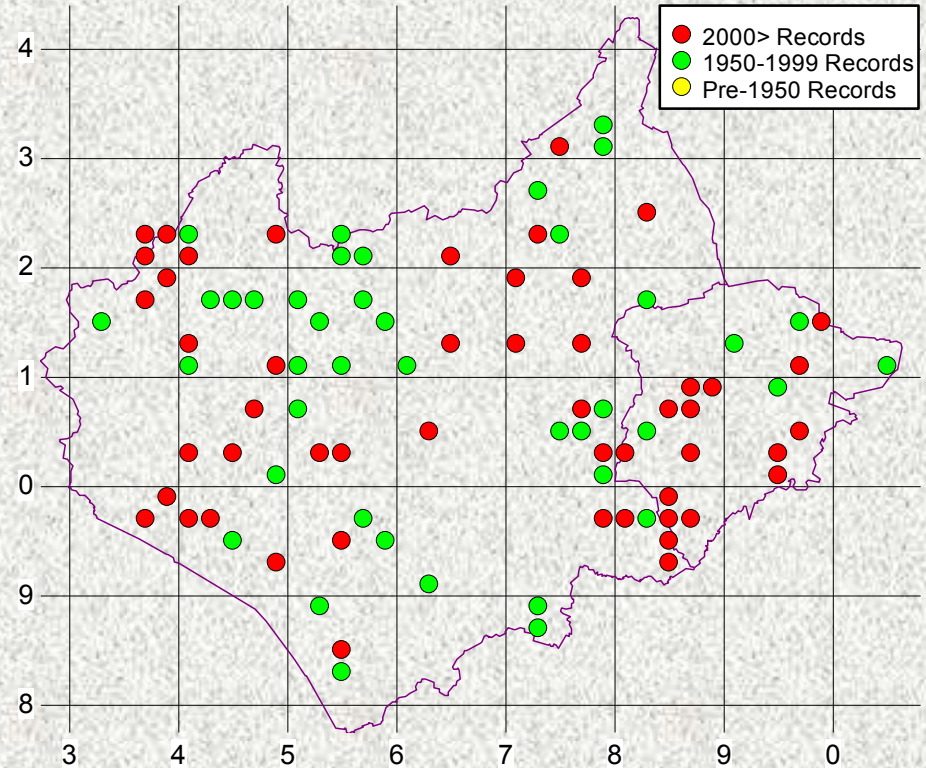
Larval Foodplant: Bristly Oxtongue



# 1632 Pale Eggar (*Trichiura crataegi*)



Photo: Graham Calow



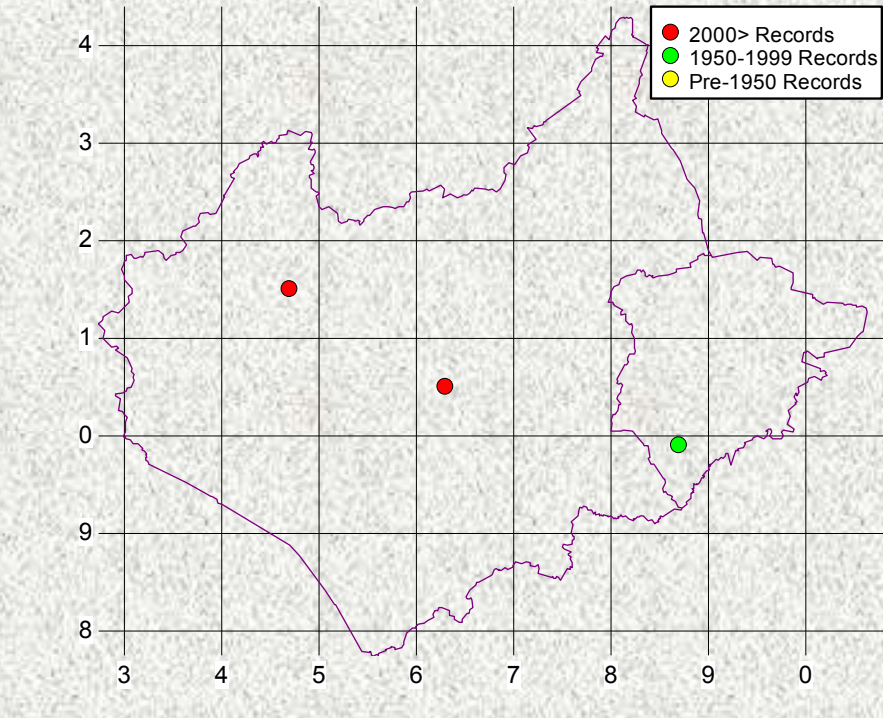
16/06/2015	Clarksdale, Great Easton	1	Jean Harvey
26/06/2015	Clarksdale, Great Easton	1	Jean Harvey
16/08/2015	Luffenham Heath G.C.	1	Ron Follows
27/08/2015	Hinckley Road, Dadlington	1	Andy Johnson
29/08/2015	Spring Wood N.R., Staunton Harold	1	Adrian Russell
30/08/2015	Eyebrook Reservoir, The Dam	1	Ron Follows
04/09/2015	Hinckley Road, Dadlington	1	Andy Johnson

Larval Foodplant: range of plants and trees

# 1638 Fox Moth (*Macrothylacia rubi*)



Photo: Michael Turner



1962 Uppingham School		Uppingham School
1963 Uppingham School		Uppingham School
29/05/1964 Charnwood Lodge NR	1	Peter Gamble
12/06/1975 Charnwood Lodge NR	1	Peter Gamble
09/06/2006 Charnwood Lodge NR	4	Adrian Russell
20/05/2011 Charnwood Lodge NR	1	Adrian Russell
30/09/2015 Tennis Court Drive, Humberstone	1	Michael Turner

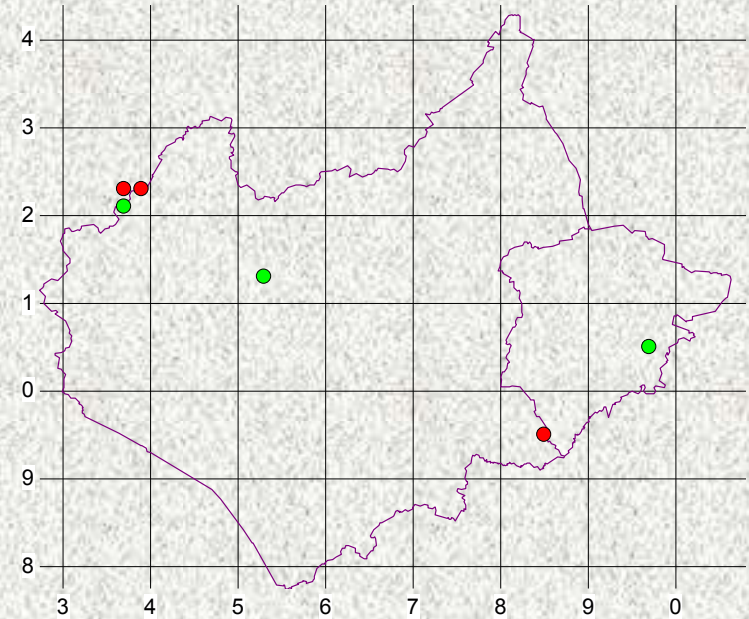
Larval Foodplant: heather (*Calluna*), bramble (*Rubus*), etc.



## 1658 Oak Lutestring (*Cymatophorima diluta*)



Photo: Adrian Russell



First record since 2006

29/08/2015	Spring Wood N.R.	3	Leics. Moth Group
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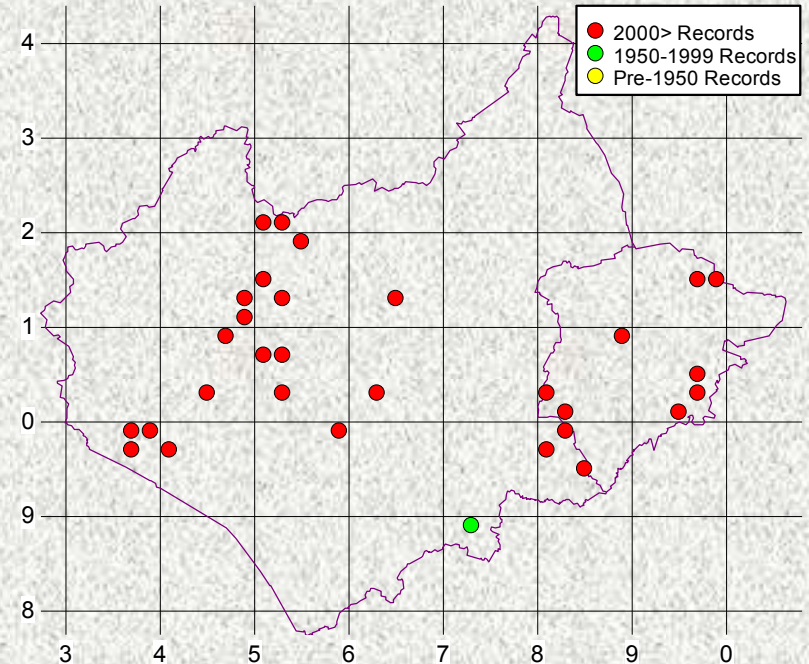
Larval Foodplant: oak



## 1681 Clay Triple-lines (*Cyclophora linearia*)



Photo: Adrian Russell (2014 record)



09/07/2015 Shanklin Gardens, Leicester Forest East

1

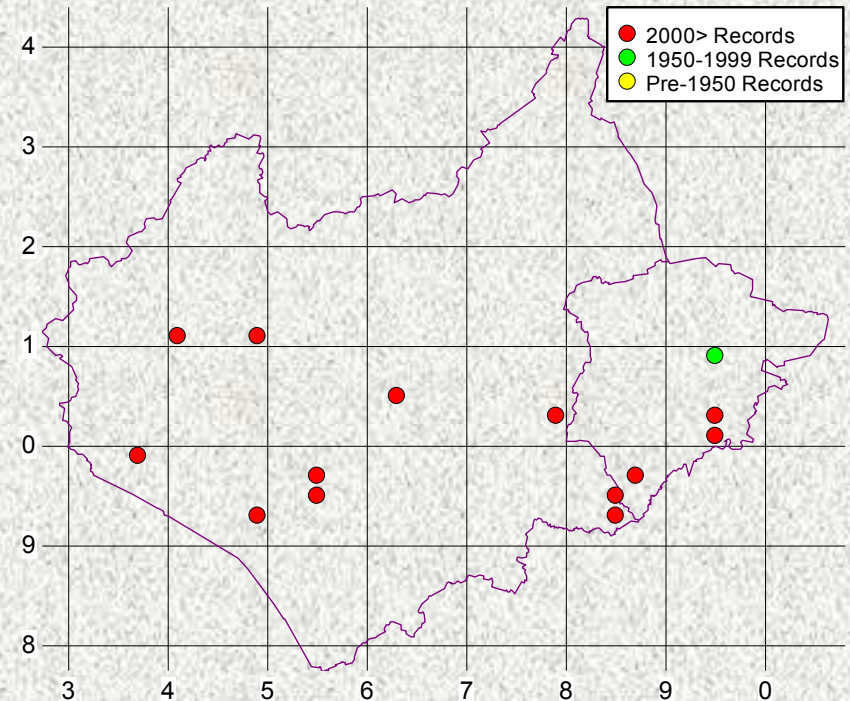
Dave Gamble

Larval Foodplant: beech

# 1699 Least Carpet (*Idaea rusticata*)



Photo: Mark Skevington 2004

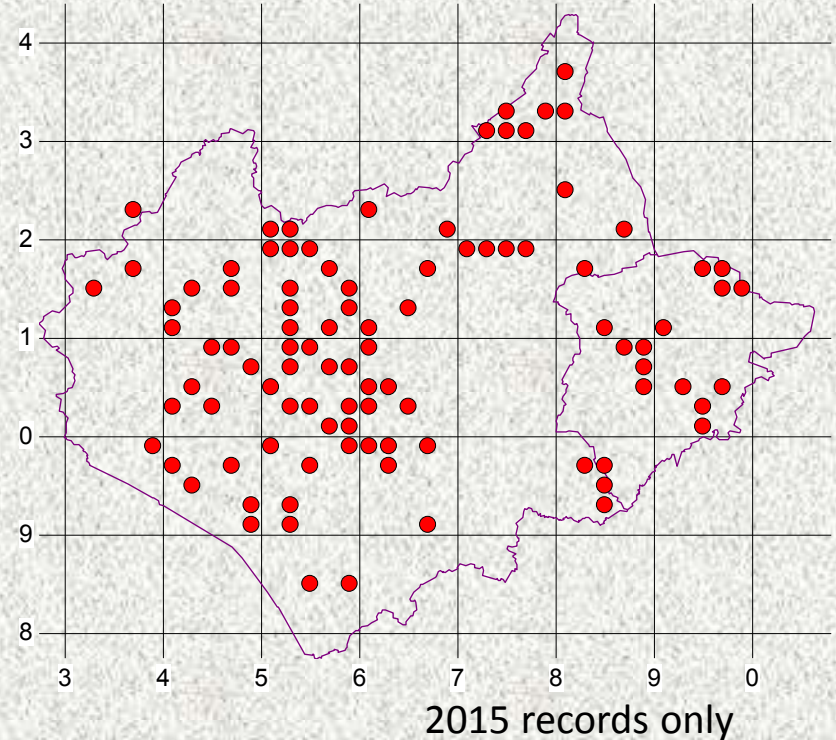


02/07/2015	Leicester Road, Ibstock	1	Rhys Dandy
19/07/2015	Clarquesdale, Great Easton	1	Jean Harvey
21/07/2015	Clarquesdale, Great Easton	1	Jean Harvey
01/08/2015	Harecroft Crescent, Sapcote	1	Graham Calow
02/08/2015	Eyebrook Reservoir, The Dam	1	Ron Follows
03/08/2015	Clarquesdale, Great Easton	1	Jean Harvey

Larval Foodplant: Traveller's Joy



## 1713 Riband Wave (*Idaea aversata*)

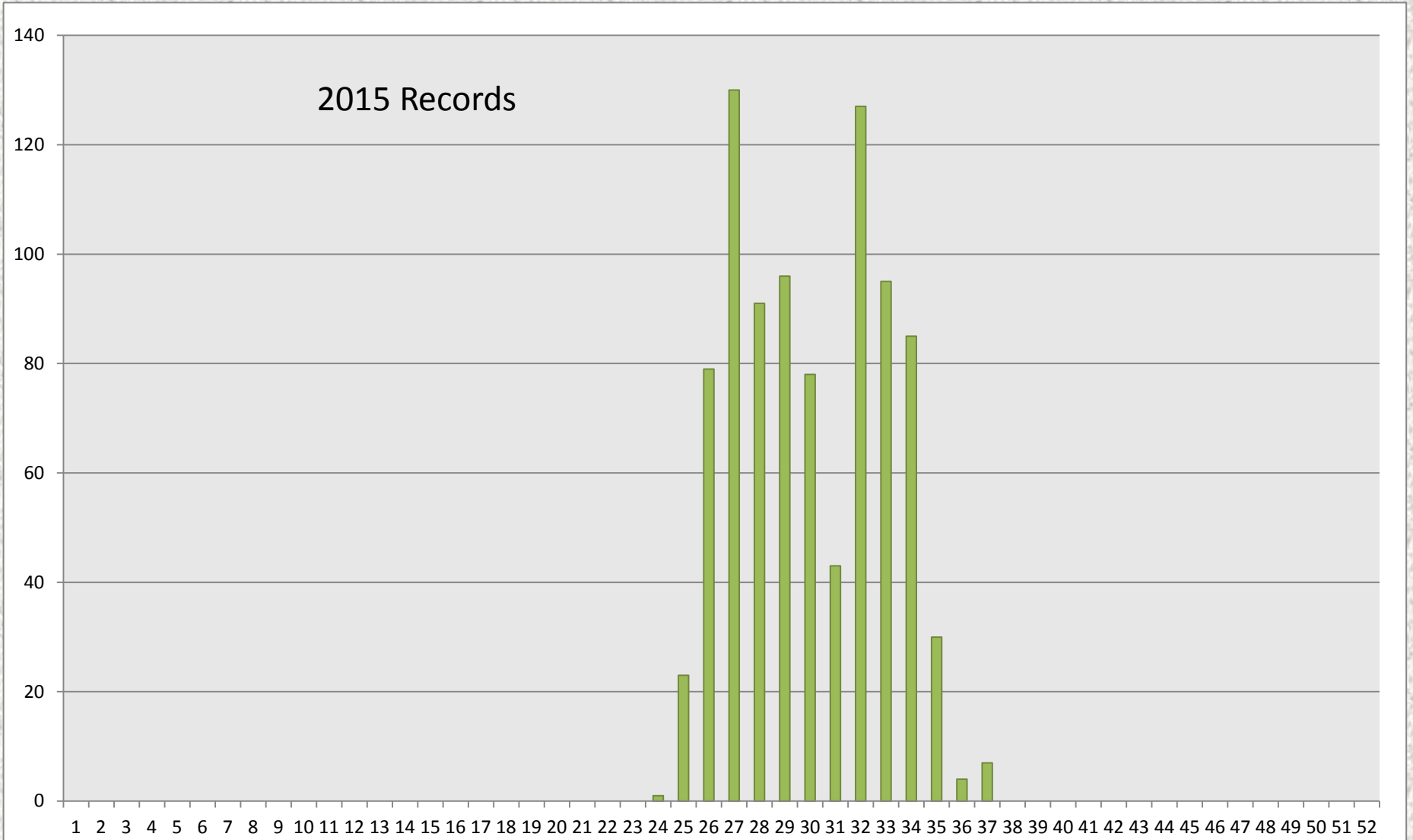


An example of data for a common species

### 2015:

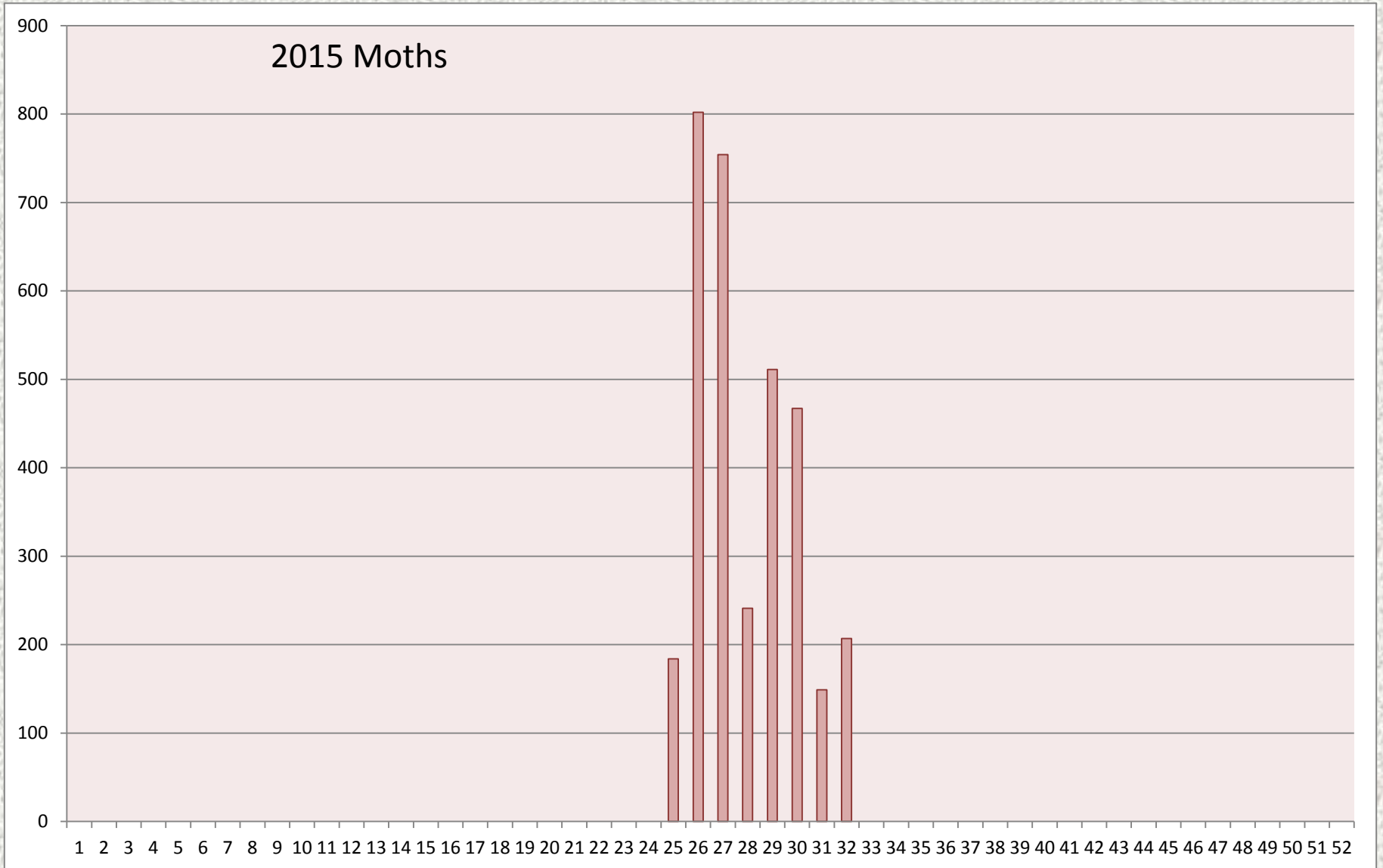
- 891 records of 4,468 moths
- Between 11/06/15 and 12/09/15

# 1713 Riband Wave (*Idaea versata*)





# 1713 Riband Wave (*Idaea versata*)



# 1713 Riband Wave (*Idaea aversata*)

Highest single  
night garden  
catches in  
2015:

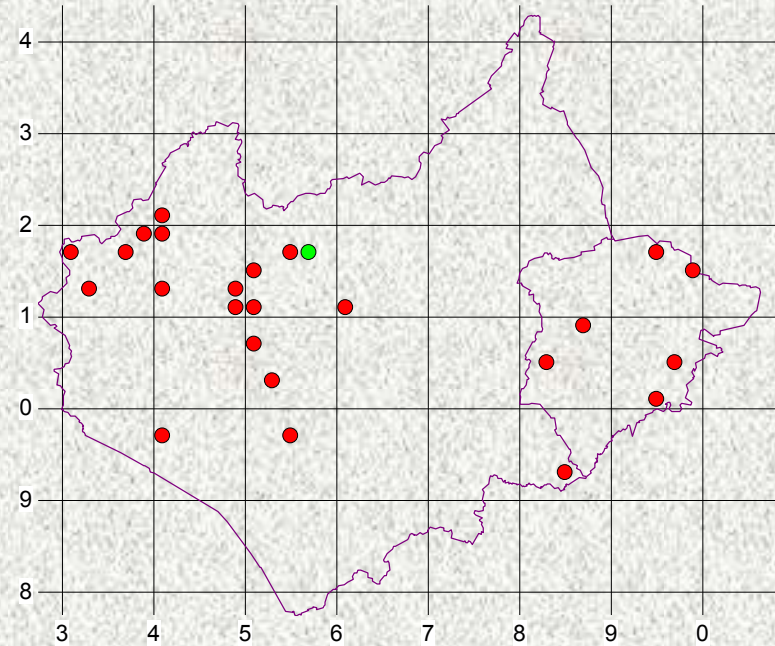
Date	Garden	Quantity	Recorder
15/07/2015	Pretoria Road, Ibstock	41	Rhys Dandy
10/07/2015	Westminster Road, Leicester	29	Adrian Russell
12/07/2015	St Swithins Road, Leicester	28	Adrian Russell
12/07/2015	Croft Drive, Wigston	28	Adam & Stuart Poole
12/07/2015	Glebe Road, Asfordby Hill	27	Sam Pitt Miller
11/07/2015	St Marys Road, Leicester	25	Ron Ellis
10/08/2015	Delaware Road, Leicester	25	Andy Mackay
10/07/2015	St Swithins Road, Leicester	24	Adrian Russell
06/07/2015	St Swithins Road, Leicester	23	Adrian Russell
05/07/2015	Pretoria Road, Ibstock	22	Rhys Dandy
13/07/2015	Delaware Road, Leicester	22	Andy Mackay
09/07/2015	Croft Drive, Wigston	21	Adam & Stuart Poole
11/07/2015	Pretoria Road, Ibstock	21	Rhys Dandy
12/08/2015	Evelyn Road, Braunstone	21	Leonard Holton
04/07/2015	The Square, Bagworth	20	Sue Timms
09/08/2015	St Swithins Road, Leicester	20	Adrian Russell
12/08/2015	St Swithins Road, Leicester	20	Adrian Russell
10/07/2015	Harecroft Crescent, Sapcote	19	Graham Calow
12/07/2015	Hinckley Road, Dadlington	19	Andy Johnson
18/07/2015	St Marys Road, Leicester	19	Ron Ellis
30/06/2015	Harecroft Crescent, Sapcote	18	Graham Calow
10/07/2015	St Catherine's Ave., Market Bosworth	18	Angela Davies
12/07/2015	Delaware Road, Leicester	18	Andy Mackay
12/07/2015	Glen Road, Newton Harcourt	18	David Scott
13/07/2015	Hinckley Road, Dadlington	18	Andy Johnson
07/08/2015	Stanley Road, Market Bosworth	18	David & Mary Penton



## 1789 Scallop Shell (*Rheumaptera undulata*)



Photo: Adrian Russell



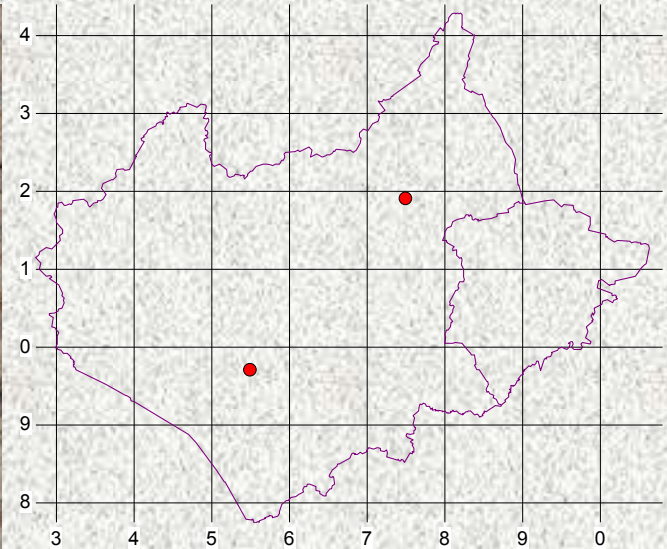
10/07/2015	Stretton Wood	3	Adrian Russell
12/07/2015	Dovecote Close, Barrowden	1	Ron Follows
02/08/2015	Dunbar Way, Ashby de la Zouch	1	Sean Wileman

Larval Foodplant: sallow (*Salix*) & bilberry (*Vaccinium myrtillus*)

## 1815 Cloaked Pug (*Eupithecia abietaria*)



Photo: Michael Lester



Only the second post-1980  
record of this nationally  
scarce species

13/07/2015	Cosby Road, Littlethorpe	1	Michael & Samantha Lester
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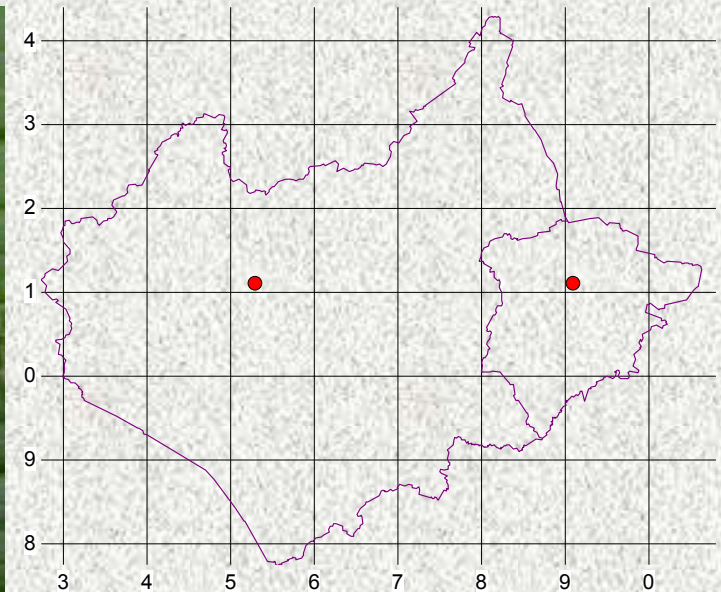
Larval Foodplant: cones of Norway spruce (*Picea abies*), Sitka spruce (*Picea sitchensis*) and noble fir (*Abies procera*)



## 1824 Pauper Pug (*Eupithecia egenaria*)



Photo: Adrian Russell



Only the second record from VC55

26/06/2015	Swithland Wood	2	Leics. Moth Group
------------	----------------	---	-------------------

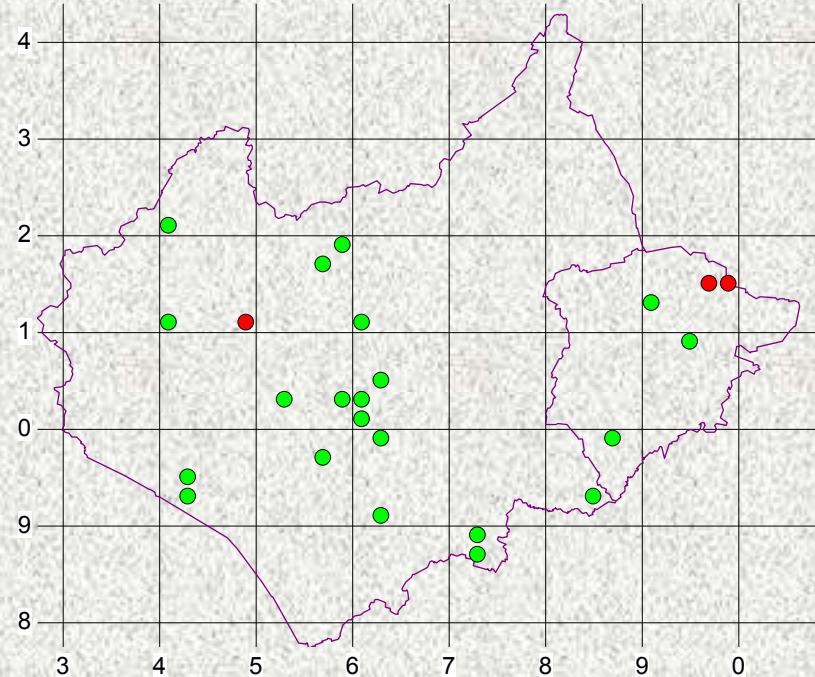
Could this be the first record of a species that has always been present at the site?

Larval Foodplant: limes (*Tilia* sp.)

## 1897 V-Moth (*Macaria wauaria*)



Photo: Adrian Russell



Since 2000, the only known colony

25/07/2015	Clipsham Quarry	4	Ron Follows & Adrian Russell
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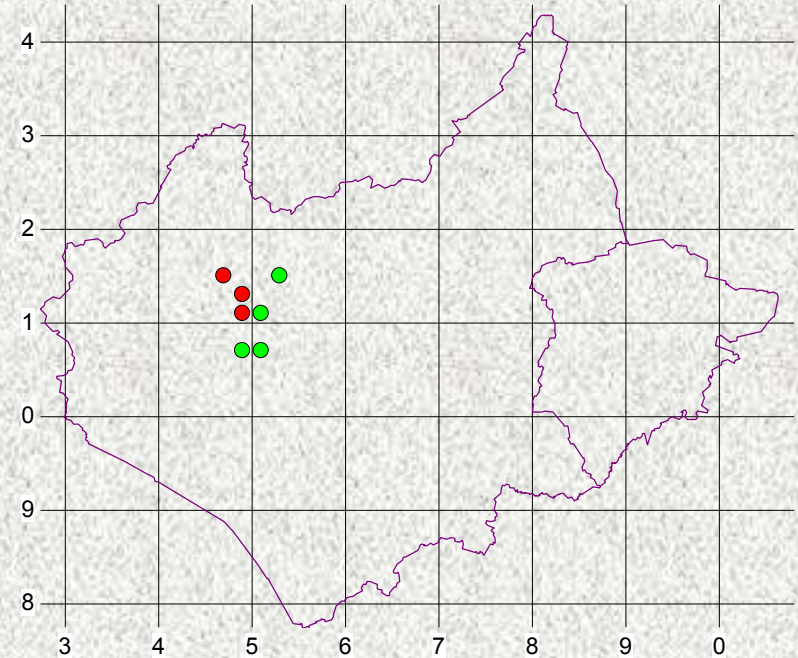
Larval Foodplant: wild & cultivated currant



# 1903 Barred Umber (*Plagodis pulveraria*)



Photo: Adrian Russell



11/05/2015	Stoneywell Wood	1	Adrian Russell
01/07/2015	Charnwood Lodge NR	1	Charnwood Lodge Volunteers *

\* First record for site & first record outside of Stoneywell Wood since 2004

Larval Foodplant: a variety of deciduous trees

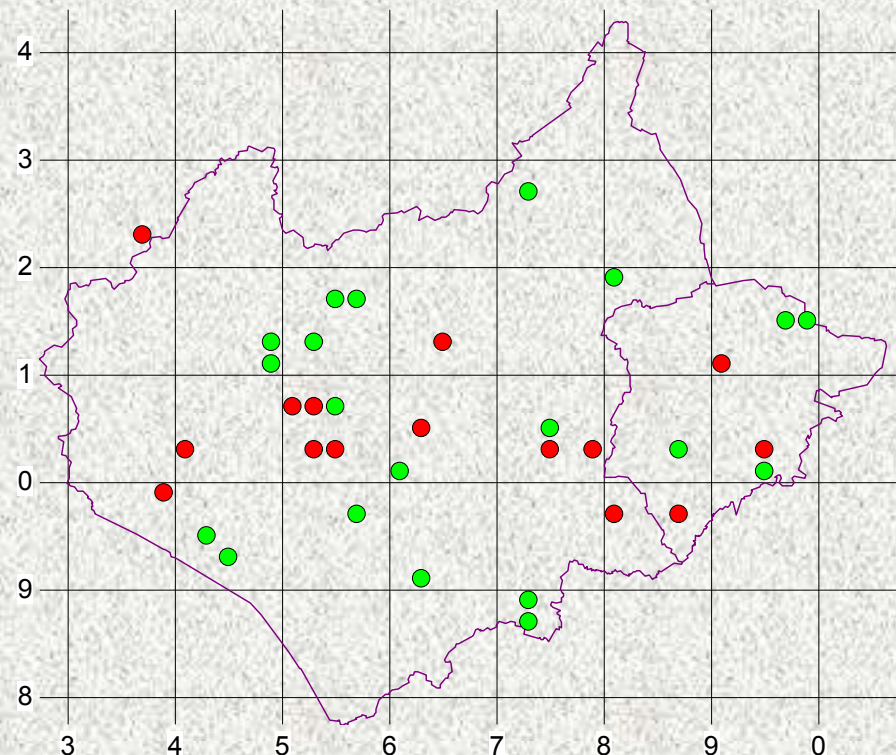
# 1912 August Thorn (*Ennomos quercinaria*)



Photo: Ron Follows



Photo: Adrian Russell



16/08/2015 Luffenham Heath G.C.	1	Ron Follows
17/08/2015 St Swithins Road, Leicester	1	Adrian Russell
20/08/2015 Skeffington Wood	1	Adrian Russell

Whilst preparing this presentation, I began to doubt that the moth on the left, from Skeffington Wood was actually an August Thorn

Larval Foodplant: Oak, beech, birch, etc.



## 1912 August Thorn (*Ennomos quercinaria*)

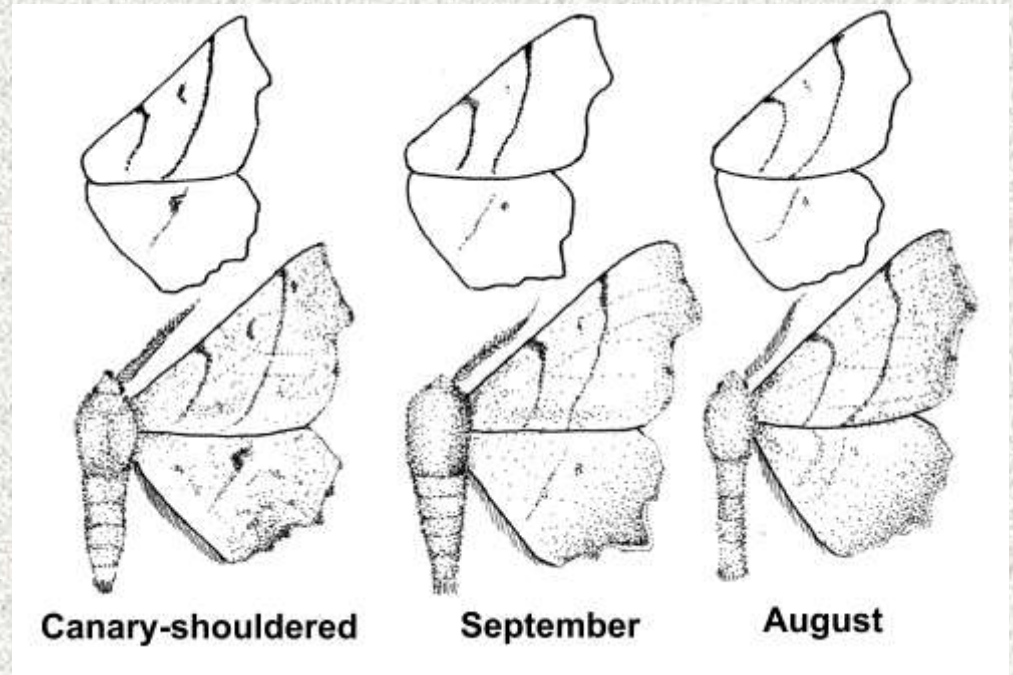


Photo: Ron Follows



Photo: Adrian Russell

✓ Clearly an August Thorn

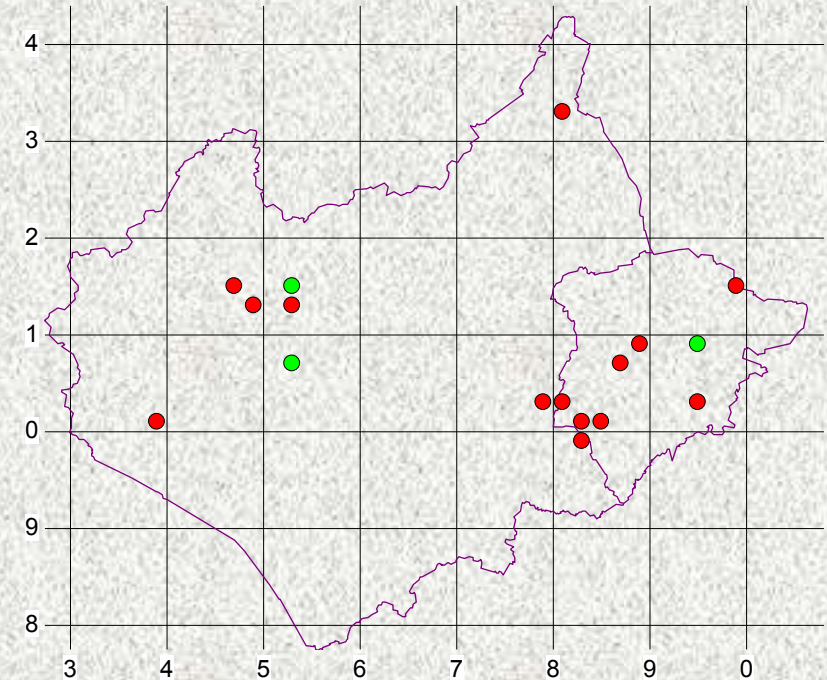


X I was right to have doubts;  
this is a September Thorn

## 1940 Satin Beauty (*Deileptenia ribeata*)



Photo: Mark Skevington 2001



04/07/2015	Old Park Wood, Belvoir	3	Leics. Moth Group
15/07/2015	Charnwood Lodge NR	1	Charnwood Lodge Volunteers
29/07/2015	Charnwood Lodge NR	1	Charnwood Lodge Volunteers

Both are new site records

Larval Foodplant: various trees



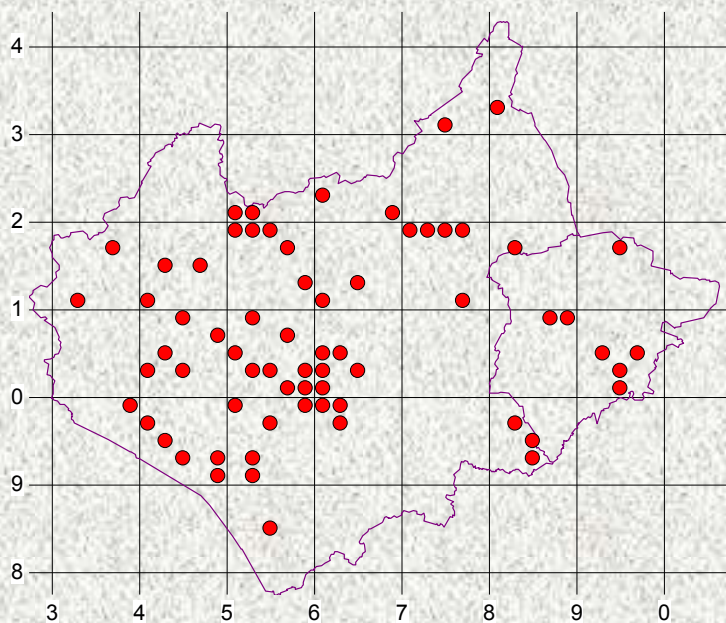
Last year we looked at records of our resident hawk-moths & noted that Privet Hawk-moth now appeared to be commoner than Lime & Eyed Hawk-moths. Here are the stats for 2015:

**2015** (2014)

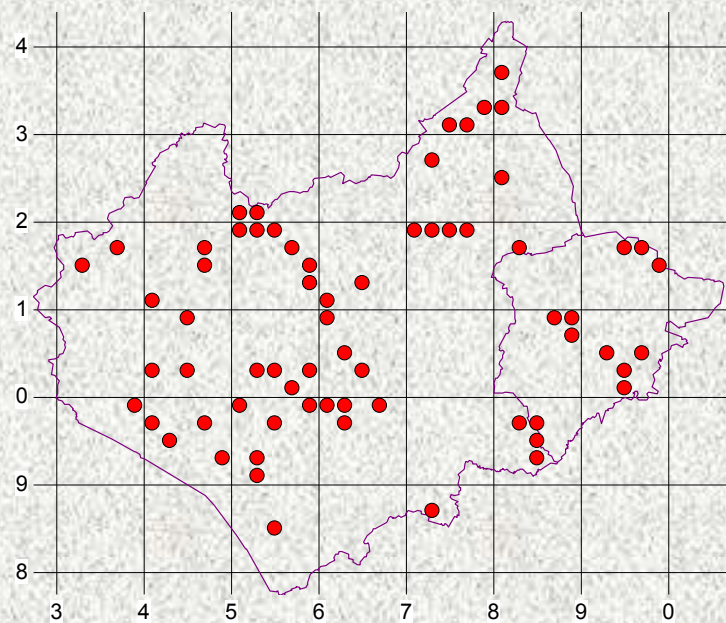
		Records	Moths
Poplar Hawk-moth	↓	293(336)	413(530)
Elephant Hawk-moth	↑	329(286)	721(624)
Privet Hawk-moth		51 (51)	64 (63)
Lime Hawk-moth		36 (50)	39 (50)
Eyed Hawk-moth		27 (31)	31 (47)
Small Elephant Hawk-moth		12 (18)	15 (25)
Pine Hawk-moth		10 (12)	9 (12)

Comparison of  
distribution of  
4 species of  
hawk-moth

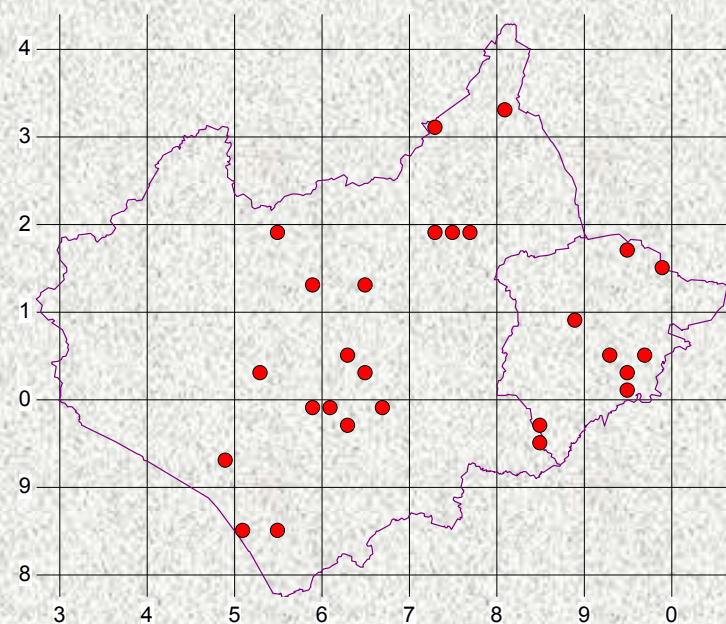
2015 Elephant Hawk-moth records



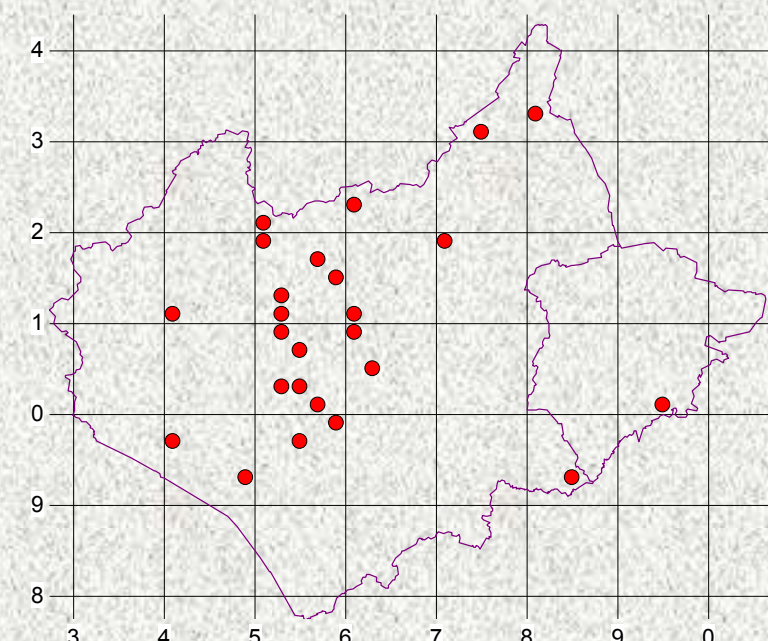
2015 Poplar Hawk-moth records



2015 Privet Hawk-moth records



2015 Lime Hawk-moth records





## A close-up photograph of a moth resting on a large, vibrant green leaf. The moth's wings are intricately patterned with a mix of brown, tan, and grey, creating a wood-grain or bark-like texture. The pattern consists of dark, wavy lines and patches of lighter color. The moth's body is a lighter, fuzzy brown. Its legs are visible, gripping the leaf. The background is a soft-focus green, emphasizing the moth and the leaf it sits upon.

2009 *Ptilodon cucullina* (Maple Prominent)

## 1 Ron Follows

Larval Foodplant: mainly field maple (*Acer campestre*)

## 2045 Hoary Footman (*Eilema caniola*)



Photo: Andy Mackay

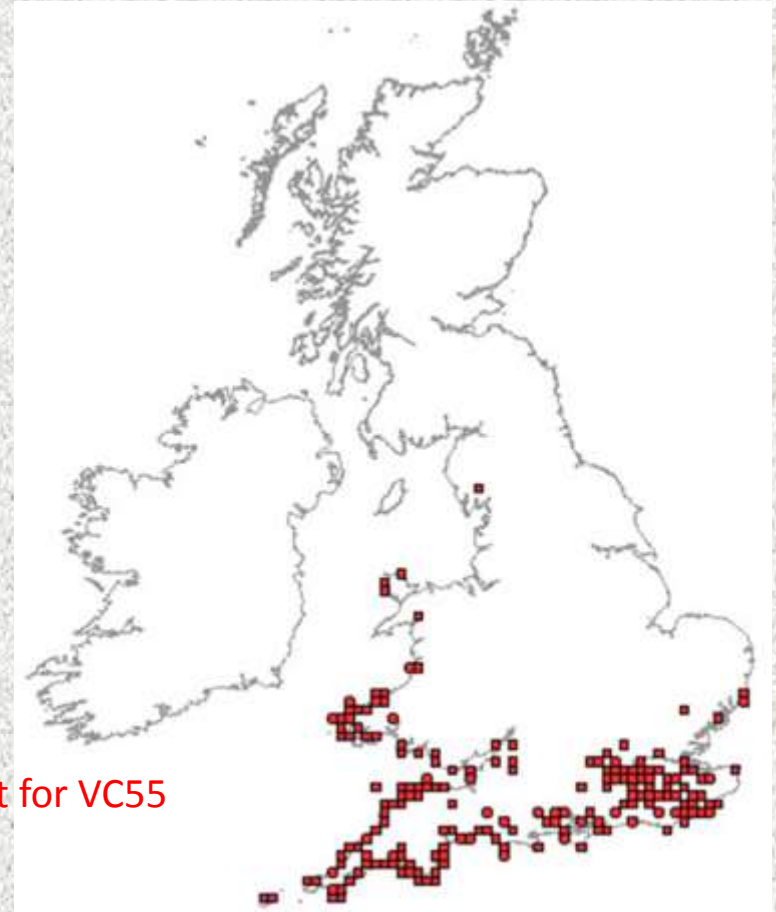
As reported at last year's meeting:

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 records in 2014**



Larval Foodplant: lichens



## 2045 Hoary Footman (*Eilema caniola*)

27/07/2012	Ervin Way, Queniborough	1	John Tinning
15/07/2013	Delaware Road, Leicester	1	Andy Mackay
16/07/2013	Ervin Way, Queniborough	1	John Tinning
17/07/2013	St Swithins Road, Leicester	1	Adrian Russell
18/07/2013	St Swithins Road, Leicester	1	Adrian Russell
03/08/2014	Ervin Way, Queniborough	1	John Tinning
23/05/2015	St Swithins Road, Leicester	1	Adrian Russell
17/06/2015	Delaware Road, Leicester	1	Andy Mackay
27/06/2015	St Swithins Road, Leicester	1	Adrian Russell
05/07/2015	St Marys Road, Leicester	1	Ron Ellis
05/08/2015	Ervin Way, Queniborough	1	John Tinning
08/08/2015	St Swithins Road, Leicester	1	Adrian Russell
10/08/2015	Ervin Way, Queniborough	2	John Tinning
16/09/2015	St Swithins Road, Leicester	1	Adrian Russell
21/10/2015	St Swithins Road, Leicester	1	Adrian Russell

**Nine additional records in 2015 (shown in blue) included in this fully updated list of all records of this species.**

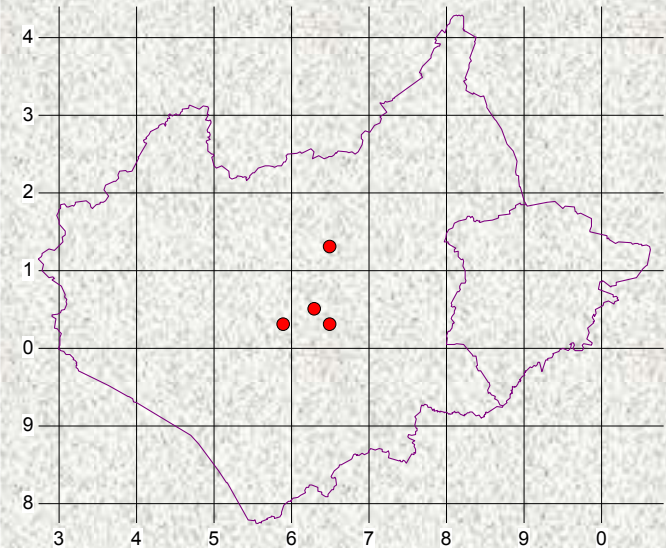


Photo: APR

**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

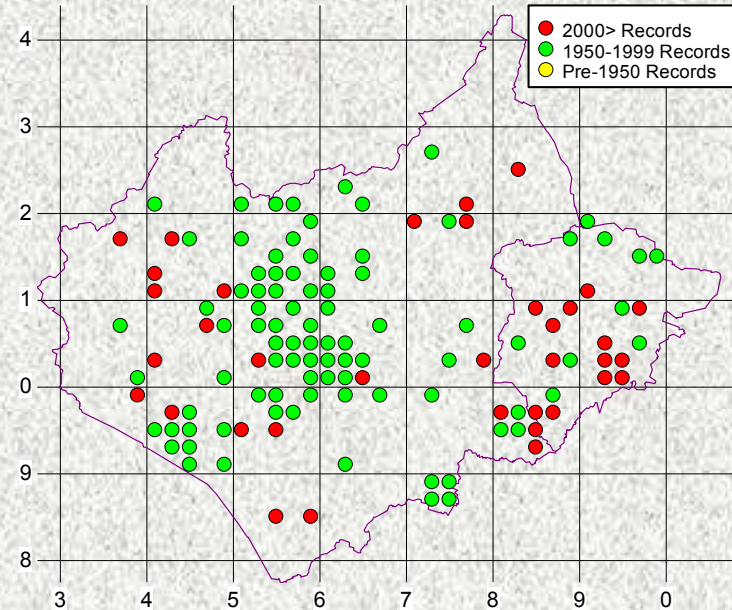
**Please retain specimens for confirmation**



## 2057 Garden Tiger (*Arctia caja*)



Photo: Marc Lansdowne



06/07/2015	Luffenham Heath G.C.	1	Ron Follows
08/07/2015	Flora Grove, Ashby-de-la-Zouch	1	Marc Lansdowne
09/07/2015	Flora Grove, Ashby-de-la-Zouch	1	Marc Lansdowne
09/07/2015	Cotton House, Wakeley Farm, Walcote	8	Jamie Gould
10/07/2015	Pretoria Road, Ibstock	1	Rhys Dandy
12/07/2015	Eyebrook Reservoir, The Dam	6	Ron Follows
18/07/2015	Misterton Marshes	1	Adrian Russell
02/08/2015	Eyebrook Reservoir, The Dam	1	Ron Follows

Larval Foodplant: various herbaceous plants

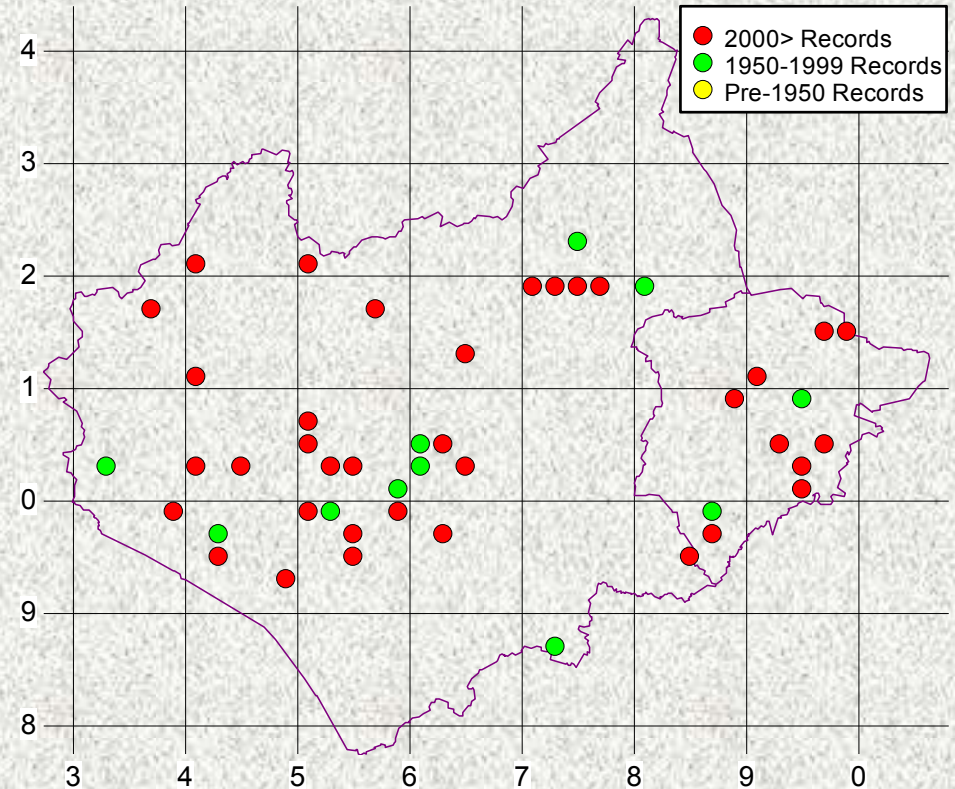
## 2088 Heart & Club (*Agrotis clavis*)



Photo: Adam/Stuart Poole



Photo: Dave Nicholls



**2015: 45 records of 112 moths in total at 21 different locations**

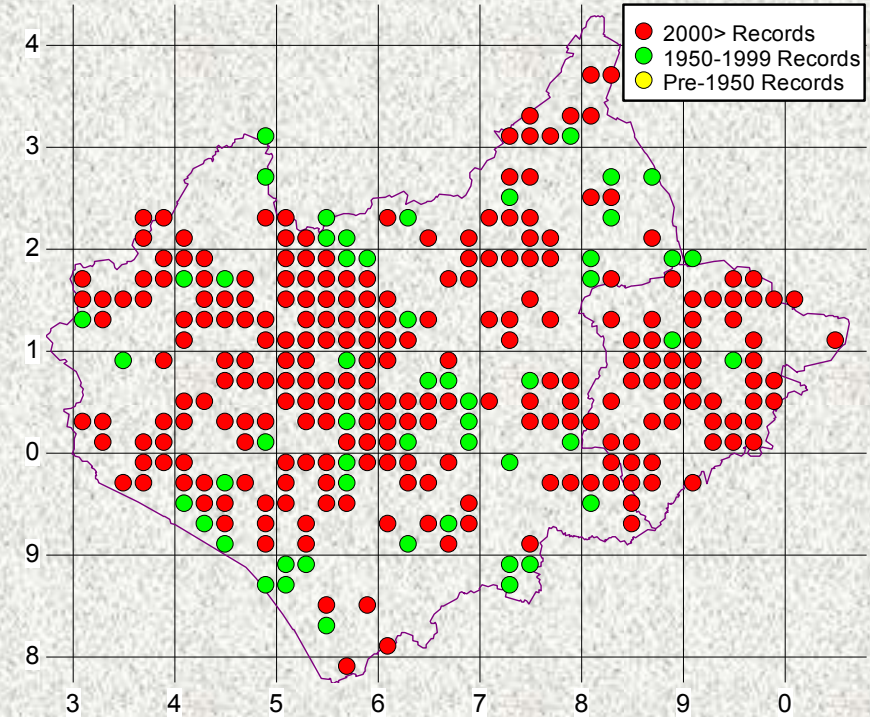
Larval Foodplant: various low plants



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



Photo: Adrian Russell



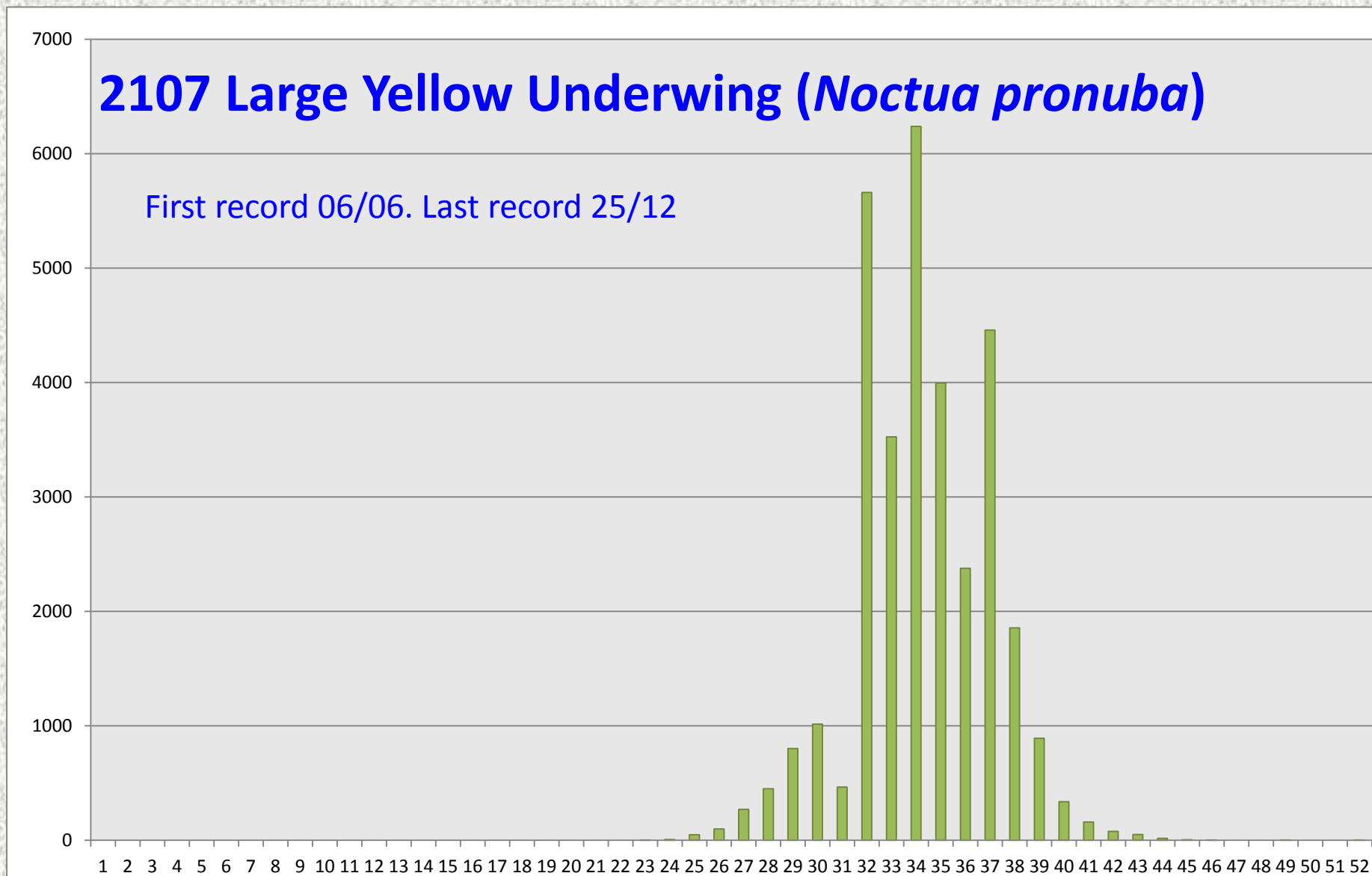
Another example of data for a common species:

**2015: 1,570 records of a total of 28,898 moths!**

Larval Foodplant: various low plants

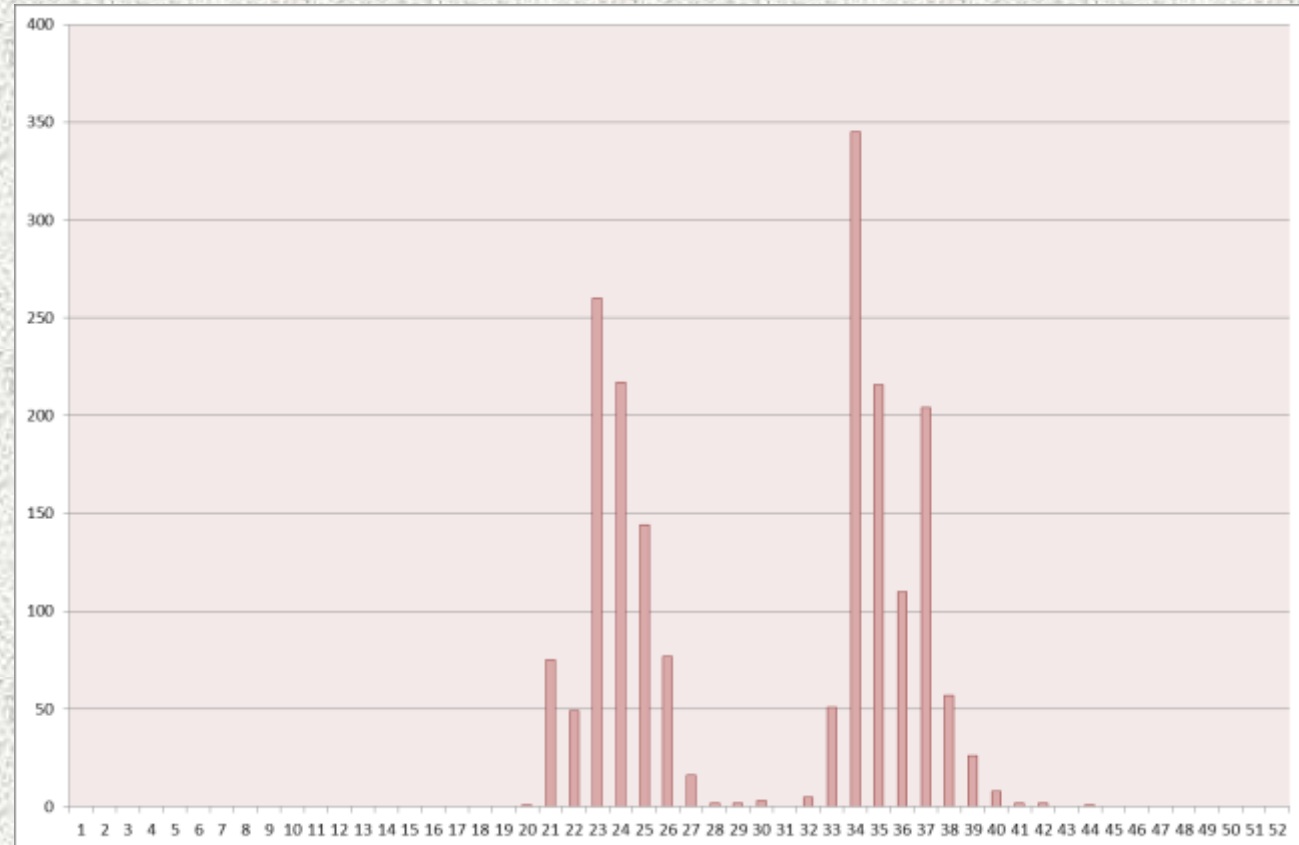
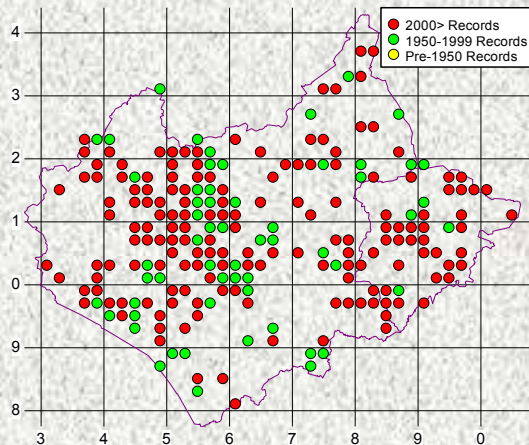
# 2107 Large Yellow Underwing (*Noctua pronuba*)

First record 06/06. Last record 25/12





## 2123 Small Square-spot (*Diarsia rubi*)



As more records are received each year, the quality of flight period analysis charts improves.

## 2165 Small *Ranunculus* (*Hecatera dysodea*)

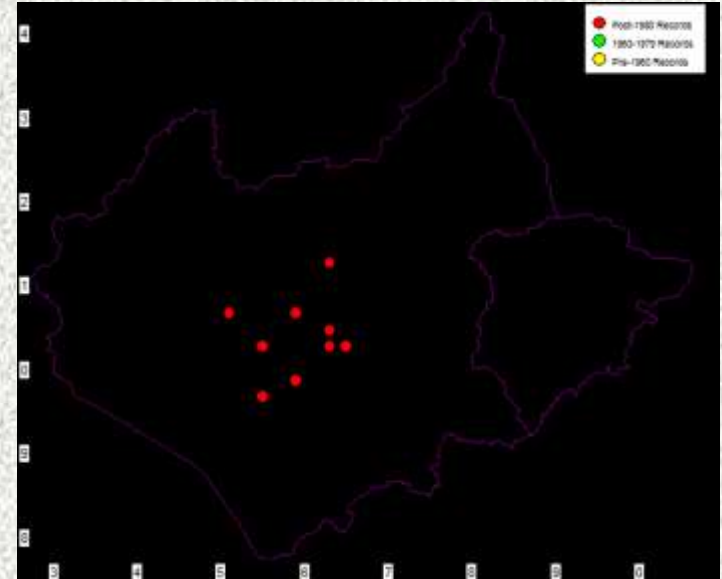


Photo: Mark Skevington 2011

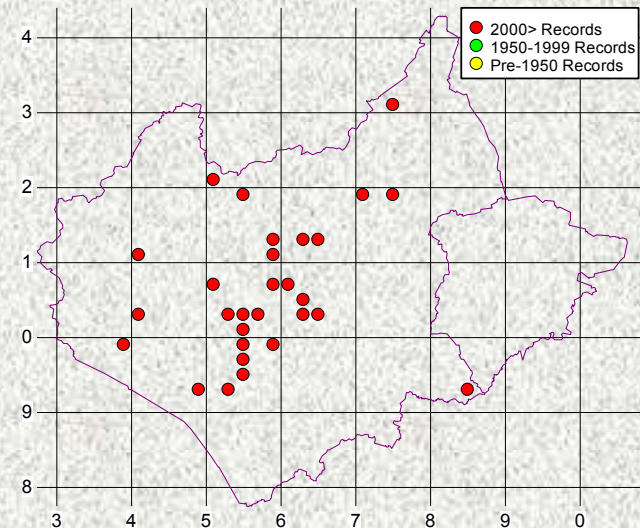
This species continues to advance across the county. How long until we have our first Rutland record?

Larval foodplant: wild and cultivated lettuce (*Lactuca* spp.)

Up to  
1999:



Up to  
2015:

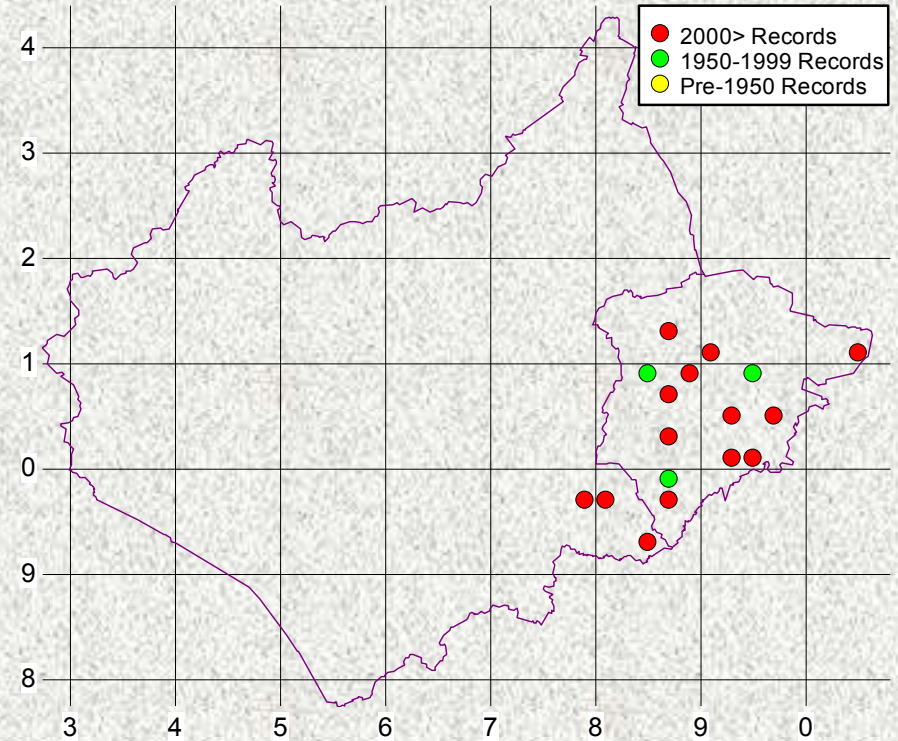




# 2252 Large Ranunculus (*Polymixis flavicincta*)



Photo: Steven Lewis



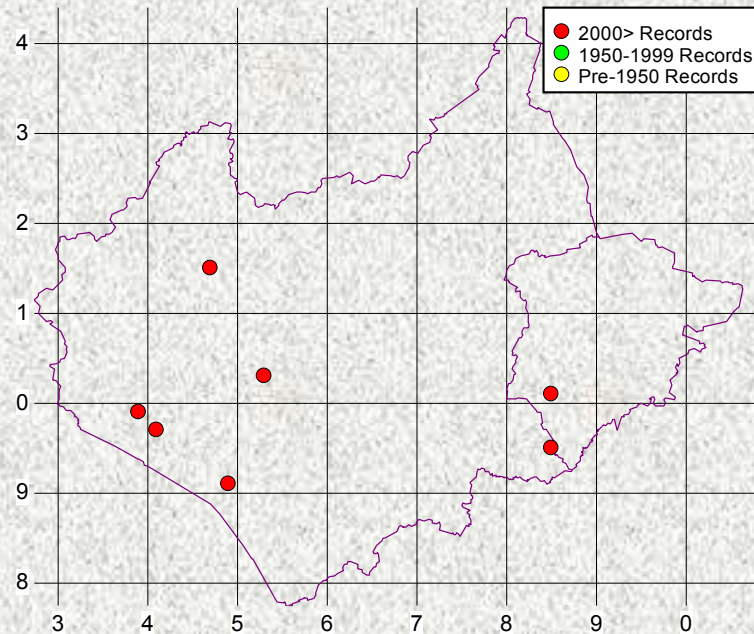
Larval Foodplant: A range of herbaceous plants

26/09/2015	Dovecote Close, Barrowden	1	Ron Follows
05/10/2015	Weston Road, Edith Weston	1	Steven Lewis

## 2260 Dotted Chestnut (*Conistra rubiginea*)



Photo: Mark Skevington 2012



10/04/2015 Fosse Meadows NR

1 Harry Ball et al

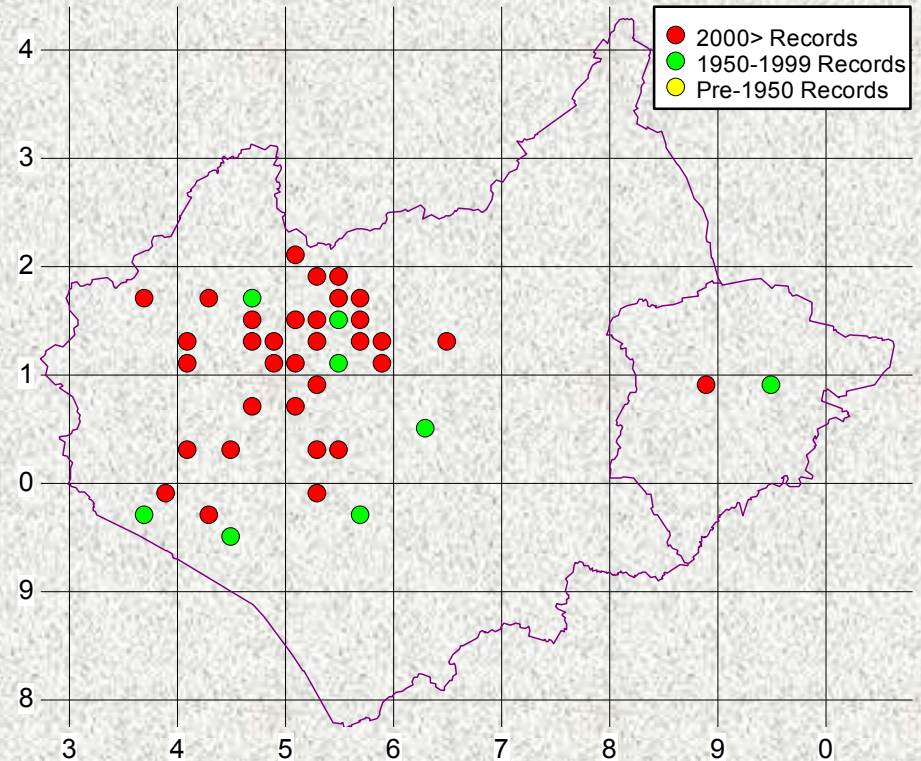
Larval Foodplant: deciduous trees?



## 2301 Bird's Wing (*Dypterygia scabriuscula*)



Photo: Graham Stocks



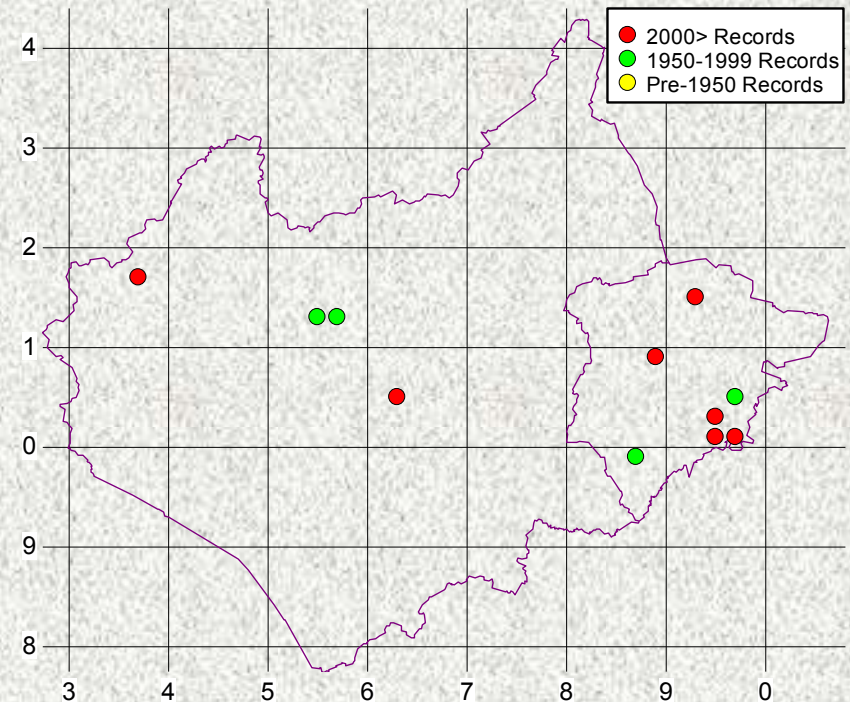
05/06/2015	Pretoria Road, Ibstock	1	Rhys Dandy
24/06/2015	Nunckley Hill Nature Trail, Mountsorrel	1	Graham Stocks
26/06/2015	Albert Promenade, Loughborough	1	Steve Lister
30/06/2015	Albert Promenade, Loughborough	1	Steve Lister
03/07/2015	Albert Promenade, Loughborough	1	Steve Lister
16/07/2015	Windmill End, Rothley	1	Les Purnell

Larval Foodplant: low plants

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



Photo: Adrian Russell



15/06/2015	Merry's Meadow N.R., Greetham	1	Adrian Russell
24/06/2015	St Swithins Road, Leicester	1	Adrian Russell
06/07/2015	Luffenham Heath G.C.	1	Ron Follows

Larval Foodplant: roots of grasses?

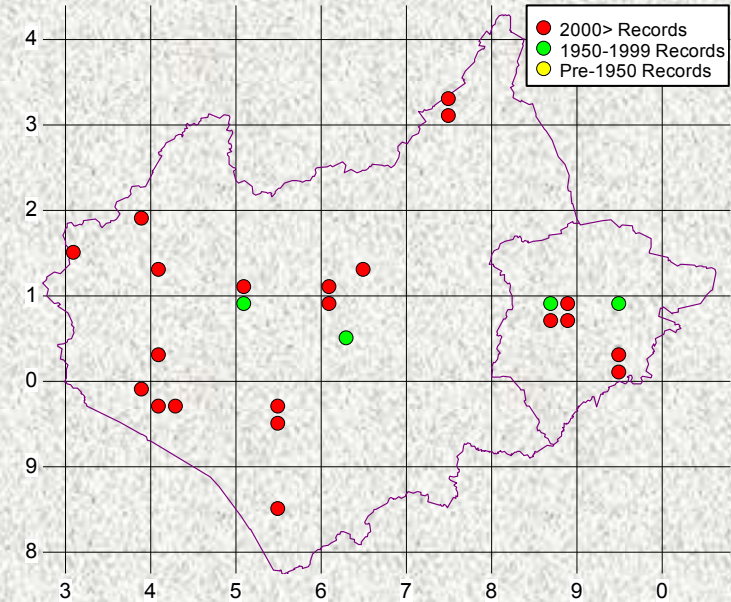


## Reedbed Moths in 2015



Grantham Canal, Stathern Bridge. I first noted this site a few years ago finally got round to trapping there one evening in 2015. See following 3 slides for details of species recorded there.

## 2371 Brown-veined Wainscot (*Archanara dissoluta*)



04/08/2015	Rutland Water NR, Egleton	6	Paul Palmer
09/08/2015	Rutland Water Reed Bed	82	Ron Follows
12/08/2015	Grantham Canal, Stathern Bridge	2	Adrian Russell
17/08/2015	Grantham Canal, Harby	1	Adrian Russell & Pete Leonard
21/08/2015	Pintail Close, Whetstone	1	Mark Skevington
21/08/2015	Kelham Bridge N.R.	36	Adrian Russell & Graham Finch
22/08/2015	Rutland Water Reed Bed	6	Ron Follows
22/08/2015	Rutland Water reedbed	7	Adrian Russell

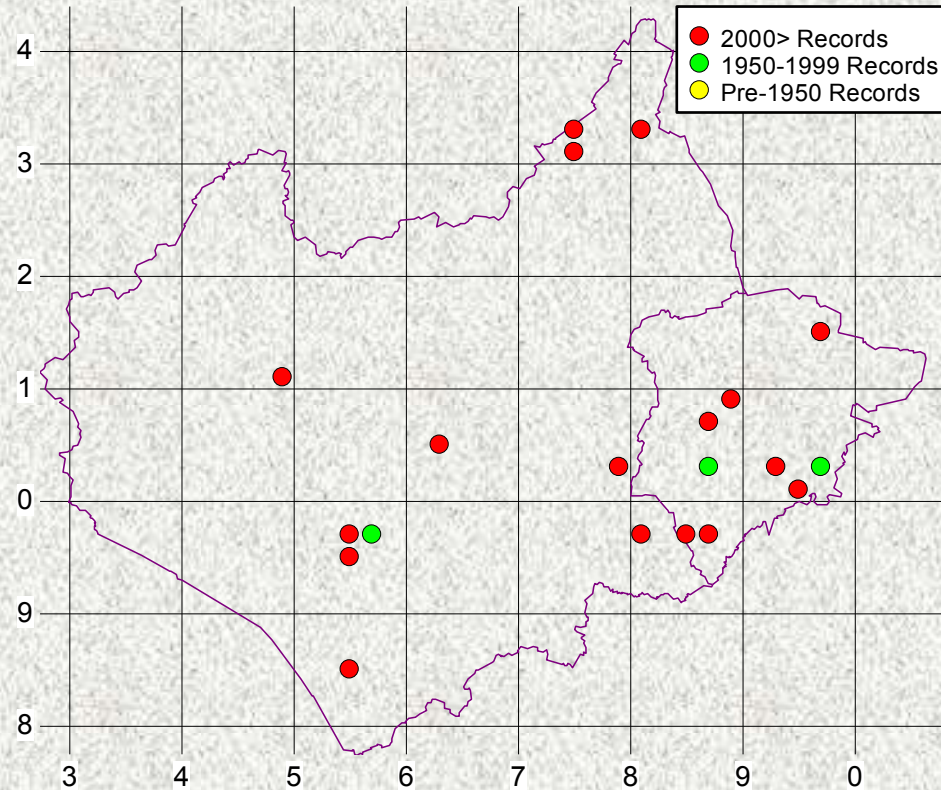
Larval Foodplant: Common reed (*Phragmites australis*)



## 2377 Fen Wainscot (*Arenostola phragmitidis*)



Photo: Adrian Russell



18/07/2015 Misterton Marshes	1	Graham Finch
07/08/2015 St Swithins Road, Leicester	1	Adrian Russell
07/08/2015 Old Park Wood, Belvoir	1	Graham Finch
12/08/2015 Grantham Canal, Stathern Bridge	3	Adrian Russell
17/08/2015 Grantham Canal, Harby	1	APR & PL

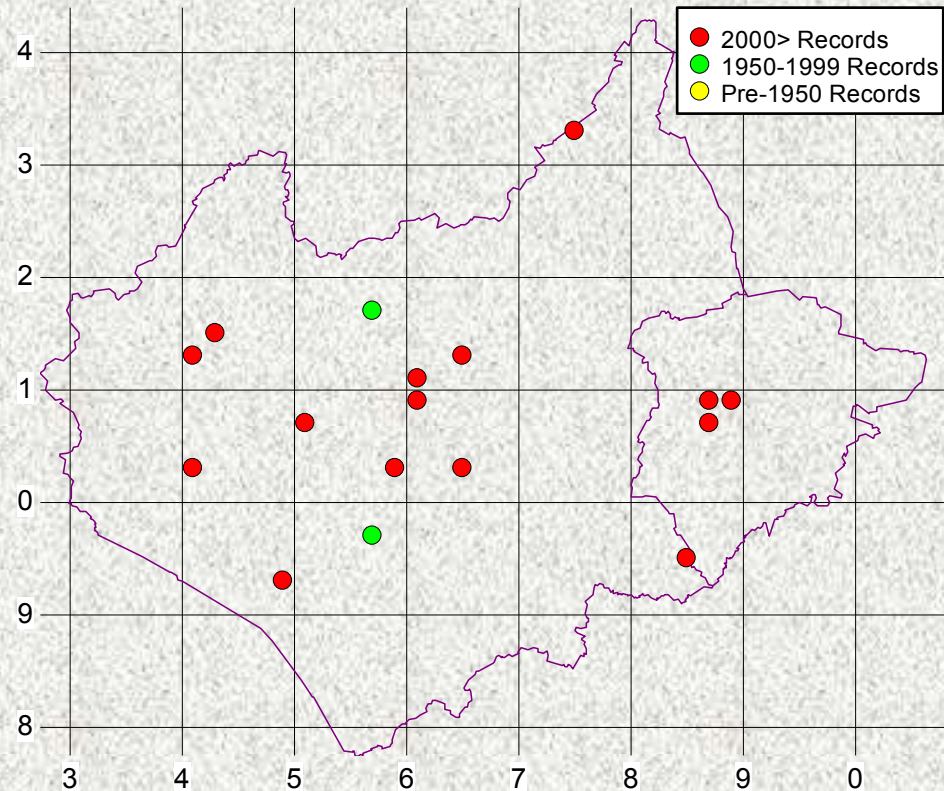
Larval Foodplant: Common reed (*Phragmites australis*)

## 2391 Silky Wainscot (*Chilodes maritimus*)



Photo: Adrian Russell

The larvae are partially carnivorous, feeding on insects, including pupae of other wainscots, internally within the stems of common reed (*Phragmites australis*).



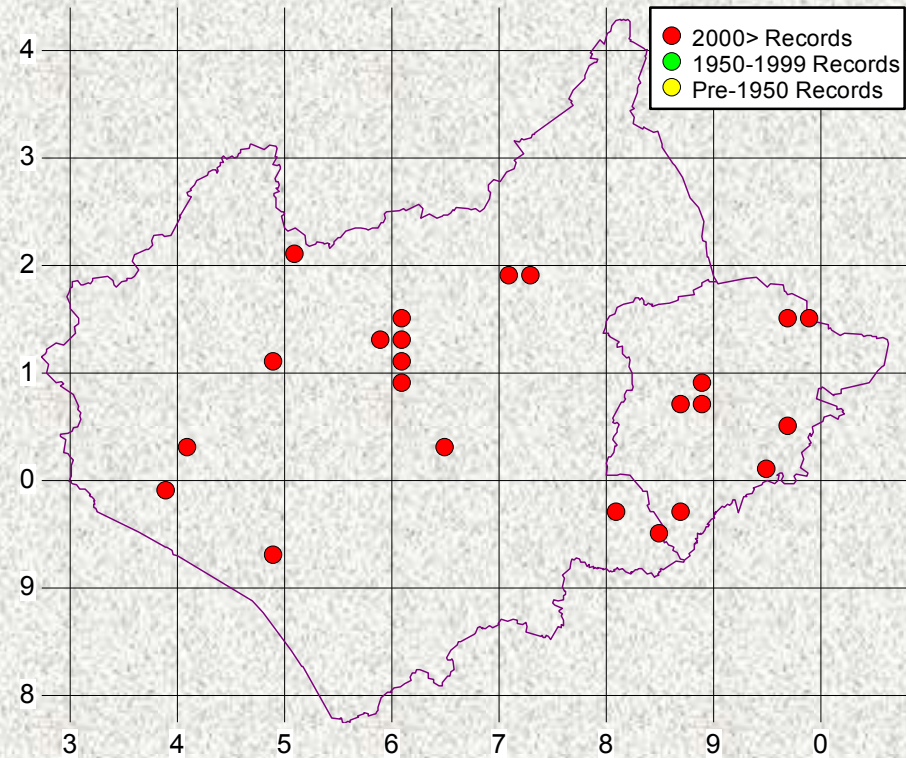
30/06/2015	Rutland Water Reed Bed	2	Ron Follows
04/08/2015	Rutland Water NR, Egleton	1	Paul Palmer
09/08/2015	Rutland Water Reed Bed	6	Ron Follows
12/08/2015	Grantham Canal, Stathern Bridge	1	Adrian Russell
21/08/2015	Kelham Bridge N.R.	3	Graham Finch & Adrian Russell
21/08/2015	Kelham Bridge N.R.	2	Graham Finch
22/08/2015	Rutland Water Reed Bed	1	Ron Follows
04/09/2015	8 St Marys Road, Leicester	1	Ron Ellis



## 2370 Twin-spotted Wainscot (*Archanara geminipuncta*)



Photo: Adrian Russell



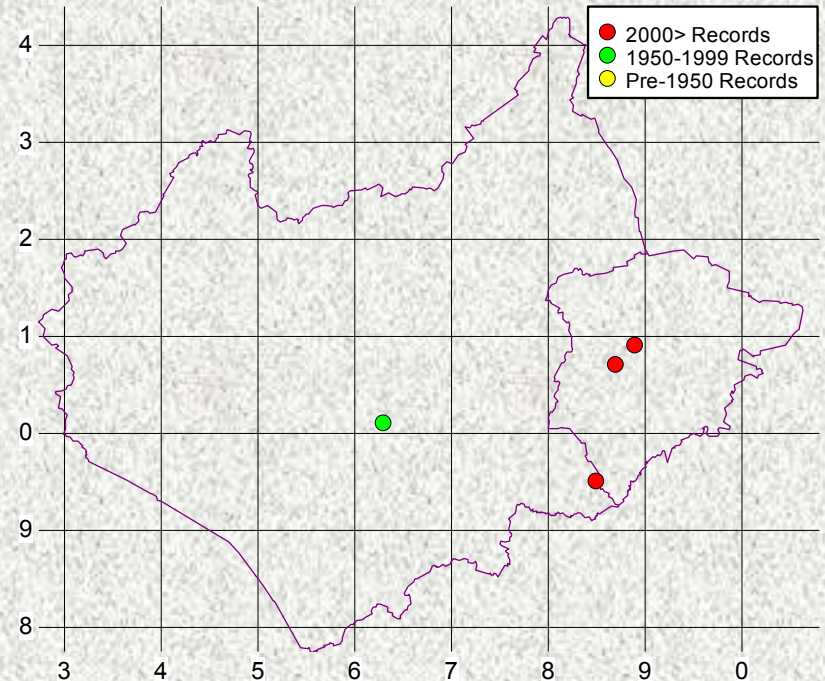
21/08/2015 Harecroft Crescent, Sapcote	1	Graham Calow
22/08/2015 Dovecote Close, Barrowden	1	Ron Follows
27/08/2015 Rhubarb Island, Melton Mowbray	1	APR & Graham Finch
01/09/2015 Cossington Meadows N.R.	1	Adrian Russell
04/09/2015 Wanlip Gravel Pits	1	Harry Ball

Larval Foodplant: Common reed (*Phragmites australis*)

## 2373 Webb's Wainscot (*Archanara sparganii*)



Photo: Adrian Russell 2014



09/08/2015	Rutland Water Reed Bed	3	Ron Follows
22/08/2015	Rutland Water Reed Bed	1	Ron Follows

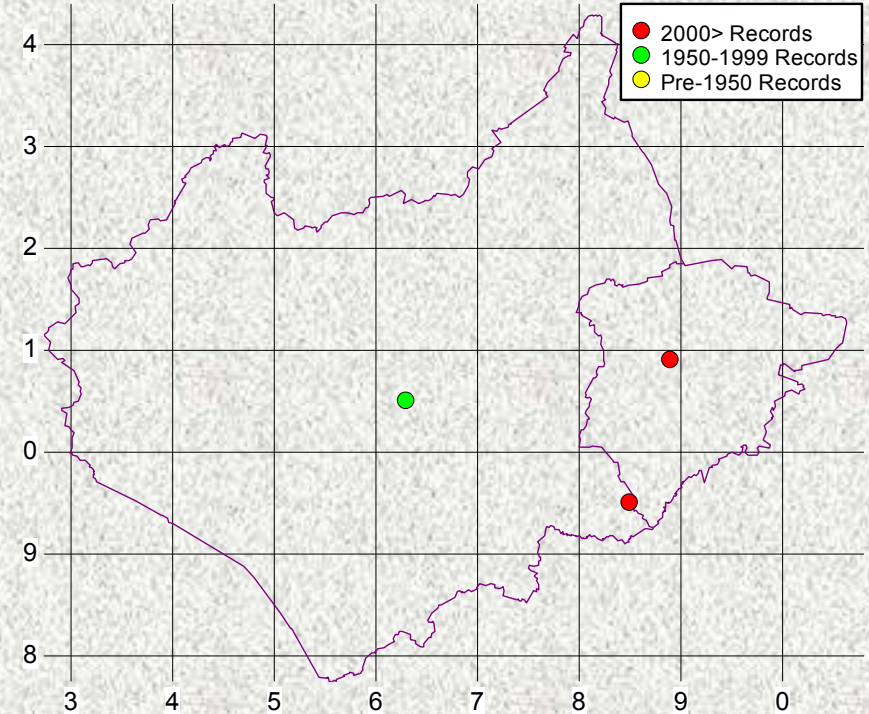
Larval Foodplant: Common reed (*Phragmites australis*)



## 2204 Obscure Wainscot (*Mythimna obsoleta*)



Photo: Adrian Russell



1976	Scraptoft Lane, Leicester	1	Dennis Owen
13/06/2014	Rutland Water Reed Bed	3	Ron Follows
15/06/2014	Eyebrook - The Dam	1	Ron Follows & Jean Harvey
26/06/2014	Rutland Water Reed Bed	2	Ron Follows
30/06/2015	Rutland Water Reed Bed	15	Ron Follows

Larval Foodplant: Common reed (*Phragmites australis*)



An example of what can be recorded at Ketton Quarry on a good night.

MV over sheet + 10 MV traps overnight on a vedry mild night (25-16C)

Total catch:  
**3,248 moths of  
248 species.**



## Ketton Quarry NR, 1<sup>st</sup> July 2015

- *Syncopacma taeniolella*
- *Phtheochroa sodaliana* x5
- *Aethes tesserana* x1
- *Epiblema granadaevana* x5
- Treble Brown Spot x67!
- Fern x6
- Haworth's Pug x1
- Satyr Pug x97
- Common Heath x6
- Red-necked Footman x6
- Heart & Club x40
- Marbled Coronet

Only the second record from VC55

Only known from here, Luffenham Heath & Clipsham Quarry

Only two previous records: from here & Luffenham Heath

Obviously well-established here now

Must be a very strong colony.

Rarely seen at light

First time taken in such numbers

An unprecedented number for one night



Satyr Pug. Photo Mark Skevington

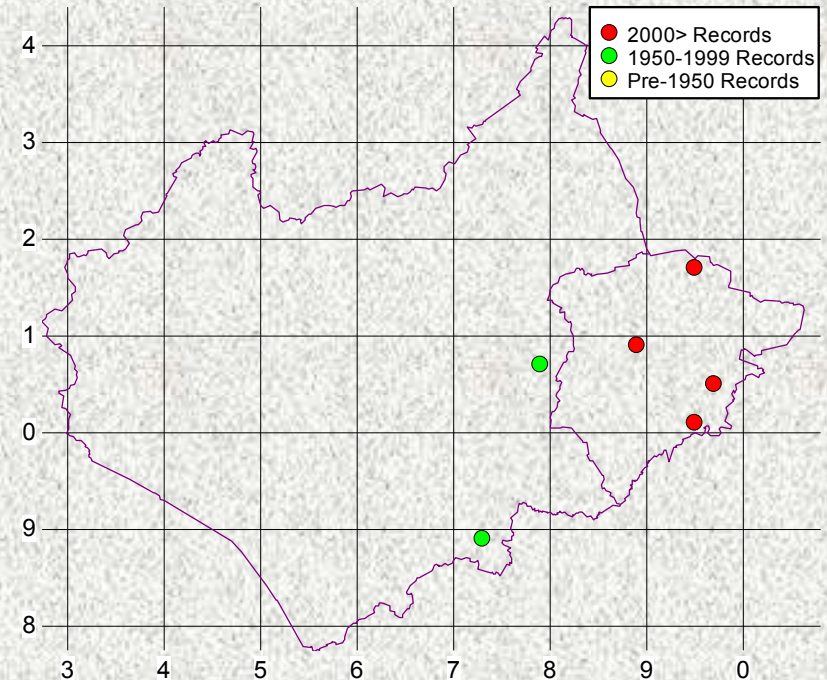


Treble Brown Spot. Photo Mark Skevington

# 1735 Ruddy Carpet (*Catarhoe rubidata*)



Photo: Adrian Russell



01/07/2015 Ketton Quarry NR

2

RF/APR/GLF

10/07/2015 Stretton Wood

1

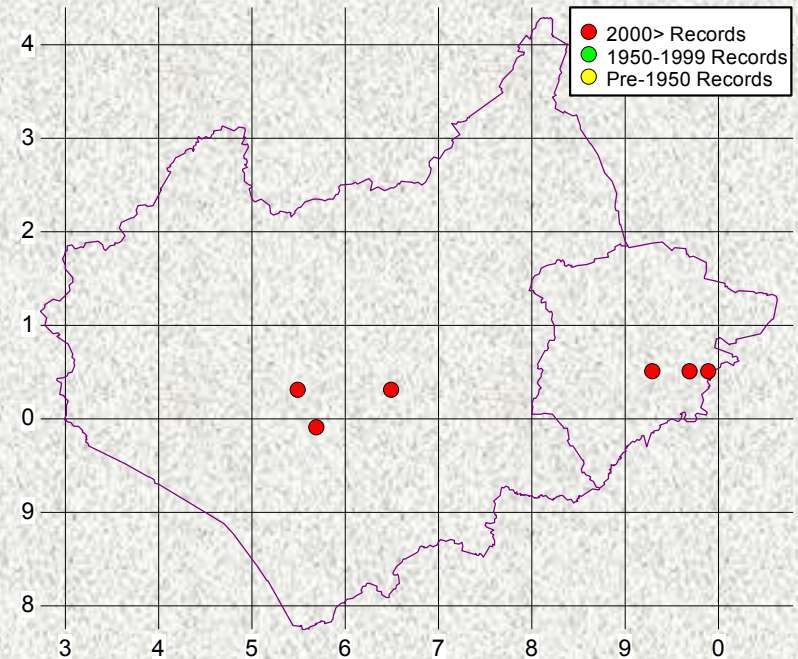
Adrian Russell



## 2068 Scarlet Tiger (*Callimorpha dominula*)



Photo: Adrian Russell



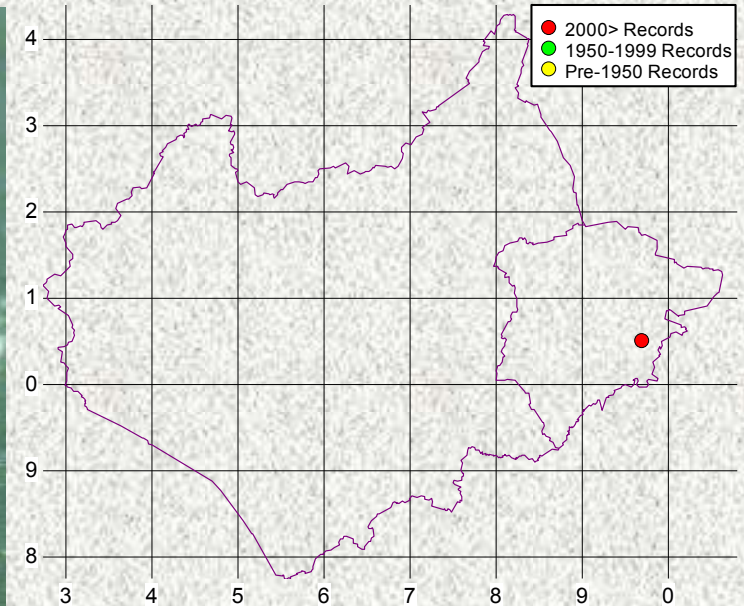
10/05/2015	Great Central Way, Glen Parva	1	Matthew Billings
24/06/2015	Weston Road, Edith Weston	1	Vic Arnold
24/06/2015	Weston Road, Edith Weston	1	Steven Lewis
01/07/2015	Ketton Quarry N.R., south-west section	3	RF/APR/GLF
08/07/2015	Weston Road, Edith Weston	1	Steven Lewis
10/07/2015	Church Lane, Stoughton	1	Alan Prior

Larval Foodplant: mainly comfrey (*Symphytum* spp)

## 173 The Festoon (*Apoda limacodes*)



Photo: Adrian Russell



01/07/2008	Ketton Quarry NR
------------	------------------

1	Ron Follows
---	-------------

01/07/2015	Ketton Quarry NR
------------	------------------

3	RF/APR/GLF
---	------------

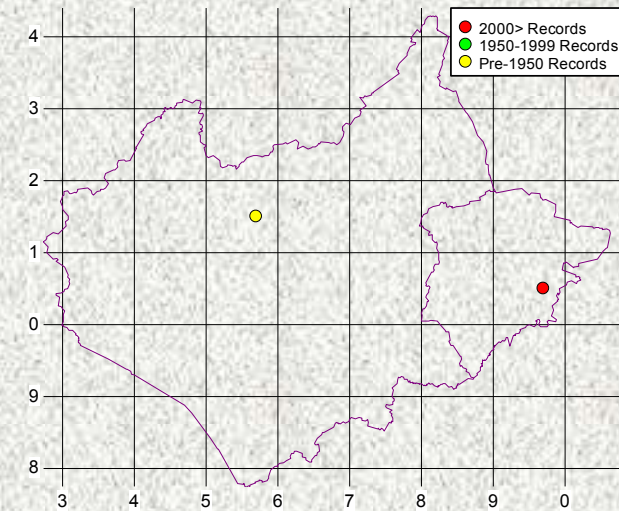
Larval Foodplant: oak & beech



## 2480 Buttoned Snout (*Hypena rostralis*)



Photo: Adrian Russell



### First post-VCH record

N.B. Paul Waring took one in his Peterborough garden the previous evening and Andy Mackay thinks he took one (moth escaped from trap prematurely!) on 4/8 in his Evington garden, which has hop growing there.

<1907 Buddon		VCH
01/07/2015 Ketton Quarry NR	1	RF/APR/GLF

Larval Foodplant: Hop (*Humulus lupulus*).



## 2480 Buttoned Snout (*Hypena rostralis*)



Larval feeding signs

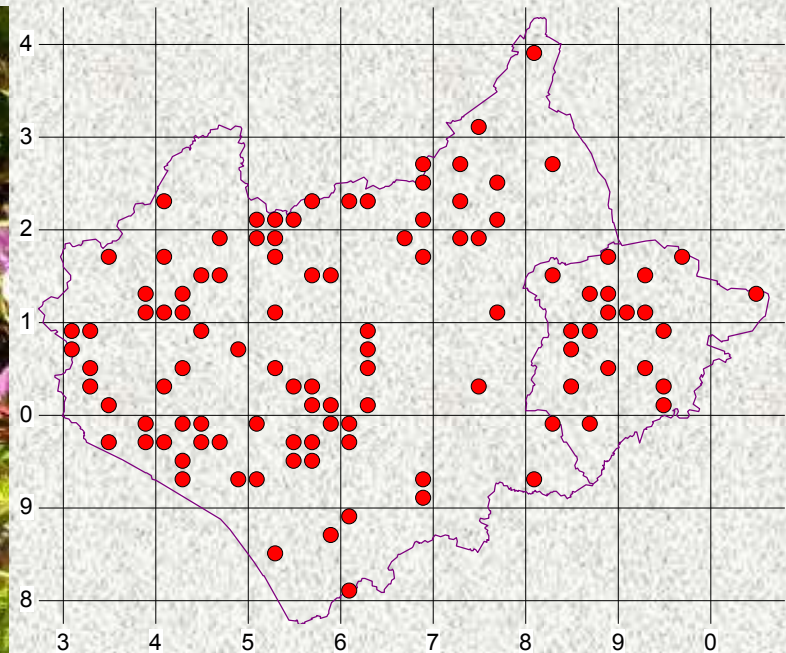
Larval Foodplant: Hop (*Humulus lupulus*).



## 1984 Humming-bird Hawk-moth (*Macroglossum stellatarum*)



Photo: Dave Robinson

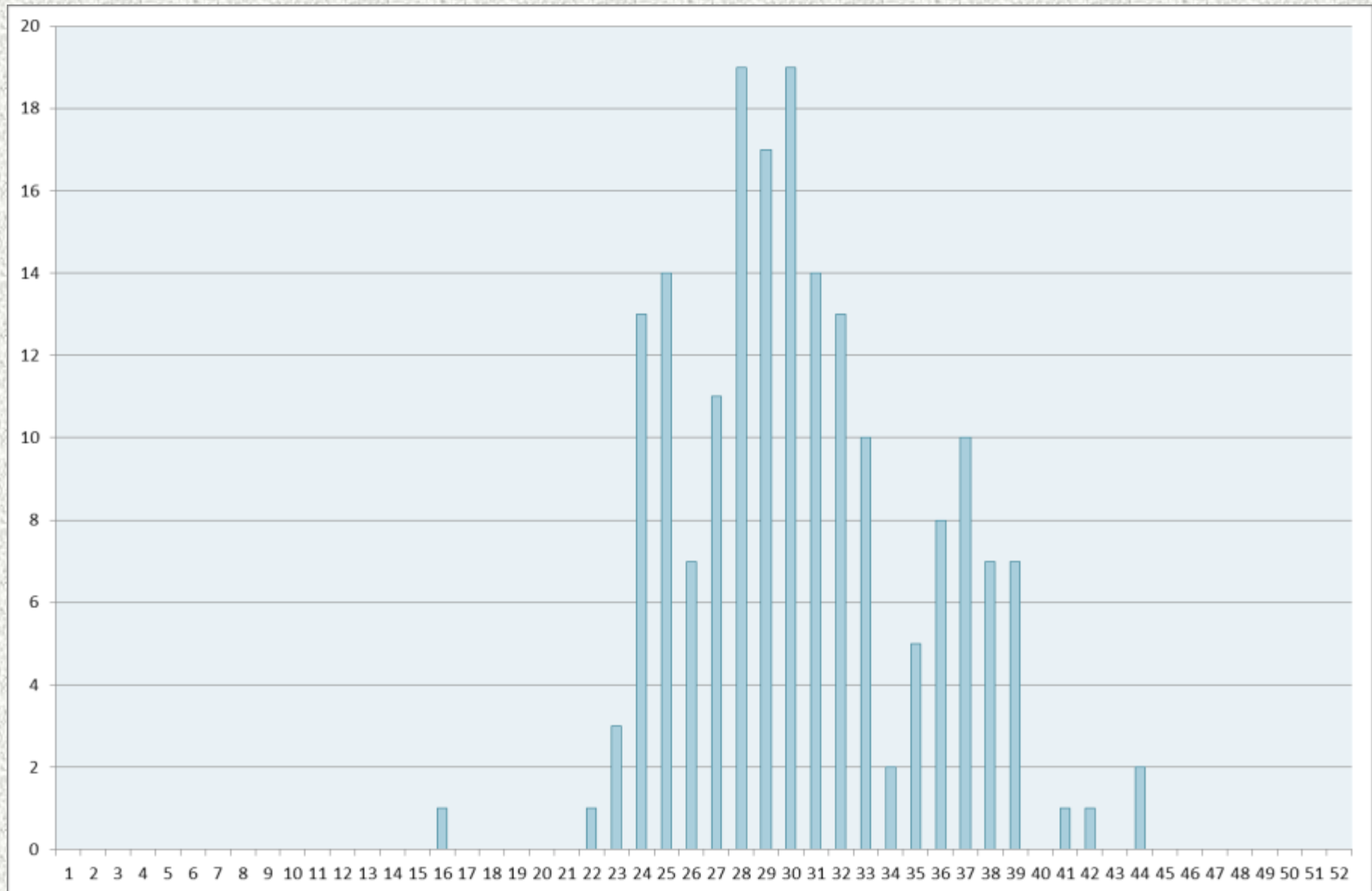


2015: 130 different locations

2015: 173 records between 15/04/15 and 28/10/15

Best ever year?

## 1984 Humming-bird Hawk-moth (*Macroglossum stellatarum*)





## 2385 Small Mottled Willow (*Spodoptera exigua*)



## 2385 Small Mottled Willow (*Spodoptera exigua*)

11/06/2015 Braddon Road, Loughborough	1	Phil Cartlidge
13/06/2015 Saddington Reservoir	1	Adrian Russell
20/06/2015 Shenton Estates North Farm	1	Stephen Smith
24/06/2015 Luffenham Heath G.C.	1	Ron Follows
06/07/2015 Luffenham Heath G.C.	1	Ron Follows
09/07/2015 Cosby Road, Littlethorpe	1	Michael & Samantha Lester
10/07/2015 Shenton Estates North Farm	1	Stephen Smith
10/07/2015 Stretton Wood	3	Adrian Russell
12/07/2015 Cosby Road, Littlethorpe	2	Michael & Samantha Lester
15/07/2015 Pretoria Road, Ibstock	1	Rhys Dandy
15/07/2015 Rosedale Road, Wigston Magna	1	Rod Baker
16/07/2015 Hinckley Road, Dadlington	1	Andy Johnson
16/07/2015 Park Wood, Stockerston	1	Adrian Russell
17/07/2015 St Swithins Road, Leicester	1	Adrian Russell
17/07/2015 Shenton Estates North Farm	1	Stephen Smith
21/07/2015 Harecroft Crescent, Sapcote	1	Graham Calow
02/08/2015 Eyebrook Reservoir, The Dam	1	Ron Follows
09/08/2015 Barnsdale Gardens, Exton	1	Vic Arnold
12/08/2015 Delaware Road, Leicester	1	Andy Mackay
14/08/2015 Shenton Estates North Farm	1	Stephen Smith
19/08/2015 Hinckley Road, Dadlington	1	Andy Johnson
30/08/2015 Hinckley Road, Dadlington	1	Andy Johnson
30/08/2015 Eyebrook Reservoir, The Dam	1	Ron Follows
12/09/2015 Brantwood Garden, Melton Mowbray	1	Paul Palmer

**2015: Best ever year for this species**



## 2403 Bordered Straw (*Heliothis peltigera*)



Photo: Adrian Russell



Photo: Gary Freestone

29/05/2015	Cheltenham Road, Leicester	1	Gary Freestone
06/06/2015	Leicester Road, Quorn	1	Ann Brown
11/06/2015	Cheltenham Road, Leicester	2	Gary Freestone
13/06/2015	Glebe Road, Asfordby Hill	1	Sam Pitt Miller
16/06/2015	St Swithins Road, Leicester	1	Adrian Russell
17/06/2015	Shenton Estates North Farm	1	Rosalind Smith
18/06/2015	Main Street, Asfordby	1	Peter Thornton
19/06/2015	Harecroft Crescent, Sapcote	1	Graham Calow
21/06/2015	The Square, Bagworth	1	Sue Timms
23/06/2015	Flora Grove, Ashby	1	Marc Lansdowne
30/06/2015	Watsons Lane, Harby	1	Pete Leonard
09/07/2015	Braddon Road, Loughborough	1	Phil Cartlidge
14/07/2015	Delaware Road, Leicester	1	Andy Mackay
13/08/2015	Dovecote Close, Barrowden	1	Ron Follows
22/08/2015	30 Cosby Road, Littlethorpe	1	M & S Lester
10/09/2015	46 Hinckley Road, Dadlington	1	Andy Johnson

## 1990 Striped Hawk-moth (*Hyles livornica*)



Photo: Adrian Russell

**Only 4  
previous  
records**

24/08/2015 Alvington Way, Market Harborough

1 Helen MacDonald



## 2432 Ni Moth (*Trichoplusia ni*)



Photo: John Tinning

18/08/2015	Ervin Way, Queniborough	1	John Tinning
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Only  
the 2<sup>nd</sup>  
VC55  
record



## 2408 Small Marbled (*Eublemma parva*)



Photo: Michael/Samantha Lester

12/07/2015 Cosby Road, Littlethorpe

1

Michael & Samantha Lester

Only  
the 2<sup>nd</sup>  
VC55  
record



**Work Towards Publication of:  
“The Butterflies & Moths of Leicestershire & Rutland”**

Processing records: Clearing the backlog!

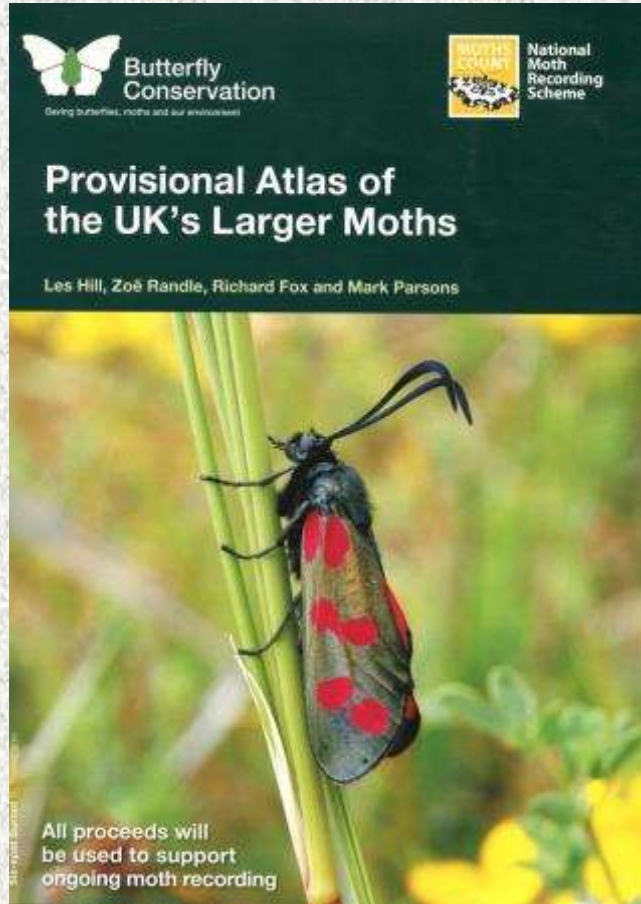
Total records in database: 591,282  
& increasing by 60,000+ records p.a.

Data cleansing/record validation ongoing

Historical research: e.g. Uppingham School archives

Leicestershire reference collection: Catalogued by Les Purnell (who has been working on this for 10 years!)

## Fieldwork:

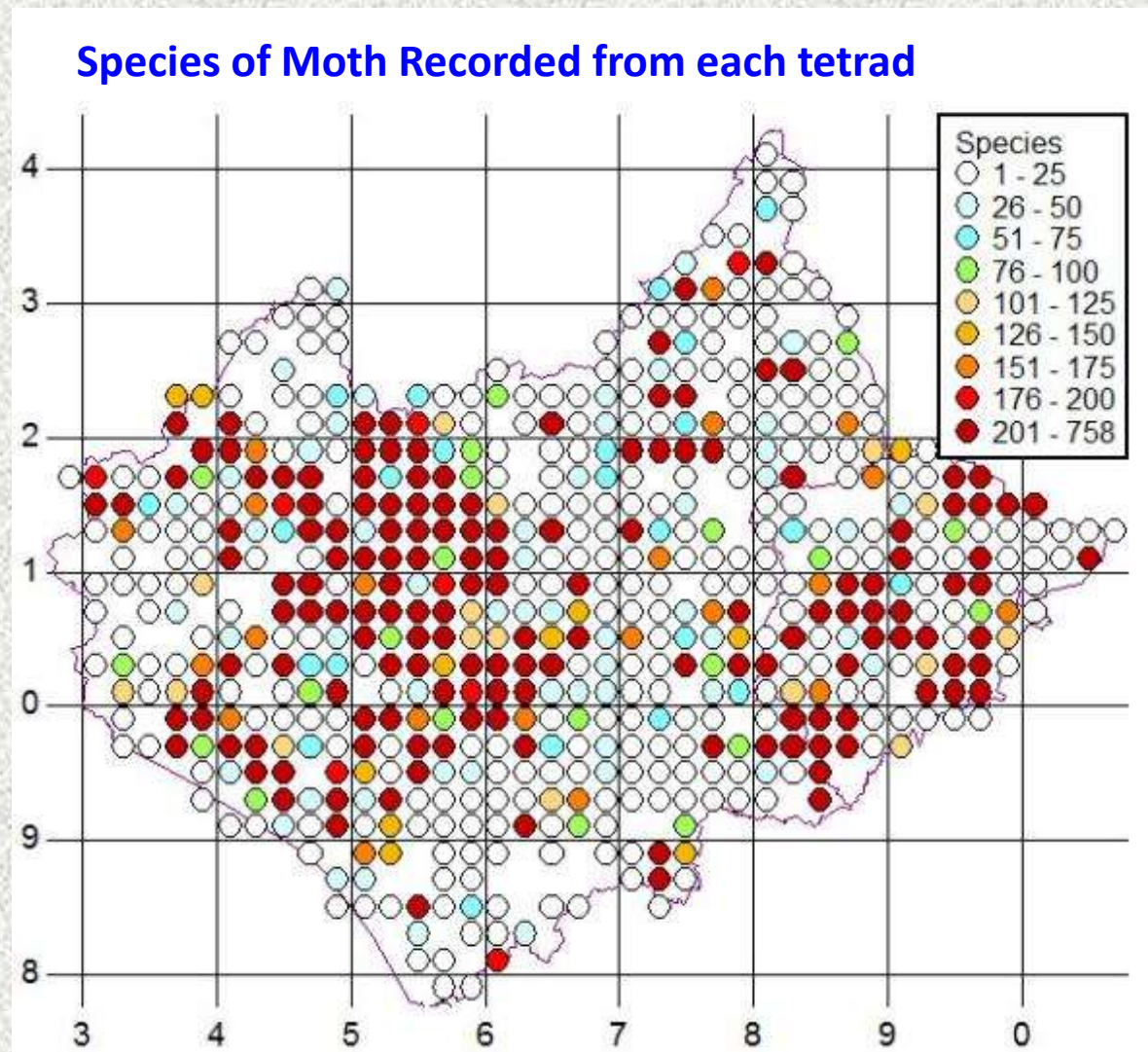


2016 is the cut-off year for records for inclusion in the new national Atlas of the UK's Larger Moths.

Time to fill in as many gaps as possible?

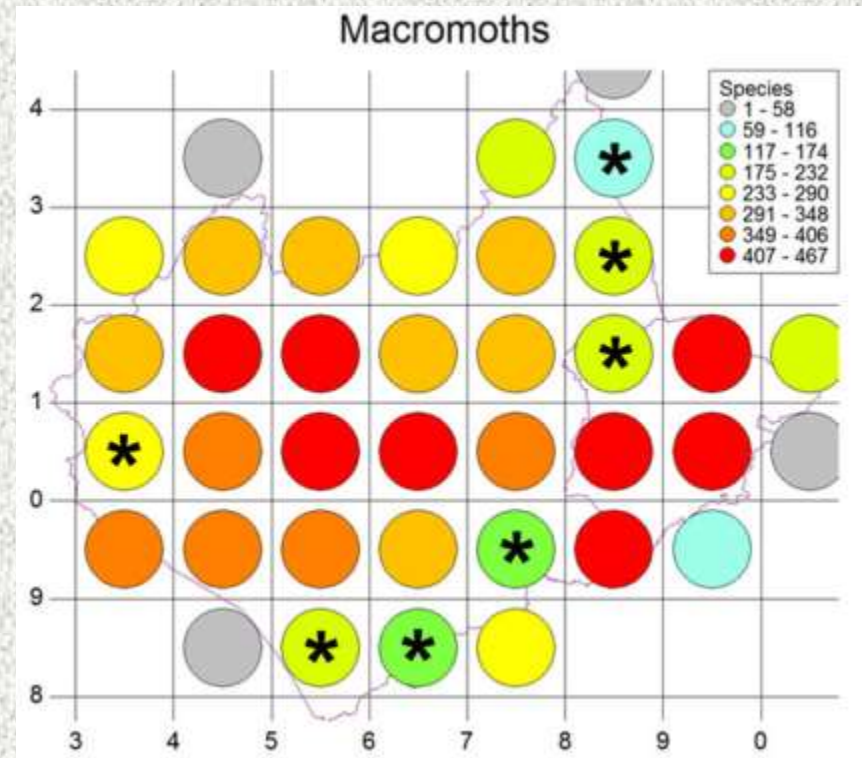
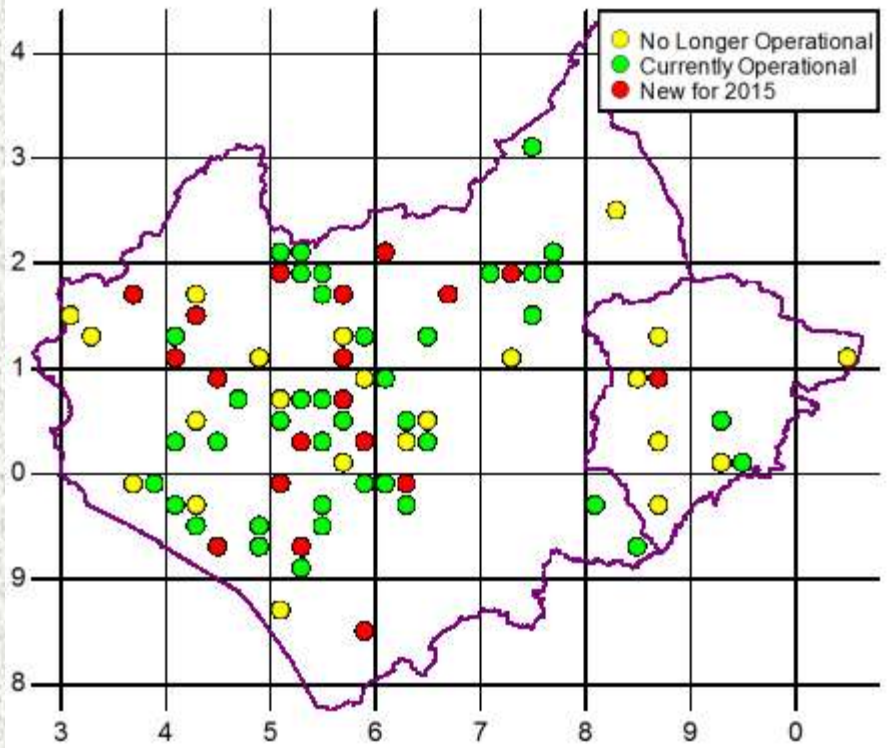


## Fieldwork: Working under-recorded tetrads (2km squares)



## Fieldwork: Working under-recorded 10km squares

Post-2000 Garden Moth Trapping - New for 2015



**Do we know any potential garden moth trappers living in these under-recorded areas?**  
**Does anyone need any help with trapping outside of their garden?**



## Fieldwork: Working under-recorded 10km squares

**SK30**





## Fieldwork: Working under-recorded 10km squares

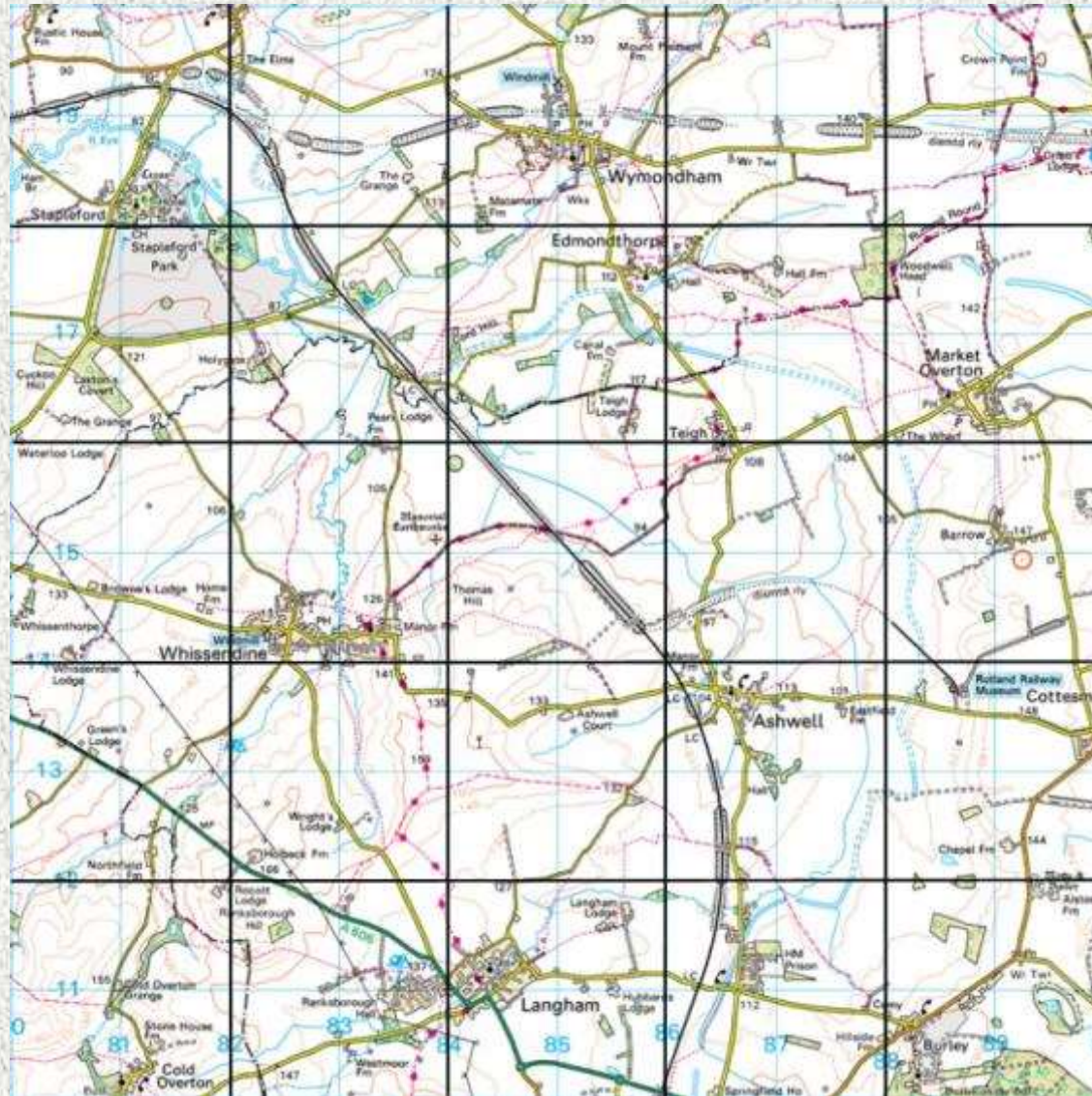
**SK82**





## Fieldwork: Working under-recorded 10km squares

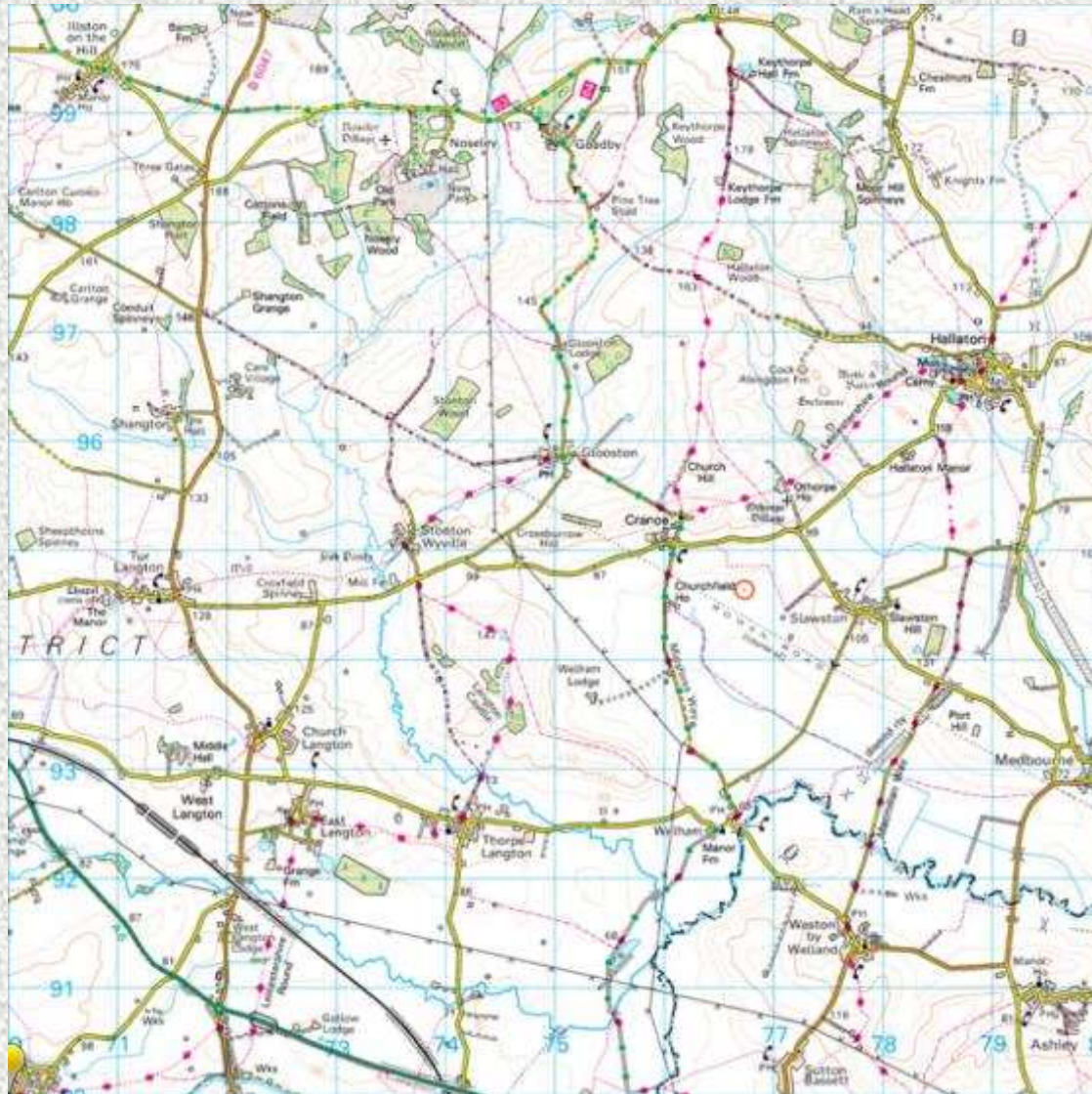
**SK81**





## Fieldwork: Working under-recorded 10km squares

**SP79**





## **Fieldwork: Working under-recorded 10km squares**

**SP78 = Market Harborough**

Never had a garden moth trapper!

## Fieldwork: Working under-recorded 10km squares

**SP68**





## Fieldwork: Working under-recorded 10km squares

**SP58**



## **A few fieldwork ideas:**

- Monitoring colonies of day-flying moths, e.g. Forester & Four-spotted Moth
- Targeted species recording, e.g. Pugs – larvae & dusk netting
- Moth trapping in under-recorded areas....or anywhere!
- Apart from National Moth Night, most group moth trapping sessions last year were poorly attended. Nevertheless, I will arrange a few this year. Let me know if there are any specific locations that you would like to be included



## Thanks must go to:

- All of the VC55 moth recorders who contributed so many moth records in 2015
- Steve Nash, Rob Edmunds & Patrick Clement who kindly gave permission for me to use their photographs in this presentation and the many VC55 recorders who I assume would have done likewise, if asked!