



Butterfly  
Conservation



**HAMPSHIRE & ISLE OF WIGHT  
BUTTERFLY & MOTH REPORT  
2014**

# Hampshire and Isle of Wight Butterfly and Moth Report 2014

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# Introduction

Hi all,

Welcome to the 2014 edition of the Hampshire and Isle of Wight annual review of the lepidoptera year.

As will be obvious, this year's annual report is of a different, more slimline nature to that which we've grown used to over the past few years so I will have to start this introduction with an explanation.

The reasons are two-fold. From a financial perspective, over the past few years the branch has increasingly come under pressure on costs as the net expenditure (income less costs) has been negative per member. Production of the annual report and newsletters are a significant overhead for the branch on an annual basis and we have therefore had to review how we can continue to offer a premium product while balancing the books.

Secondly, producing a report of the size and quality that the branch has produced in previous years requires a prodigious amount of time and effort by a team of dedicated individuals. At the end of 2014 and early 2015, both the incumbent county butterfly and macro-moth recorders resigned for personal reasons; this left the branch with the task of finding both a new butterfly recorder and passing the responsibility of managing the largest county moth database in the country onto one individual. Bob Annell, our new butterfly recorder, has stepped into the breach and with very little support from myself due to work pressures has taken on the task of almost single-handedly producing the document that you are now reading. Without him, there would almost certainly have been no 2014 report, so on behalf of the branch I would like to register my sincere gratitude for his efforts.

Looking forward to next year, we would expect to have a team in place to assist the editor with the production process. We would very much like to hear from anyone who has any skills and time available to come forward to volunteer and assist with this work.

As a consequence the moth component of the report has regrettably also been greatly reduced. This is simply a consequence of my not having any time to do justice to the job and not wanting to delay getting the publication out any further. We will review the format for publication to be adopted going forward.

The year under review was a mixed one for the county's lepidoptera, with our species' fortunes fluctuating as ever with the vagaries of the weather. Nature conservation in this country appears to be nowhere near the top of the government agenda – disappointingly inevitable whenever the economy suffers – and the role of organisations such as Butterfly Conservation become all the more important at the same time as funding channels become restricted. Your continued support is so vital in enabling us to maintain and build on the work for which your Branch is nationally renowned, and continue to fight to protect butterflies and moths in Hampshire.

Finally I'd like to thank Jayne Chapman and the reserves team for their continued dedication to the cause in 2014, my fellow committee members for their support and energy, and to you the membership without which the branch could not exist.

**Mike Wall**

Chair, Hampshire and Isle of Wight Branch  
August 2015

### Bentley Station Meadow

According to a Met Office summary, spring 2014 was on the whole very average, and followed on from an exceptionally wet and stormy winter season. April proved to be a wet month in Hampshire, with an overall mean temperature for spring of 9.0°C which at 1.3°C above average, was a very respectable 3.0°C warmer than the previous spring of 2013. These are perfect conditions for the emerging hibernators such as Peacock, even though only one was seen on the first transect of the year on 4 April, with a total of 24 seen on transect - just seven down from the previous year. Small Tortoiseshell and Brimstone were up, with Red Admiral up from one to 10, and Orange-tip increasing to 20 from 2013's 10.

In 2013 Marbled Whites increased in numbers significantly, with 92 counted on transect, compared to the previous highest number recorded in 2010 of 51, however, 2014 saw them dip again to a slightly lower count of 33, but that is still the fourth highest count since recording began in 1993.

Overall, the counts were down on the previous year, with the only notable exception being the Large Skipper, which was up to 50 individuals, as opposed to just eight in 2013, but still not close to the 72 recorded in 1997.

A special mention must be made to the single Pearl-bordered Fritillary seen by Thelma Smalley nectaring on bugle. This is the first record on transect of this butterfly, which also happens to be one of our target species. Although counts of Silver-washed Fritillary were down in 2014, it was still their third best year ever. Clouded Yellow failed to make an appearance on transect, but Dan Hoare noted a freshly emerged individual on 28 October in the eastern corner of the South meadow.

Other species of note was an orange ladybird *Halyzia 16-guttata*, seen by Sue Clark. This species feeds on mildews and requires deciduous trees - particularly sycamore and ash. Up until 1987, it was considered to be an ancient woodland indicator (AWI) species. Another AWI is Herb Paris, which is now well established at Bentley Station Meadow, and increasing year on year.



Herb Paris Jayne Chapman

## Conservation work

Conservation work exceeded expectations, with a good turn-out of volunteers at every planned work-party. A rough estimate of the many hours put in by all, including the South Downs Volunteer Ranger Service, Hampshire Conservation Volunteers and contractors, came to approximately 330 hours.

The majority of the conservation work is tackled by our own group of regular volunteers but, on occasion, we have to call in the contractors. This was necessary for five days during January, to clear the fallen trees from the previously mentioned storm weather, mostly willow which are particularly prone to wind-blow. Goat Willow and Grey Willow (*Salix sp*) are host to numerous moths such as Sallow Kitten, and Lunar Hornet moth, and not forgetting the important role they play in the life-cycle of the Purple Emperor butterfly! These willow species frequently hybridise, making identification tricky, so if you ever find yourself wandering through the meadow with time on your hands, have a look at the varied and variable leaf shapes, colours and textures.

## Grazing

Once more, as in previous years, the reserve was grazed with cattle supplied by John and Doreen Wolfe. The two Hereford cattle and a Belted Galloway arrived earlier than usual on 21 July - the aim being to graze a little harder and to take advantage of the drier conditions - and left on 22 October.



*Great work by the South Downs Volunteer Ranger Service Jayne Chapman*

## Magdalen Hill

Magdalen Hill Down gets its fair share of attention over the winter months in the form of work-parties, and probably more than the other reserves just through its sheer size and complexity. The target species that we manage for under our Higher Level Stewardship Agreements with Natural England include Chalkhill Blue and Brown Argus. The latter prefer to lay eggs on the food plant – Rock-rose, which requires short areas of turf and bare ground in which to germinate. I'm pleased to say that our two small flocks of sheep are our top volunteers in this department, working all year round to keep part of the site in optimum condition for these species. However, other butterflies have different requirements, so scrub management is selective and done with manpower and (mostly) hand tools, for species such as the Small Blue, which prefer a combination of shelter and early successional conditions.



*Small Blue Mike Wall*

Jenny Mallett ended her report of this flagship reserve in 2013 with anticipation and optimism for even better results in 2014. So, how did the butterflies fare this year?

Beginning with the Allotments, the butterflies were up for what is only its second year of recording. Numbers increased from 848 in 2013 to 1001 in 2014, with significant increases showing for Marbled White and Meadow Brown. The ragwort on this part of the reserve continues to vex us, but an ongoing management that includes pulling, treating with glyphosate and topping will help us to control it over the longer term.

The Chalkhill Blue continued its downward spiral in 2014, with a drop from 1789 to 782 on the Original transect, but this decline was true across a broad range of sites, not just our Hampshire Reserves.

We had unexpected news on 17 May, when I received an email from Chris Cobb with a photograph of a perfect Adonis Blue that he had seen in Chalk corner (Chris's photo is shown right; female below left by Mike Wall). This species went on to do very well across the site, resulting in a second brood later in the year. A total of 22 were recorded across North, the Original and the Extension transects. This is the first year that this species has colonised Magdalen since Butterfly Conservation took it over in 1989. It will be interesting to see what 2015 has in store for this species.



*Adonis Blue Chris Cobb*

Chalk Corner also proved to be popular with both Small Blue, and the female Peacock butterfly. The photo below is of a late instar Peacock larva.



*Adonis Blue (female) Mike Wall*

We had some of the all-time highest counts on transect for many species since recording began. They were as follows. Original: Brimstone 203, Adonis Blue 9, Marbled White 918. North: Small Blue 50, Adonis Blue 12, Small Tortoiseshell 70, Speckled Wood 7, and Ringlet 261, which was in single figures just four years ago. Extension: Brimstone 173.

### Grazing

Keeping and managing livestock is both necessary to maintain the habitat, and time consuming from a staff and volunteer perspective. In 2014, Superman, the bull, arrived with the cows. This involved obtaining a derogation from Natural England to allow closure of some permissive access rights – we do this to minimise any perceived risks for both the public and the livestock. The sheep are generally trouble-free but they still require routine maintenance such as treating for fly-strike, and shearing. This task either seems to coincide with the wettest day or the hottest day of the year!



*Peacock larva Jayne Chapman*



In 2014, nine British White calves were born on the Allotments, as part of the breeding programme set up by the Hampshire and Isle of Wight Wildlife Trust who continue to provide Butterfly Conservation with livestock for all our grazing requirements.

All in all, a good year.

*Sheep shearing in the new corral (Jayne Chapman)*



*Calves on The Allotments (Jayne Chapman)*



## Yew Hill

The male Adonis Blue that I saw on the reservoir front on 29 October 2013 didn't put in a repeat performance in 2014, but other species put on quite a show.

Overall, 2014 was not as good a year for butterflies on the Reserve as 2013, with numbers declining from 2939 in 2013 to 2523. As in the previous year, the main species responsible for the drop in numbers was the Chalkhill Blue (88 from 459), however, the Meadow Brown appeared to bounce back with a slight increase on 2013 to 493. Once again, the Marbled White was more common than the Chalkhill Blue – up from 513 to 723!

Other species that did well were Dingy and Grizzled Skippers obtaining their own personal bests, since records began with counts of 30 and nine respectively. The Brown Argus had an impressive jump from four to 44, and Small Tortoiseshell excelled at 33, up from just 8. The 'whites' fared less well, with the Large White having a dismal count of nine (down from 92), and the Small White not much better at 43 from 168. The Brimstone (131 recorded) had its second best year ever.

Common Blue had its second best season on record in 2013 with 250 seen, and maintained a hold in 2014 with 227 recorded on transect.

Small Heath dipped from 126 to 40, a trend that was evident across all three of our Hampshire reserves, but Small Blue peaked at four from a zero count in 2013.



### Conservation work

The usual practical winter tasks began in January clearing the fence lines around the reserve from invading hawthorn and clematis. Other tasks that are repeated each year include controlling the dogwood through cutting and raking, and pulling ragwort. On 14 August a group of us got together on the main reserve, and after a combined effort amounting to 25 hours, we had cleared the majority of it. On Hilltop, the ragwort poses more of a problem, as the great majority is Hoary Ragwort, which is hard to pull

satisfactorily. Therefore a contractor was called in to top the ragwort and flail the brambles around the edge. These have been causing ongoing problems with the sheep that regularly get caught up in them, especially the lambs who don't have the strength to pull themselves free. Dean Gregory spent a day planting whips where the old hedgerow used to be on the north-east boundary, and in 2015 we have plans to plant five disease-resistant Elms within the hedgerow, as standards.

The Southern Water Triangle outside the reservoir fence was cut and raked by our volunteers. This is a time-consuming task, but our plans to fence and graze this area are, as yet, still in the pipeline....

### **Grazing**

Grazing started rather early with three British White cows from Hampshire and Isle of Wight Trust arriving on 6<sup>th</sup> August, these being joined by five more on 19<sup>th</sup> September and by eight Hebridean Sheep on 29<sup>th</sup> October. All of the animals were transferred to Hilltop on 4<sup>th</sup> November and most stayed until the end of December. The flock of ewes remain – the plan is to return them to Ringwood to lamb, and then bring them back to Yew Hill to tackle the spring growth in 2015.

Sheep grazing is an important aspect of managing chalk downland and many species respond well to the resulting short, cropped turf. The bee orchids were SRPendid and numerous on the reserve this year, as were other species, including two spikes of Greater Butterfly-orchid by the top gate which have not been present in previous years.



*British White Cattle Jayne Chapman*



*Greater Butterfly-orchid  
Jayne Chapman*

## Branch Photographic Competition 2014

The Annual Photographic Competition was held on Members' Day at Littleton Village Hall on Saturday 25 October 2014.

Overall winner was John Bogle's Small Skipper

Category	Position	Competitor	Subject
UK Butterflies	First	John Bogle	Small Skipper
	Second	Nick Lawrence	Brown Hairstreak
	Third	Paul Brock	Chequered Skipper
UK Moths	First	Paul Brock	Dark Crimson Underwing
	Second	Gill Pullinger	Six-spot Burnet
	Third	Kelvin Richards	Burnet
Behaviour	First	Ken Bailey	Southern Festoon
	Second	Tony Rackman	Garden Carpet
	Third	Ashley Whitlock	Duke of Burgundy
Immature Stages	First	Andy Brown	Puss Moth caterpillar
	Second	John Bogle	Pug Moth caterpillar
	Third	Tony Rackman	Peacock larva
Overseas	First	Ken Bailey	Southern Festoon
	Second	Paul Brock	Crimson Speckled
	Third	Tony Rackman	Southern White Admiral



Small Skipper  
John Bogle



Southern Festoon  
Ken Bailey



Dark Crimson Underwing  
Paul Brock



Puss Moth larva  
Andy Brown



Garden Carpet Moth  
Tony Rackman

## Common Species Summary

Bob Annell

Below are shown the top twenty-five most recorded species of butterfly in 2014, ranked by number of records, and their comparative rankings from 2010-2013.

Meadow Brown regained top position from Small White which fell back to third with Large White dropping from third to tenth.

Green-veined White resumed its 2012 position of fourteenth.

It is also interesting to note the gradual rise in Peacock, Small Tortoiseshell and Small Skipper records since 2010.

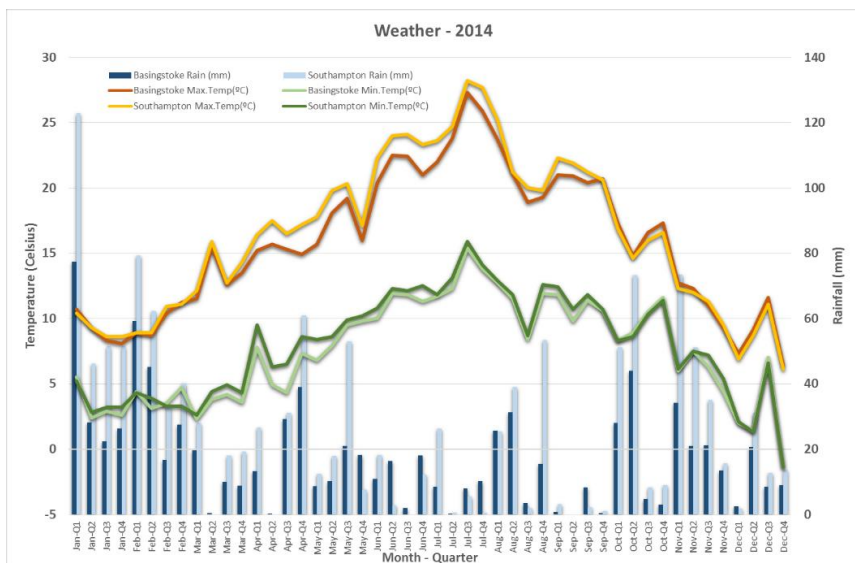
Species	Records	Individuals	Positions				
			2014	2013	2012	2011	2010
Meadow Brown	8,211	71,114	1	2	1	1	1
Brimstone	6,345	16,267	2	4	6	4	6
Small White	5,376	11,064	3	1	5	3	2
Speckled Wood	5,201	10,619	4	5	3	2	3
Peacock	5,155	13,230	5	7	12	12	9
Gatekeeper	4,980	30,836	6	6	2	5	5
Small Tortoiseshell	4,459	11,098	7	10	20	21	17
Common Blue	3,615	16,269	8	12	13	9	4
Red Admiral	3,601	5,709	9	15	4	7	13
Large White	3,590	6,748	10	3	8	6	7
Ringlet	3,047	23,975	11	9	7	11	11
Small Skipper	2,628	15,961	12	16	15	17	22
Marbled White	2,565	24,515	13	14	10	15	15
Green-veined White	2,521	5,094	14	8	14	8	10
Comma	2,364	3,628	15	11	11	14	12
Large Skipper	2,105	7,987	16	17	17	16	14
Small Heath	1,913	6,109	17	13	9	10	8
Orange-tip	1,660	3,257	18	19	16	13	20
Silver-washed Fritillary	1,207	4,804	19	18	19	19	16
Holly Blue	1,132	1,499	20	21	18	18	18
Brown Argus	867	2,414	21	23	25	22	21
Small Copper	684	1,104	22	22	22	20	19
Chalkhill Blue	653	18,870	23	20	21	23	23
Dingy Skipper	491	2,443	24	27	24	24	26
Dark Green Fritillary	463	1,945	25	26	23	27	28

This report has been compiled with the aid of the following websites:-

<http://www.metoffice.gov.uk/climate/uk/2014/>

<http://southamptonweather.co.uk/>

and data supplied by Simon Neil from his weather station at Chineham, Basingstoke



**JANUARY** was an extraordinary month. A relentless onslaught from the Atlantic with numerous deep areas of low pressure coming in on a more southerly track than normal continued the theme that started in mid-December 2013. Rainfall across our area was exceptional with Met Office data showing that it was the wettest month locally since at least 1914. Figures from Basingstoke showed over 150mm (6 inches) of rain with even wetter conditions in Southampton. Most places were likely to have received two to three times their normal rainfall in what is usually a relatively wet month. There were also several bouts of strong winds that caused major issues along sea defences as huge swells developed. Because it was so unsettled it was a mild month with very little frost.

Remarkably, **FEBRUARY** was nearly as bad as January as the Atlantic roller coaster continued for much of the month. A succession of powerful winter storms brought excessive rainfall and more wind damage. Basingstoke's rainfall was 148mm, again close to six inches whilst Southampton, although wetter, wasn't as extreme as the previous month. Met Office data suggests that it was the second wettest February since records were first collated in 1910. It was even milder during this month at 2°C above normal and the continued absence of frost and snow was notable.

Thankfully **MARCH** was welcome relief after the volatile winter. We finally had spells of dry days for the first time in three months and rainfall was a little under par. There was some unsettled weather but the middle and very end of March was dominated by high pressure with some warm days, particularly the 16<sup>th</sup> and 30<sup>th</sup> when 19°C was reached at both the selected weather stations. Another mild month at over 1°C above normal.

**APRIL** was a warm month and not especially wet until the last third when low pressure got established to the south of the country and pushed heavy thundery rain into the area. The 25<sup>th</sup> was a very wet day at both stations with over 20mm recorded. Although there were no very warm days, it was never that cool either and no air frosts were recorded at either station. Mean temperatures were approaching 2°C above normal.

**MAY** was a very mixed month. Despite dry spells it was never that settled and regular rainfall meant it was a little wetter than average. Temperatures were once again up by about 1°C on average with some warm days, especially between the 16<sup>th</sup> and 19<sup>th</sup> with 26°C reached in Southampton on the 19<sup>th</sup>.

**JUNE** was another warm month coming in at 1°C above average. Rainfall was sporadic and rather thundery in nature so there were some big variations, especially late in the month. The driest weather came just after mid-month and temperatures throughout were mostly pretty good, frequently exceeding 21°C.

**JULY**, as it had been in 2013, was an excellent summer month. Only one day at the chosen weather stations failed to reach 20°C with temperatures peaking at 30°C on the 24<sup>th</sup> in Southampton. High pressure dominated the month with occasional thundery outbreaks. Rainfall, although somewhat variable, was around half the normal and temperatures were again over 1°C above average.

**AUGUST** started quite warm but it was the arrival of ex-Hurricane Bertha on the 10<sup>th</sup> which changed the weather pattern to an unsettled and cool theme that lasted for much of the rest of the month. Temperature levels achieved on each of the first ten days of August were not reached again during the following three weeks in Basingstoke, a pattern that was very similar at Southampton. This broke the pattern of warm months that had been running all year. August ended up 1°C below average and rather wet.

**SEPTEMBER** saw the return of high pressure with many warm days and very low rainfall except where there were some localised thundery outbreaks. Basingstoke got just 9mm of rain and Southampton was very dry at 6mm. Based on national statistics, only 1959 had a drier September since 1910. Temperatures were over 1°C above normal meaning that with the previous month being cool, September was on a par with August.

**OCTOBER** was dominated by low pressure but for much of the time these features remained to the west allowing southerly winds to predominate, leading to another warm month at around 2°C above normal. Highest temperatures were at the start and very end of the month. Southampton recorded 20°C on the last day which is impressive for such a late date. October is historically a rather wet month and despite the unsettled character of the weather, it was close to average in Basingstoke. Southampton was far wetter being close to the additional moisture provided by the warm English Channel.

**NOVEMBER** was again unsettled. This is another historically wet month and the differences between inland and the much wetter coastal areas remained, especially as south or south-west winds dominated. Once again it was a mild month with temperatures roughly 1.5°C above average. Basingstoke had three air frosts but Southampton escaped frost free.

**DECEMBER** had big variations during the month. There were cold spells early and late in the month with sharp frosts, especially after Christmas. The minimum temperature of -3.6°C on the 29<sup>th</sup> was the lowest of the whole year. These quieter spells were more than offset by unsettled, mild conditions that featured during the middle of the month - so much so that it ended up being a little milder than average. Unlike the previous two months, rainfall ended up 40% down on average in some places.

## Glossary of Terms

**Butterfly transect:** A method of monitoring butterflies, involving walking a fixed route at a given site, once a week from the first week of April to the last week of September, counting the number of each species seen. For the purpose of comparison between other butterfly transects both locally and nationally, there are a fixed set of guidelines. These primarily relate to weather conditions and the time of day under which the transect is walked. For further details of transect methodology, see [www.ukbms](http://www.ukbms).

**Annual Index graphs:** Graphs accompany some of the accounts to show Annual Index trends. An Annual Index is the sum total of weekly counts for a particular butterfly species on a given transect in a particular year. The graphs show an average Annual Index for all transect monitored sites where the species is found, 1990 to 2014, and a graph featuring the Annual Index for an individual site with a trend of interest.

**Flight period graphs:** These graphs accompany some of the accounts to show the flight period of the species in 2014 at a particular transect monitored site. The vertical axis shows the weekly count.

**Butterfly Counts:** Butterfly transects do not monitor population size, but because of a consistent methodology, they allow us to monitor change from one year to the next. Other counts sent in by recorders will be a function of the area of a site covered and the amount of time spent. In a quantitative way they give an idea of important sites, but would only give an indication of population size.

**Status:** Regional priority is shown as listed in the *Butterfly Conservation South-central England Regional Action Plan* updated to take account of changes to the UK Biodiversity Action Plan in 2007.

**Vice Counties:** Vice Counties are a system devised in 1852 by the botanist H.C. Watson (1804-81) of dividing the British Isles into approximately equal areas. The boundaries that Watson selected were principally county boundaries as defined in an atlas published by the Society for the Diffusion of Useful Knowledge in 1844. These reflected the political boundaries as they existed then. Watson tried to define areas of approximately equal size and so some of the larger counties (including Hampshire) were divided into "vice counties". The system was later extended to cover Irish vice-counties. These boundaries are fixed and do not change as do administrative county boundaries.

Vice-county 10 is the Isle of Wight. Vice County 11 covers the entire present Hampshire administrative boundary roughly south of a line between Stockbridge, Winchester and Petersfield but also includes parts of present day Dorset westwards to Bournemouth. Vice County 12 covers the northern half of Hampshire together with a part of present day Wiltshire around Tidworth and a very small part of Berkshire in the extreme north-west of the county.

**Butterfly distribution maps:** The distribution maps in this report were produced using *MapMate* recording and mapping software. These show the 2-km squares (tetrads) for which records were received since 2000.

Black: 2014

Mid Blue: 2010-2013

Light Blue: 2000-2009

A blue circle does not necessarily mean that the species no longer occurs, merely that the site may not have been visited in 2014. For maps of pre-2000 records, see *Butterflies of Hampshire*.

**Vernacular and scientific names of plants:** Plant names follow Francis Rose, 2006, *The Wild Flower Key*, revised and expanded edition, Warne.

**B&F numbers** are from "A Recorder's Log Book or Label List of British Butterflies and Moths" by J.D. Bradley and D.S. Fletcher.



# BUTTERFLY REPORT 2014

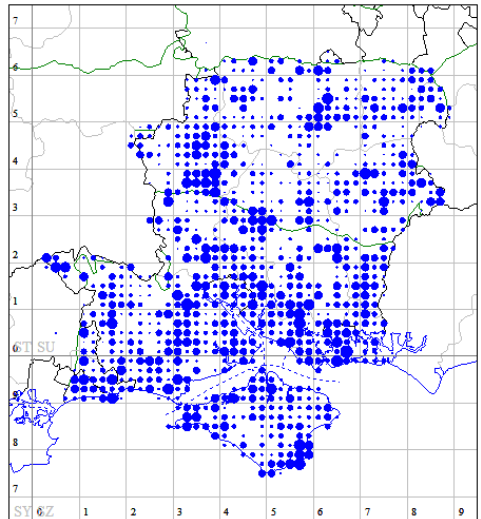
## Butterfly record coverage 2014

Recorded tetrads in 2014 – the bigger the circle, the greater the recording effort.

This methodology better illustrates the 'cold spots' that require more targeted effort in coming field seasons.

**No of 2014 records: 78,819**

**No of tetrads in 2014: 887**

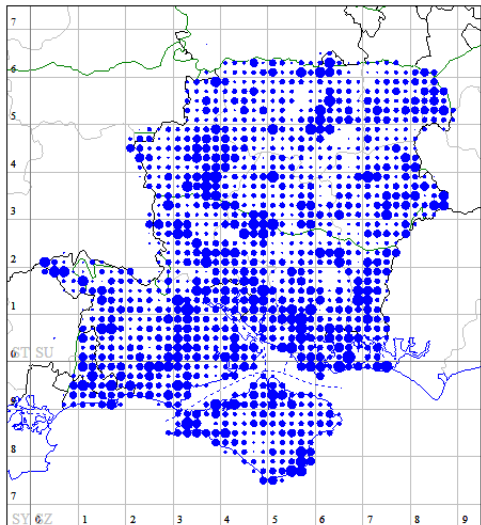


## Butterfly record coverage 2010 -2014 (Millennium Atlas +15)

Recorded tetrads in the five years 2010 to 2014 – as per the preceding map, the bigger the circle, the greater the recording effort.

**No of records: 342,951**

**No of tetrads: 1,152**



## Summary of earliest-latest butterfly sightings 2014

Bob Annell

The earliest and latest sightings for 2014 are summarised with the all-time earliest and latest dates for our area held on the Branch database. Please interpret these all-time dates with caution as our records for earlier years are far from complete. We would welcome any corrections or additions to improve the accuracy of this table.

Species	Earliest on Database	Earliest 2014	Latest 2014	Latest on Database
Small Skipper	16 May 2011	5 Jun	10 Sep	19 Sep 1991
Essex Skipper	26 May 2007	12 Jun	02 Sep	21 Sep 1996
Silver-spotted Skipper	13 Jul 1997	17 Jul	22 Sep	11 Oct 1986
Large Skipper	28 Apr 2007	14 May	31 Aug	22 Sep 2013
Dingy Skipper	12 Apr 2011	15 Apr	07 Aug	03 Sep 1993
Grizzled Skipper	26 Mar 2012	10 Apr	26 Jun	30 Nov 2012
Clouded Yellow	08 Feb 2005	29 Mar	09 Nov	30 Dec 2007
Brimstone	01 Jan 2001	02 Jan	13 Dec	29 Dec 1999
Large White	02 Feb 2007	30 Mar	31 Oct	07 Dec 2012
Small White	09 Jan 1991	10 Feb	05 Nov	08 Dec 2007
Green-veined White	03 Mar 1989	16 Mar	30 Sep	28 Oct 1999
Orange-tip	10 Mar 1990	16 Mar	29 Jun	22 Sep 2011
Green Hairstreak	29 Mar 2012	09 Apr	25 Jun	30 Jul 2007
Brown Hairstreak	24 Jul 2011	26 Jul	12 Sep	16 Oct 1986
Purple Hairstreak	31 May 2010	24 Jun	19 Sep	25 Sep 2003
White-letter Hairstreak	25 May 2011	21 Jun	30 Jul	23 Aug 2004
Small Copper	05 Mar 2009	03 Apr	31 Oct	27 Nov 2003
Small Blue	30 Mar 2012	24 Apr	09 Sep	21 Sep 1991
Silver-studded Blue	09 May 2011	06 Jun	14 Aug	30 Oct 1921
Brown Argus	08 Apr 2002	17 Apr	03 Oct	31 Oct 2005
Common Blue	08 Apr 2011	03 May	10 Oct	12 Nov 1990
Chalkhill Blue	17 Jun 1990	02 Jul	17 Sep	31 Oct 2011
Adonis Blue	26 Apr 2011	06 May	30 Sep	15 Oct 2011
Holly Blue	14 Jan 2013	16 Mar	30 Nov	06 Dec 2006
Duke of Burgundy	09 Apr 2011	09 Apr	13 Aug	02 Oct 2011
White Admiral	Late May 1893	10 Jun	25 Sep	04 Oct 2003
Purple Emperor	20 Jun 2007	21 Jun	08 Aug	23 Aug 2013
Red Admiral	01 Jan*	02 Jan	30 Dec	31 Dec*
Painted Lady	01 Jan 2013	01 Mar	10 Dec	31 Dec 1987
Small Tortoiseshell	05 Jan 1999	10 Jan	24 Nov	25 Dec 2013
Peacock	01 Jan*	02 Jan	29 Nov	31 Dec*
Comma	09 Jan 1998	26 Feb	09 Nov	22 Dec 2013
Small Pearl-bordered Fritillary	03 May 2007	17 May	06 Jul	31 Aug 1991
Pearl-bordered Fritillary	17 Apr 2003	27 Apr	20 Jun	09 Jul 1950
Dark Green Fritillary	28 May 2010	10 Jun	31 Aug	08 Sep 2012
Silver-washed Fritillary	Late May 1893	12 Jun	08 Sep	21 Sep 2015
Marsh Fritillary	22 Apr 2007	15 May	05 Jun	11 Jul 2006
Glanville Fritillary	08 Apr 2007	29 Apr	01 Jul	09 Jul 2010
Speckled Wood	11 Jan 2013	11 Jan	01 Nov	15 Dec 2011
Wall Brown	05 Apr 2000	16 Apr	05 Oct	06 Nov 2003
Marbled White	31 May 1990	09 Jun	18 Sep	25 Sep 2003
Grayling	21 May 2011	02 Jul	17 Sep	08 Oct 1986
Gatekeeper	24 Mar 1999	10 Jun	25 Sep	19 Oct 1995
Meadow Brown	30 Apr 2011	21 May	10 Oct	07 Nov 2010
Small Heath	08 Apr 1997	29 Apr	03 Oct	29 Oct 2011
Ringlet	25 May 2011	09 Jun	09 Sep	11 Oct 2011

\* Recorded on this date in several years

This table was compiled by Dr Andy Barker and is based on 100 Hampshire and Isle of Wight transects with data for both 2013 and 2014.

Species	>20% Decrease 2014	WITHIN ±20% NO CHANGE	>20% Increase 2014	0 /14 1+ /13 LOSS	1+ /14 0 /13 GAIN
Small Essex Skipper	14	19	56	-	6
Large Skipper	20	13	53	7	3
Silver-spotted Skipper	3	-	-	1	-
Dingy Skipper	7	5	15	3	5
Grizzled Skipper	3	5	12	1	3
Clouded Yellow	43	9	11	23	4
Brimstone	16	26	27	-	2
Large White	73	1	3	2	-
Small White	72	3	2	-	-
Green-veined White	43	15	17	2	3
Orange-tip	13	27	41	4	6
Green Hairstreak	11	8	20	8	12
Brown Hairstreak	1	-	1	-	-
White-letter Hairstreak	1	-	1	1	1
Purple Hairstreak	10	6	1	9	1
Small Copper	26	16	20	9	13
Small Blue	7	4	10	2	4
Silver-studded Blue	7	1	1	3	-
Brown Argus	16	6	16	4	2
Common Blue	17	12	45	-	6
Chalkhill Blue	22	4	2	6	-
Adonis Blue	6	2	6	1	3
Holly Blue	20	26	14	10	7
Duke of Burgundy	3	-	2	1	-
Purple Emperor	4	-	2	4	2
White Admiral	9	9	10	7	4
Red Admiral	9	12	55	1	5
Painted Lady	22	9	16	16	14
Small Tortoiseshell	7	16	45	2	6
Peacock	18	13	38	-	1
Comma	27	24	14	-	2
Pearl-bordered Fritillary	3	2	4	2	1
Small Pearl-bordered Frit.	1	1	1	-	-
Dark Green Fritillary	18	6	7	9	2
Silver-washed Fritillary	20	21	9	7	-
Marsh Fritillary	-	-	1	-	1
Glanville Fritillary	-	-	1	-	-
Speckled Wood	25	27	24	-	-
Wall Brown	6	2	-	-	-
Marbled White	22	30	38	6	3
Grayling	7	2	4	4	1
Gatekeeper	13	25	51	-	-
Meadow Brown	24	42	26	-	-
Small Heath	30	10	9	7	5
Ringlet	21	22	41	2	2

**Small Skipper *Thymelicus sylvestris* (B&F 1526)****Bob Annell****Status:** BC Low Priority**Earliest:****05 June 2014****No of 2014 records:** 2,628

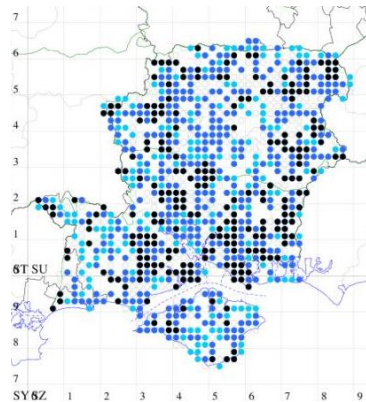
The Holt (JN)

**No of 2014 individuals:** 15,961**Latest:****10 September 2014****No of tetrads in 2014:** 239

Hillier Gardens (JH)

**No of post 2005 tetrads:** 688

This species first emerged about the same time as in 2013 although double figure counts did not materialise until early July in most places, peaking dramatically towards the middle/end of July with 227 recorded at Old Winchester Hill on 29 July (RSy). The Annual Indices on both Martin Down and Whippingham Fields transects were over double those of 2013. Overall it was a very good year for 'golden' Skippers generally with the Annual Index for recognised Small Skipper transects increased by 28% on 2013 figures. 56 transect sites had a greater than 20% increase in Small/Essex Skippers in 2014.

*Small Skipper Paul Brock***Essex Skipper *Thymelicus lineola* (B&F 1527)****Bob Annell****Status:** BC Low Priority**Earliest:****12 June 2014****No of 2014 records:** 316

Alice Holt (TK)

**No of 2014 individuals:** 1,728**Latest:****02 September 2014****No of tetrads in 2014:** 92

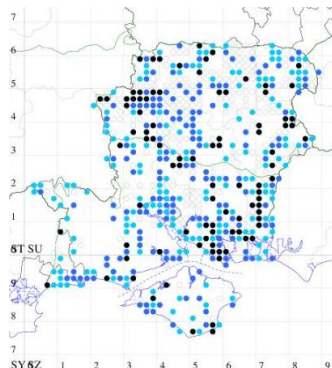
Pilot Hill (MG)

**No of post 2005 tetrads:** 334

The first record for the species was a week later than 2013, but the highest actual count was not recorded until six weeks later on 25 July at Ashmansworth West (MG).

Even excluding an estimated record at Churchill Way, Andover on 9 July (JSo), numbers were some 30% higher than 2013.

Pilot Hill remains the stronghold of the species in Hampshire with a total of 476 individuals between 2 July and 7 August, 399 being on the transect route (MG). In addition, 60 were recorded on Old Down Basingstoke transect from 10-29 July (JL) and the Leckford transect had a maximum count of 36 on 12 July (GCE).



**Status:** BC High Priority

**Earliest:**

**17 July 2014**

**No of 2014 records:** 57

Broughton Down (GCE)

**No of 2014 individuals:** 142

**Latest:**

**22 September 2014**

**No of tetrads in 2014:** 8

Old Winchester Hill (RJD)

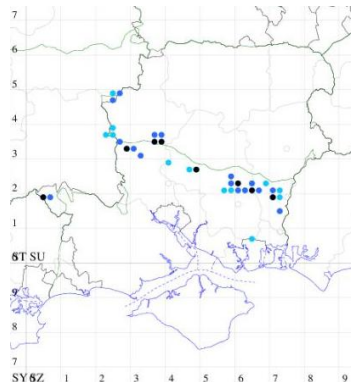
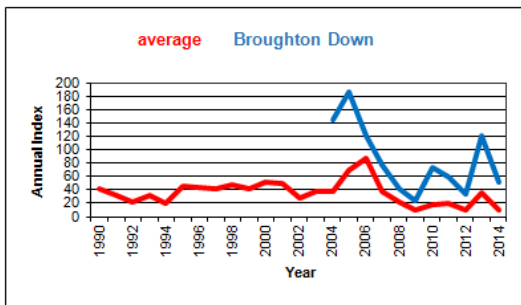
**No of post 2005 tetrads:** 31

Although the first record for the year was one at Broughton Down on 17 July (GCE), it was not until a week later that the season really got going, with four at Oxenbourne Down on 21 July (PHa), and further records from Broughton Down. The majority of central and west Hampshire sites had the butterfly on the wing by the end of July, but the Meon Valley sites did not produce anything until mid August. The first of these were one at Old Winchester Hill National Nature Reserve (NNR) on 13 August (AMc), and a week later, one at Beacon Hill NNR on 20 August (ACM). The total number of sites reporting the species was eight.



Although starting a week earlier than 2013 and continuing 12 days longer, 2014 was a disappointing season. All transect monitored sites showed a dramatic halving of their Annual Indices. The situation at the Meon Valley sites gives particular cause for concern, with Old Winchester Hill NNR showing a drop in Annual Index from 39 to 3, whilst Beacon Hill NNR went from 30 to zero. The latter has shown a particularly worrying trend over recent years, from a position in 2006 of being the strongest site in the county (transect Annual Index of 233), to a situation in 2014 with just two individuals seen the whole season. It is difficult to speculate on the likely cause of this decline, but falling rabbit numbers, coupled with warm wet conditions giving strong vegetation growth, will not have favoured short turf specialists like the Silver-spotted Skipper.

Peak season varied from site to site, with best counts of 22 at Broughton Down on 29 July (GCE), 21 at Oxenbourne Down also on 29 July (AW), and 13 at Old Winchester Hill on 7 September (AW). No other sites recorded double-figure counts, indeed five at St. Catherine's Hill on 13 August (CP) was the next best tally. The season was essentially over by 12 September, apart from a final record of one at Old Winchester Hill on 22 September (RJD).



**Large Skipper *Ochlodes sylvanus* (B&F 1531)****Rupert Broadway****Status:** BC Low Priority**Earliest:****14 May 2014****No of 2014 records:** 2,105

Westbury Park (AW)

**No of 2014 individuals:** 7,987**Latest:****31 August 2014****No of tetrads in 2014:** 350

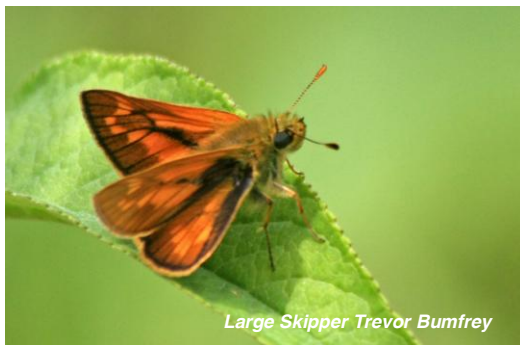
Coombe Bottom, Ventnor (DMe)

**No of post 2005 tetrads:** 799

Transect figures were predominantly up for the second year running, with record counts of 883 at Whippingham Fields (500 up on previous year), 384 at Pignal Inclosure and 104 at Ampfield Wood.

The highest individual count was of 319 at Brockishill/Furzy Lawn on 2 July, the same location as 2013's highest. This was followed by 116 at Church Place and 101 at Ironshill on 16 and 14 July respectively (JRu).

By August all records were in single figures, with a final transect record on 31st August at the Coombe Bottom Ventnor completing a very good year for the Large Skipper.

*Large Skipper Trevor Bumfrey***Dingy Skipper *Erynnis tages* (B&F 1532)****Jenny Mallett****Status:** BC High Priority**Earliest:****15 April 2014****No of 2014 records:** 491

West Meon (AW), Noar Hill (A&amp;HPr)

**No of 2014 individuals:** 2,443**Latest:****07 August 2014****No of tetrads in 2014:** 60

Mottistone Down IOW (RLa)

**No of post 2005 tetrads:** 182

Spring arrived early in 2014 with the first sightings of Dingy Skipper three weeks earlier than 2013. As above, the first were seen 15 April and MTu reported seven on Butser on 18 April and nine on 21 April. Transect results again varied, with Pilot Hill recovering from 117 in 2013 to 152, Yew Hill up from 21 to 30, Noar Hill up from 71 to 78, but Botley Wood down to only three. By the end of April Dingy Skippers were being seen from Pilot Hill to Bonchurch and from Broughton Down to Old Winchester Hill.

*Dingy Skipper Tim Bernhard*

On 3 May MTu saw a total of 26 on Butser, AJB 11 on transect on Yew Hill and, on Isle of Wight, TN&LF ten at Brightstone and AB 14 at Bonchurch. Notable records during May included 40 on Old Winchester Hill and 45 on Butser on 5 May (AW). On Noar Hill TJ had 22 on transect

on 12 May and PE 34 on 14 May; on the same day MPi saw 34 on Martin Down. AW saw 30 at Stephen Castle Down on 15 May; MG 62 at Pilot Hill on 16 May; MTu 50 at Butser on 17 May; and TJ 20 at Noar Hill on 18 May. GJD counted 25 at Headley Gravel Pit on 21 May and RLa 20 at Mottistone on 22 May. Regular sightings continued through June and probably the last of the first brood were six at Mottisfont (CH) and one at Mottistone loW (RLa) on 2 July. Again there seems to have been a second brood with one on 29 July at Martin Down (JPI), two seen at Brook, loW on 30 July (BG, TN&LF), and finally RLa recording one at Mottistone 7 August; in summary Mervyn Grist, the 'species champion' concludes that it was an average year and that it may be under-recorded being rather 'moth-like'.

**Grizzled Skipper *Pyrgus malvae* (B&F 1534)** **Jenny Mallett**

<b>Status:</b> BC High Priority	<b>Earliest:</b>	<b>10 April 2014</b>
<b>No of 2014 records:</b> 344		Beacon Hill, Warnford, (BP)
<b>No of 2014 individuals:</b> 1,108	<b>Latest:</b>	<b>26 June 2014</b>
<b>No of tetrads in 2014:</b> 54		Tennyson Down (JHC)
<b>No of post 2005 tetrads:</b> 159		

Transect results for Grizzled Skipper were only slightly better than 2013. On Magdalen Hill Down, where CRB saw the first on 13 April, the index was up from 18 to 28 but still well below 82 in 2011. At Yew Hill the small population survives with TBe counting six on transect on 7 May and an index of 9. Good numbers were seen on Butser with MTu recording ten on 15 April, 25 on 21 April and 27 on 17 May, and AW 30 on 18 May. There were also good counts from Martin Down with LS seeing seven on transect on 6 May and MPi 40 on 14 May. At Leckford SLE saw ten on transect on 6 June. On loW TN&LF reported 15 at Brook Down on 3 May and SRe 25 at Mount Joy Cemetery on 18 May. Small numbers were seen away from the chalk. In Botley Wood the index was only seven with RKL recording singles on 25 May and 19 June and PGa seeing six on 17 May. On Bramshott Common ACG recorded three both on 18 and 21 May.

On 26 June JHC saw a late one on Tennyson Down. So, an average year for this little butterfly.



*Grizzled Skipper: Alan Thornbury*

**Status:** Migrant**Earliest:** 14 April 2014**No of 2014 records:** 6

Magdalen Hill Down (M&amp;MP, MJG, JM)

**No of 2014 individuals:** 6**Latest:** 02 July 2014**No of tetrads in 2014:** 3

Upper Ventnor (AB &amp; IOu)

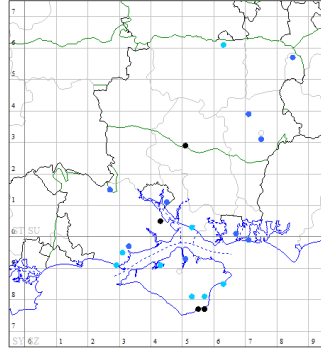
**No of post 2005 tetrads:** 17

This was a notable year for the Swallowtail due to the emergence of progeny from the previous year along the south coast from Dorset to Suffolk, most notably in Sussex.

The first sighting of the year however was in Hampshire at Magdalen Hill Down on 4 April (M&MP, MJG, JM). This individual was found patrolling up and down the main path, landing on fence posts, on the ground and in the hedgerow. This was a fresh individual but being such an early sighting it could of course have been a release. It had however disappeared when searched for the next day. One was recorded in Seabrook, Kent on 24 April which was the only other UK April record.

June records were probably new arrivals with singles at Forest Meadow, Hythe 15 June (JBI), Wheelers Bay IoW 16 June (AWr) and Upper Ventnor 2 July (AB, IOu).

A very good year for the Swallowtail in Hampshire and Wight, possibly becoming a more regular addition to the Hampshire butterfly list.



*Swallowtail: Mike Gibbons*





**Status:** BC Low Priority

**Earliest:** 29 March 2014

**No of 2014 records:** 370

St Lawrence IOW (MHa)

**No of 2014 individuals:** 665

**Latest:** 09 November 2014

**No of tetrads in 2014:** 136

West of Fort Monckton, Gosport (ACM)

**No of post 2005 tetrads:** 410

There is very little doubt that overwintering larvae survived to produce early adult butterflies on Wight. The first record came from St Lawrence IOW on 29 March, followed by one at Wheelers Bay 9 April (AB) and another at Mottistone Bay on 14 April (AB).

From 2 June when one was recorded at Wheelers Bay (AB), arrivals proper began, some settling for up to a week along the coast. Noah Lake, Gosport held up to three from 17 June to 29 June (MGr).



Clouded Yellow: Colin Beyer

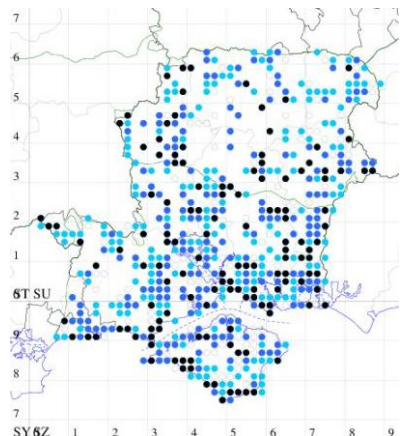
In July another wave of incoming migrants ensued, numbers likely being bolstered by local earlier breeders. The first was at St Catherine's Hill on transect, 9 July (CP). Low numbers continued to be seen throughout the county and Wight continuously until 9 November at Gosport when the final individual was recorded (ACM).

Notable numbers were seen mid-summer into early autumn in favoured coastal locations: 22 Wheelers Bay, 15 August (AB); ten Whippingham IOW 15 August (JR); 11 Shepherds Chine, 4 September (AB); 30 Southbourne Undercliff, 21 September (MJG) and 20 Chilton Chine loW, 14 October (IOu).

Inland Hampshire records were of lower numbers, mainly singles. These records were well distributed around the county, especially chalk downland sites, such as Stockbridge Down and Magdalen Hill Down.

Very few *helice* females were recorded, with singles at Culver Down loW, 3 August, (MHa) and Wheelers Bay, 4 November, (AB) being the sole records.

This was a very good year for the Isle of Wight, throughout the island, so along with Southbourne Undercliff it is hoped that larval survival rates will be high for early butterflies in 2015.



**Brimstone *Gonepteryx rhamni* (B&F 1546)****Allan Orme****Status:** BC Low Priority**Earliest:****02 January 2014****No of 2014 records:** 6,345

Southampton Common (DHo)

**No of 2014 individuals:** 16,267**Latest:****13 December 2014****No of tetrads in 2014:** 591

Woolmer Pond (SMA)

**No of post 2005 tetrads:** 1,050

After a very successful 2013 – the most successful for at least 30 years - Brimstones over 20 monitored sites showed a further 11% average increase in 2014. For the 18 sites in the sample with results for both years, the average increase was 9%.

The very wet first two months of the year might explain the relatively few sightings in January and February but by March dozens of overwintering adults were being reported daily. On 17 April a count of 90 individuals was recorded at Oxenbourne Down (AW). High numbers of new adults were reported throughout June, July and August across the county, peaking at the end of July and the beginning of August.

**Large White *Pieris brassicae* (B&F 1549)****Tim Bernhard****Status:** BC Low Priority**Earliest:****30 March 2014****No of 2014 records:** 3,590

Titchfield Common (DWa)

**No of 2014 individuals:** 6,748**Latest:****31 October 2014****No of tetrads in 2014:** 555

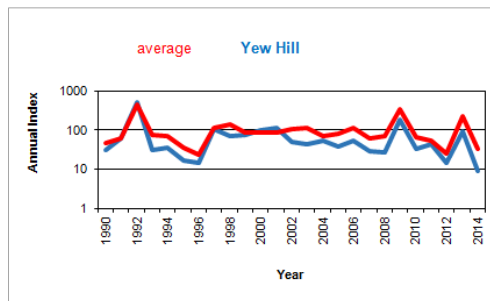
Whealers Bay, IoW (AB)

**No of post 2005 tetrads:** 1,108

2014 was a poor year for this species, with 73 of the 77 transect annual indices showing a decrease of more than 20%. Only three of these showed an increase of 20%. After the first sightings in March, low numbers continued to be recorded throughout the spring. The first relatively large count was from Danebury Hill on 24 April when ten individuals were observed (JSo).

Low numbers continued throughout the summer with high counts of 13 at Selborne on 12 July (CPi) and 14 at Stockbridge Down on 18 July (JSo); 22 were counted on the Big Butterfly Count at Hill Head but by far the largest count was of 100 at Southbourne Undercliff on 21 September (MJG).

The final record of the year was of three larvae at Timsbury on 18 November (TRA).



**Small White *Pieris rapae* (B&F 1550)****Jacky Adams****Status:** BC Low Priority**Earliest:** 10 February 2014**No of 2014 records:** 5,376

Hayling Island (RoSy)

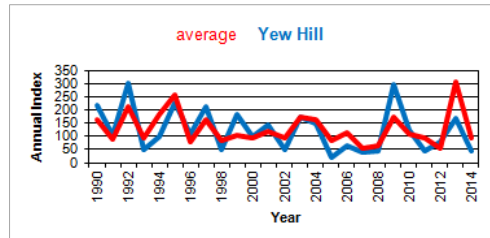
**No of 2014 individuals:** 11,064**Latest:** 05 November 2014**No of tetrads in 2014:** 606

Keyhaven (JRM)

**No of post 2005 tetrads:** 1,081

2014 was a relatively poor year for the Small White. Numbers were below ten year averages for comparable transects, with overall sightings down by over 70% compared to 2013 - in part because 2013 was an exceptional year. Small White were recorded consistently from late February, with a small spring 'peak' in the first half of May.

Numbers rose to a larger peak in late July but then fell and levelled off during August before gradually tailing away during September. The Big Butterfly Count provided the highest individual record, with 73 seen at Hill Head on 30 July (RSt).

**Green-veined White *Pieris napi* (B&F 1551)****Jacky Adams****Status:** BC Low Priority**Earliest:** 16 March 2014**No of 2014 records:** 2,521

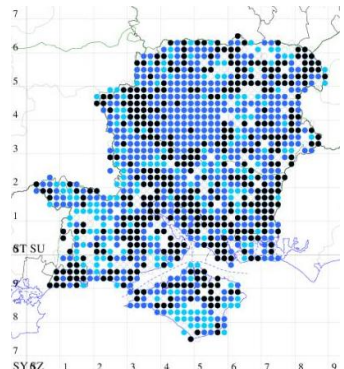
Newtown Common (AGF)

**No of 2014 individuals:** 5,094**Latest:** 30 September 2014**No of tetrads in 2014:** 414

Newtown Common (AGF)

**No of post 2005 tetrads:** 973

While overall sightings of this ubiquitous butterfly were notably lower than in 2013, they were above average in terms of longer term monitoring across comparable transects. The spring brood emerged earlier than in 2013, peaking in the first half of May. The summer brood peaked in the second half of July, with numbers then falling and levelling off during August. Some sites saw a mini-revival in early September. The Winnall Moors transect had an exceptional year for this species, with a peak of 133 recorded in the first week of September (RWh) and overall double the numbers seen in 2013.

*Green-veined White: Colin Beyer*

**Orange-tip *Anthocharis cardamines* (B&F 1553)****Bob Whitmarsh****Status:** BC Low Priority**Earliest:** 16 March 2014**No of 2014 records:** 1,660

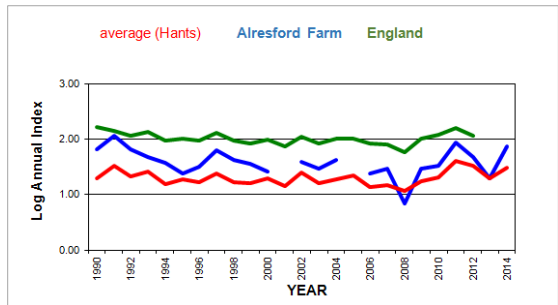
Fareham (RACC)

**No of 2014 individuals:** 3,257**Latest:** 29 June 2014

Four Marks (BTO)

**No of tetrads in 2014:** 319**No of post 2005 tetrads:** 880

Orange-tips had a good year. Forty-one transects showed a greater than 20% increase in numbers as opposed to only 13 transects where numbers fell. This maintains a rising trend in the index since 2006. The main season lasted from early April until mid-May, with 654 individuals recorded during the first week of May. The largest number recorded at any one time was 50 in Yarmouth, IoW on 16 April (SDA).

*Orange-tip Sue Davies***Green Hairstreak *Callophrys rubi* (B&F 1555)****Jane Vaughan****Status:** BC Low Priority**Earliest:** 09 April 2014**No of 2014 records:** 347

Magdalen Hill Down (AJB)

**No of 2014 individuals:** 1,283**Latest:** 25 June 2014

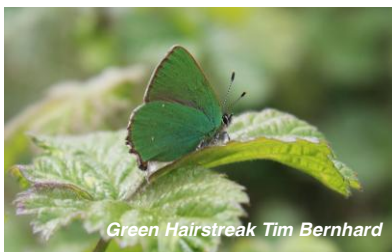
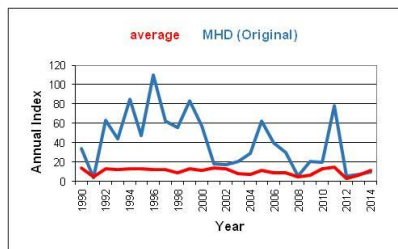
Coulters Dean (DM)

**No of tetrads in 2014:** 72**No of post 2005 tetrads:** 246

The Green Hairstreak had a better year. There was a series of steady records up to 25 June which was the final substantiated record of the year (DM).

This year 20 out of 39 transect monitored sites where this species occurs showed an increase in the Annual Index of 20% or more between 2013 and 2014, 11 showed an equivalent decrease and eight showed no change.

Double figure numbers of individuals were recorded at 10 transect and 11 other sites. The highest number recorded was 70 at Butser Hill on 17 May (MTu).

*Green Hairstreak Tim Bernhard*

**Brown Hairstreak *Thecla betulae* (B&F 1556)****Andy Barker****Status:** BC High Priority**Earliest:****26 July 2014****No of 2014 records:** 30

Noar Hill (AMJ)

**No of 2014 individuals:** 54**Latest:****12 September 2014****No of tetrads in 2014:** 8

Meonstoke (GRCJ)

**No of post 2005 tetrads:** 23

Although the 2014 flight season began 11 days earlier than 2013, it finished 16 days sooner, giving an overall duration of 47 days, which was five days shorter. The first sighting of the year was one at Noar Hill on 26 July (AMJ), with the only other July record being one at Shipton Bellinger on 30 July (AT). Interestingly, it was Tony James (AMJ) who also saw the latest individual in 2013.

It seems to have been an average or slightly below average year. Shipton Bellinger (NW Hampshire) produced fewer sightings than usual, with maximum counts of just four individuals on 1 August (MJG) and then two separate counts of four on 3 August and 9 August (A&LB). The eight seen by A&LB were all low down, taking nectar from flowers of bramble and creeping thistle, with one individual imbibing the juices of an over-ripe blackberry. In the Selborne area (East Hampshire), Noar Hill had a reasonable year, but certainly not a classic. It produced a maximum count of six on 31 August (AMJ), but the only other count above three was of five on 20 August (AW). The season was all but finished by the end of August, with just six confirmed records into early September. In East Hampshire, the last seen was one at Noar Hill on 9 September (AW), with the final confirmed sightings of the season being at the Perham Ranges on 10 September (JRM) and the last at Meonstoke on 12 September (GRCJ).

In the 2013 Annual Report, isolated records from Kimpton and Over Wallop, were noted, defining what might be regarded as the periphery of the Shipton Bellinger stronghold. In 2014, however, it is pleasing to report a sighting (also photographed) of a single Brown Hairstreak at Broughton Down on 4 September (SS). This is more than 8 miles (13km) SSE from Shipton Bellinger, suggesting that the species may be extending its distribution, or perhaps may have been overlooked. We would encourage all recorders to explore tracks and lanes in this area, and around Selborne, so that we can build up a more complete picture of the status and distribution of this elusive species.

**Purple Hairstreak *Favonius quercus* (B&F 1557)****Andy Bolton****Status:** BC Low Priority**Earliest:****24 June 2014****No of 2014 records:** 71

Hazleton Common (JN)

**No of 2014 individuals:** 110**Latest:****19 September 2014****No of tetrads in 2014:** 28

Whippingham Fields (JR)

**No of post 2005 tetrads:** 274

Despite decent, sunny weather during June and July leading into the flight period, this butterfly seemed to have one of its poorest seasons, at least when one judges the limited transect data. Its habits mean it does not lend itself well to transect monitoring and only four transects recorded it during 2014. These are generally those with a lengthy route through open, sunny, oak woodland; and also now happen to have a long series of data. Whippingham Fields (IoW) had the highest annual index of 13, followed by Bartley Heath on 9 and Pamber Forest with 4. These figures are well down on what these sites were recording during most years of the last decade. Notable counts were of three eggs at Straits Inclosure (PHa), five eggs at Creech Wood (MTu) and the highest adult count a mere five in Harewood Forest (JSo).

**White-letter Hairstreak *Satyrion w-album* (B&F 1558)****Andrew Brookes****Status:** BC High Priority**Earliest:** 21 June 2014**No of 2014 records:** 12

DSDA Gosport (RJD)

**No of 2014 individuals:** 52**Latest:** 30 July 2014**No of tetrads in 2014:** 9

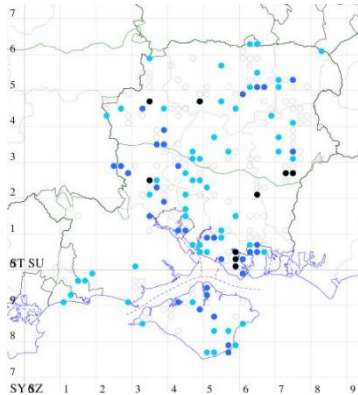
Ashford Hangers (ACS)

**No of post 2005 tetrads:** 82

The number of records submitted in 2014 plummeted to a new nadir of 12, from just nine locations in Hampshire; none were received from the Isle of Wight. The total number of insects recorded was 42, ostensibly making it the second-rarest butterfly breeding in Hampshire, after the Marsh Fritillary.

Gosport was again the county stronghold, its Dutch elms *Ulmus x hollandica* supporting comparatively high numbers, with 13 seen at the DSDA munitions depot on 21 June (RJD) and nine at HMS Sultan on 15 July (ACM & DJAT). Dutch elm is perhaps the best of the native, or naturalized, elms for the butterfly. While very susceptible to disease, the hybrid produces numerous root suckers, like English Elm, but each bearing copious flowers and seeds, unlike English Elm, for the emergent larvae to feed on in March.

Other reports came from far and wide, including two new sites around Andover in the north-west, and Ashford Hangers in the east, where the butterfly was last seen on 30 July. Transect data was typically minimal; though not seen at the Crabtree Plantation near Basingstoke, a traditional haunt, the butterfly was logged at Old Winchester Hill for the first time since 1983.

**Small Copper *Lycaena phlaeas* (B&F 1561)****Rupert Broadway****Status:** BC Low Priority**Earliest:** 03 April 2014**No of 2014 records:** 684

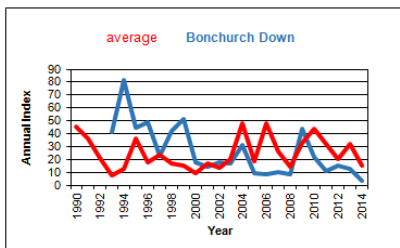
Southwood Meadows (BAu)

**No of 2014 individuals:** 1,104**Latest:** 31 October 2014**No of tetrads in 2014:** 224

Petersfield Heath (ACS)

**No of post 2005 tetrads:** 665

Transect counts were generally down on 2013. The annual index of 208 at Whippingham Fields was the lowest since 2003 (but would have been a record high at any other site!). Conversely the Ampfield Wood total of 12 was the best since 1982.



Whippingham apart, the highest individual records were both recorded during the Big Butterfly Count, 14 on 20 July at Carisbrooke Castle (CEv) and eight at Christchurch on 16 July (CLA).

Numbers often build in autumn: not so in 2014, with a few October sightings bringing a modest season for the Small Copper to a close.

**Status:** BC High Priority

**Earliest:** 24 April 2014

**No of 2014 records:** 212

Afton Chalkpit (IP)

**No of 2014 individuals:** 733

**Latest:** 09 September 2014

**No of tetrads in 2014:** 36

Leckford Estate (AJB)

**No of post 2005 tetrads:** 104

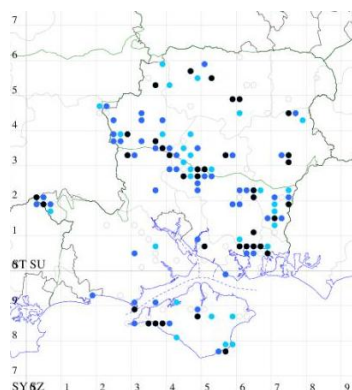
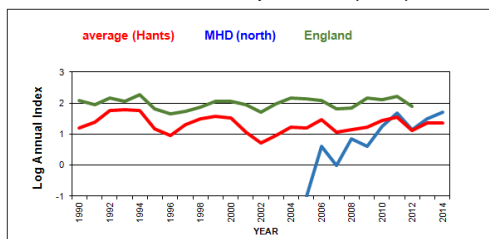
On the whole, a reasonable year, but the fortunes of this species seemed to vary greatly from site to site. Of the 21 transect monitored sites, ten showed increases in excess of 20%, four showed little change, and seven declined by more than 20%. It is especially encouraging to note that two of the top three sites (i.e. Magdalen Hill Down (north) and Sparsholt College), represent colonies established on recently re-seeded chalk grassland. In each case Kidney Vetch (*Anthyllis vulneraria*), the larval foodplant of Small Blue, was included in the seed mix. Successes such as these give real hope that habitat re-creation can significantly contribute to the conservation of certain species.



The first sighting of 2014 was one at Afton Chalk Pit on 24 April (IP), almost three weeks earlier than 2013, which had been a particularly late season. Numbers built up quickly, with many sites producing double figure counts between 16 May and 12 June, then tailing off towards late June. The best first brood counts were 50 at The Mountain on 2 June (AW), and 47 at Old Down, Basingstoke on 12 June (JL), whilst on the Isle of Wight the best count was 30 at Afton Down on 16 May (IP).

In northern Britain, the Small Blue is single brooded (univoltine), but in southern counties, it is usually bivoltine, with a first (main) brood from mid May to late June, then a partial (usually smaller) second brood, from late July to late August. The division is clear at site level, but narrows when county level data is combined. In 2014, there was just a small break in records from 29 June to 10 July. From 16 July the second brood had truly started, but was just 10% the size of the first brood (aggregate total of 65 individuals from all second brood records compared to 640 individuals from all first brood sightings). With the exception of 11 seen at Magdalen Hill Down (north) on 30 July (SW), all other second brood counts were of fewer than four individuals, indeed 18 of the 29 records received were singletons.

The season was almost over by the end of the August, but there were two September sightings. The penultimate record of the year was one at Martin Down on 3 September (JP), and the last was one at Leckford on 9 September (AJB).



**Status:** BC High Priority**No of 2014 records:** 285**No of 2014 individuals:** 3,158**No of tetrads in 2014:** 42**No of post 2005 tetrads:** 138**Earliest:** 06 June 2014

Bramshott Common (ACG)

**Latest:** 14 August 2014

Hale Purlieu (VD)

A general decline in counts of this species in 2014 was not unexpected, as numbers vary from year to year and the wet winter may have had an adverse effect. Seven out of nine transects showed a decrease of 20% or more compared with 2013. Whilst overall number of records was about the same as in 2013, large populations were few and far between, hence a fall in number of individual butterfly numbers.

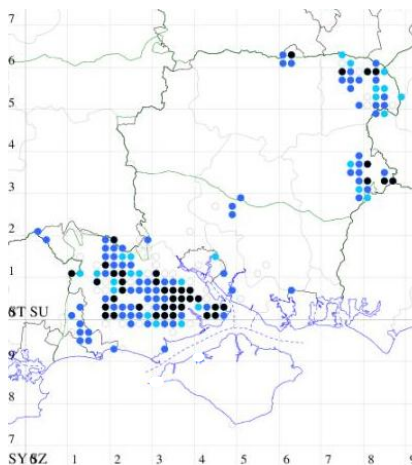


The Bramshott Common transect Annual Index of 711 was down 58% from the 1,684 recorded in 2013. Hatching commenced 6 June with a peak of 275 on 13 June (ACG); just a few stragglers remained on 2 July with ACG commenting 'This is an unusual trend as numbers in all previous years recorded have continued to rise for the first few weeks after their emergence. I can only speculate that they were

battered by a very heavy thunderstorm that occurred on the evening of Friday 13 June. This could well have fallen as hail on Bramshott causing fatalities to the recently emerged population. With this butterfly species, the males emerge first, so the damage to the population probably affected mostly males. This is a hopeful situation as the later emerging females may well have missed the storm and laid their eggs as usual'. Roydon, The Commons, New Forest transect also recorded this species out early, on 8 June.

The New Forest populations were rather staggered in appearance and accounted for some of the highest numbers, with 500 at Whitebridge Hill on 19 June (PDB), 215 at Ocknell Plain on 21 June (JRu), 185 at Beaulieu Heath on 2 July (JVe), 100 at Brownloaf on 18 July (PDB) and 50 at Cranes Moor on 22 July (PDB). There were low counts at various New Forest sites until 14 August.

Observers trying some different, less well known New Forest heathlands might produce interesting results, particularly for those prepared to walk some distance from car parks. Population explosions can be expected in some sites, it is a case of being in the right place at the right time. ACG is monitoring various populations in East Hampshire and informing management where conditions are not ideal for this species.





**Status:** BC Low Priority**Earliest:****17 April 2014****No of 2014 records:** 867

Bonchurch Down loW (PHun)

**No of 2014 individuals:** 2,414**Latest:****03 October 2014****No of tetrads in 2014:** 88

Ham Lane, Axmansford (ABO)

**No of post 2005 tetrads:** 332

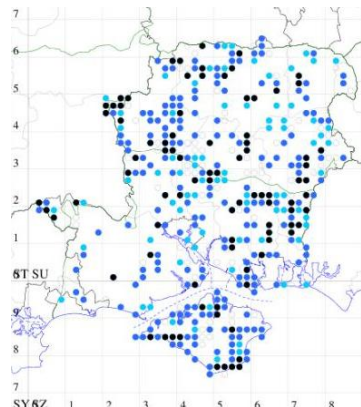
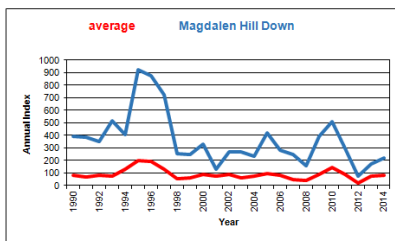
Brown Argus: Ashley Whitlock

This species had a reasonably good year in 2014, following a very good 2013. There were 50 more records than 2013, although the total number of individuals recorded was 12% lower. However, the transect records showed a 7% increase. The earliest record was nearly a month earlier than in 2013, although there was only one record in April, with the main emergence being recorded

from the end of the first week in May. The latest record was two days earlier than in 2013.

Despite a 26% decrease from the 2013 figure, Coombe Bottom, Ventnor, loW still topped the transect records with a total of 244, with Magdalen Hill Down showing a 28% increase to record 224, and only two other sites (Whippingham Fields, loW and Broughton Down) recording over one hundred. Whippingham Fields recorded 191 individuals, nearly doubling the previous year's figure; whilst sizeable decreases were seen at St Catherine's Hill and Bonchurch Down, loW.

The highest individual count was 39, at Beacon Hill (Warnford) on 20 August (ACM), with both Magdalen Hill Down (A&LB) and Bonchurch Down (AB) recording counts of over 25 individuals on two occasions. After a first brood peak in May, numbers decreased in June and were low during the first three weeks of July, but over 40% of the year's sightings were made during August, and the strong second brood continued to show well into September.



**Common Blue *Polyommatus icarus* (B&F 1574)****Tim Bernhard****Status:** BC Low Priority**Earliest:** 03 May 2014**No of 2014 records:** 3,615

Twyford Waterworks (J&amp;RS)

**No of 2014 individuals:** 16,269**Latest:** 10 October 2014

Whippingham (JR)

**No of tetrads in 2014:** 427**No of post 2005 tetrads:** 826

This species had another good year, although perhaps not quite as good as 2013. 45 of the 74 transect annual indices showed an increase of more than 20%. The season started with low numbers recorded throughout early May, and good counts of ten on Oxenbourne Down on 14 May (AW) and 14 on the Mottistone Down transect the same day (RLa). A higher count of 23 individuals was recorded on 15 May at Stephens Castle Down (AW) with good numbers also seen on the downlands of Beacon Hill, Butser Hill and Brading Down. The highest numbers recorded of the first brood were 50 at Noar Hill on 18 May (TJ) and 43 at Danebury Hillfort on 25 May (JSo). This lovely butterfly continued to do well throughout June with 27 recorded at Martin Down on 6 June (AW) and 67 at Tidgrove Warren on the same day (ABo) and counts of more than 30 at Bonchurch Down and Butser Hill (AW).

The second brood started off rather slowly. Numbers began to increase towards the end of July particularly at sites such as Magdalen Hill Down. 50 were recorded at Wheelers Bay on 28 July (AB) and 57 on the Magdalen Hill Down transect on 29 July (PJ). Numbers continued to be good throughout August trailing off to records of ones and twos in September. The final record of the year was of six individuals on the Whippingham Fields transect on 10 October (JR).

**Chalkhill Blue *Polyommatus coridon* (B&F 1575)****Jon Stokes****Status:** BC Medium Priority**Earliest:** 02 July 2014**No of 2014 records:** 653

Broughton Down (GCE)

**No of 2014 individuals:** 18,870**Latest:** 17 September 2014

St Catherine's Hill (CP)

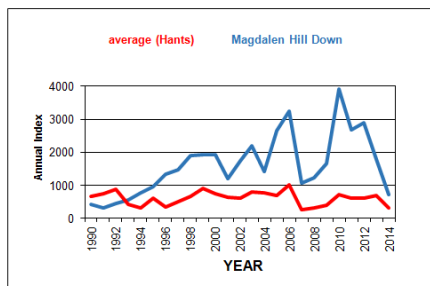
**No of tetrads in 2014:** 35**No of post 2005 tetrads:** 156

The main emergence of Chalkhill Blues started on 2 July (two days earlier than in 2013). However the season was considerably shorter than 2013, with the last butterflies reported on 17 September compared with 12 October in 2013.

Overall the Annual Index numbers were significantly down, with the average number recorded being 313, compared to the 689 in 2013. Indeed 2014 appears to have been the worst year for Chalkhill Blues since 2007. The only site which bucked the downward trend was Martin Down. Even the 10,000 reported from Arreton Down on 27 July (SRP), showed a steep decline on the 50,000 reported in 2013.



Chalkhill Blue: Sue Stileman



**Status:** BC High Priority**Earliest:** 06 May 2014**No of 2014 records:** 280

Bonchurch Down (AB &amp; PHun)

**No of 2014 individuals:** 1,140**Latest:** 30 September 2014**No of tetrads in 2014:** 18

St Catherine's Hill (CP)

**No of post 2005 tetrads:** 59

Transect data present a mixed picture, with six sites showing increases exceeding 20%, a further six decreasing by more than 20% and two showing no change. Even so, the outlook for the species remains positive, with double-figure counts at many sites, and the completely unexpected colonisation of Magdalen Hill Down (first seen by Chris Cobb on 17 May). Both first and second brood individuals were observed at this Winchester reserve, but only time will tell if this colonisation is permanent.

The first sightings of 2014 were three weeks earlier than 2013, and for the fifth year in a row Bonchurch Down started proceedings. Two were observed here on 6 May (AB & PHun), whilst Hampshire emergence was more than a week later, with one at Martin Down on 15 May (LS). Peak season varied greatly between sites, with the best tally of 117 at Bonchurch Down on 19 May (AB). Other first brood high counts included 24 at Mottistone Down on 1 June (RLa), and 15 at Martin Down on 6 June (AW). The last first brood record for 2014 was at Bonchurch Down on 19 June (DMe), a full three weeks earlier than the previous year.

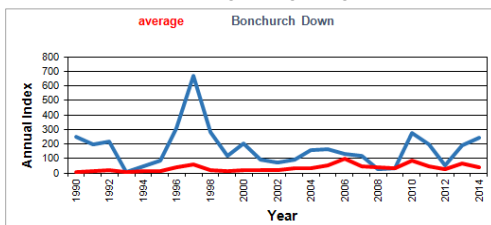
Warm, dry and sunny conditions in June and July ensured good breeding success and a good second brood emergence. Once again, Hampshire produced the first of this brood, with singletons on 22 July at both Stockbridge Down (CH) and Martin Down (JPI). The Isle of Wight soon followed, with one at Mottistone Down on 24 July (RLa),



Adonis Blue: Paul Brock

and three at Bonchurch Down on 28 July (AB). Interestingly, the second brood emergence was strongest at Martin Down, with a peak of 49 on 2 September (LS), yet lower at Bonchurch Down, which peaked at 40 on 8 August (AB). Other noteworthy second brood counts included 23 at Old Winchester Hill on 4 September (AW) and 14 at Mottistone Down on 18 August (RLa). The remarkable Magdalen Hill Down colonisation which produced a handful of first brood individuals, also produced low second brood counts from 2 August (JWo) to 17 September (AJB). There was an interesting aberration (*ab. krodell*) observed from 28-30 August (A&LB).

The last Isle of Wight sighting was of one on at Mottistone Down on 18 September (RLa), and although the season was largely over by 19 September, two Hampshire sites produced records right to the end of the transect season. The first of these gave nine at Martin Down on 23 September (LS), and the very last of the year was one at St.Catherine's Hill on 30 September (CP).



**Holly Blue *Celastrina argiolus* (B&F 1580)****Rupert Broadway****Status:** BC Low Priority**Earliest:** 16 March 2014**No of 2014 records:** 1,132

Straits Inclosure (NLa)

**No of 2014 individuals:** 1,499**Latest:** 30 November 2014**No of tetrads in 2014:** 303

Titchfield Haven (RJC)

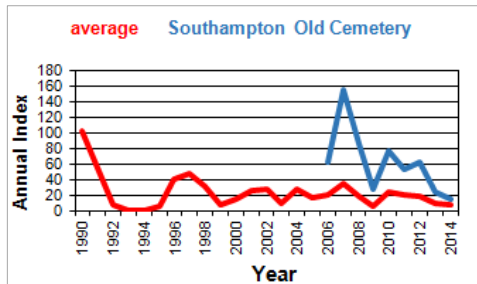
**No of post 2005 tetrads:** 809

A poor 2013 was followed by another indifferent season, with transect counts mostly down or showing no significant change: indeed only Whippingham Fields (46), The Gillies (21) and Southampton Old Cemetery (15) achieved double figures for the year, whilst Magdalen Hill Down (Extension) and Stockbridge Down both drew blanks.

A Big Butterfly Count record of 15 at Butser Hill on 21 July (JEI) was the highest of the year and one of only five double figure counts. Nevertheless Holly Blue sightings were recorded for over two months longer than in 2013 so perhaps 2015 will be a better year.



Holly Blue caterpillar: Paul Brock

**Duke of Burgundy *Hamearis lucina* (B&F 1582)****Ashley Whitlock****Status:** BC High Priority**Earliest:** 09 April 2014**No of 2014 records:** 183

Noar Hill (HPr)

**No of 2014 individuals:** 1,475**Latest:** 13 August**No of tetrads in 2014:** 20

Noar Hill (AMJ)

**No of post 2005 tetrads:** 51

The Duke of Burgundy in 2014 had a good season. Helped by a mild but very wet winter, the species emerged early at Noar Hill on 9 April (HPr). Good numbers were seen less than a week later at Noar Hill with 11 being observed (MTu). One was seen at Dean Hill early on the Hants/Wilts Border on 14 April (DLo).

The largest colony in Hampshire, the Butser Hill complex, again held very good numbers, where they were noted spreading out from the fringes of the site (DH). The clear felled area at the top of Oxenbourne Down also had a few specimens and it was also noted at Hillhampton Down (SP). On Butser Hill itself at Ramsdean Down there were 75 counted on 6 May. At Oxenbourne Down on 12 May 12 were counted where Gorse clearance has helped regenerate good areas of new Cowslips and scrub. Good numbers also came at Pillow Mound where scrub clearance has regenerated good Cowslips areas, with a record of 48 seen on 19 May (AW).

Weather was warm and sunny throughout the first three weeks of May helping the species to peak in the middle of the month. Elsewhere in the Meon Valley a count of five came from Westbury Park and a count of 67 on a private site on 4 May (AW). Poor weather in the last week of May ended the species good run quite abruptly. The last specimen at Old Winchester Hill was seen on 10 June (AW).

In other parts of Hampshire Duke of Burgundy did not fare so well. Deacon Hill seems to be the only site now in the Winchester area, with counts of 11 and 22 being seen by AJB & TBe, respectively on 16 and 18 May. The Duke seems to have been lost from the New Forest, and is also absent from Coulters Dean in the Queen Elizabeth Country Park and other former sites around Winchester.



Duke of Burgundy: Ashley Whitlock

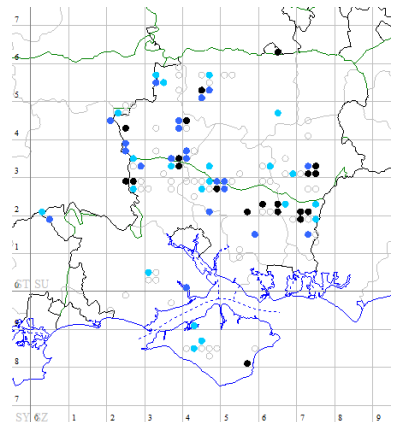
In the woodlands to the west of Winchester the primrose based Dukes were noted at Stockbridge Down, Ridges Grove and Wintersdown Copse. TBe also noted it on Broughton Down, where two individuals were seen on 18 May. Also on the Hampshire side of Salisbury Plain at Porton Down, SC noted 48 at Isle of Wight Hill he quotes '*Counts taken in woodland areas look to be at similar levels to the past few seasons. There also appears to be*

*a continuing spread of the population from woodland into woodland edges and even onto downland as Cowslips have become more numerous. I suspect this is variable according to conditions and the population will withdraw to its core woodland locations if they become less suitable.*'

On Stephens Castle Down, on 15 May, 15 individuals were noted on a perfect Duke of Burgundy day (AW). Other sites of note were Angle Down, where ABo recorded three on 19 May, Bentley Wood and another private site on the Hampshire/Wiltshire border where MG also recorded good numbers.

On Duke management in the county DH quotes '*I also looked at the former site of East Tisted railway line on Rotherfield Estate, where we advised on recent clearance works. It looks great but doesn't seem to be occupied yet. Also a contractor looked at two downland sites in the northwest of the county as part of the Wildlife Trust Winning Ways project but no Dukes were found. Awaiting a full report but I believe they got some positive records from one or two patches in Harewood forest where targeted management work was done.*'

AW and DH visited several sites in mid-June for feeding damage, and found several caterpillars in varying stages of Instar and feeding damage on Cowslip leaves. A second generation Duke of Burgundy emerged for the first time at the end of July at Noar Hill. AW and several recorders also recorded up to three individuals in the chalk pits at Noar Hill in the first week of August. It was therefore seen throughout April, May, the beginning of June, the end of July and the beginning of August, five consecutive months being what could be unprecedented for this species.



**White Admiral *Limenitis camilla* (B&F 1584)****Andrew Brookes****Status:** BC High Priority**Earliest:****10 June 2014****No of 2014 records:** 372

Catherington Down (JN)

**No of 2014 individuals:** 828**Latest:****25 September 2014****No of tetrads in 2014:** 82

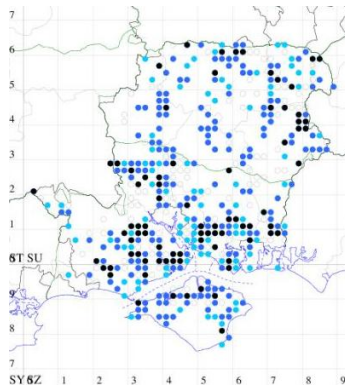
Pamber Forest (GJD)

**No of post 2005 tetrads:** 321

Given the encouraging resurgence of the White Admiral in 2013, its mediocre emergence in 2014 was a disappointment. Of the 372 records submitted, only a dozen were of double-figure tallies, and nearly half those were from the Straits Inclosure, which is traditionally its top Hampshire habitat. Predictably, the Straits also produced the year's 'zenith' of 21 on 23 June (AW), comparing very unfavourably with the previous year's best of 50 at the same site. The silver went to the minuscule Walter's Copse on the Isle of Wight, with another modest tally of 13 recorded on 22 June (KMa).

*White Admiral: Peter Hunt*

The peak flight period was in the last week of June. Numbers dwindled steadily the next month, the only crumbs of comfort being a respectable (for the New Forest) 14 seen at Brockishill / Furzy Lawn on 7 July (JRu), and 11 at Harewood on 17 July (JSo). A litany of low single figures persisted through August, and four singletons were recorded in September. No second-brood or aberrations were reported. Data from the transects were inconclusive, one third showing a decline of over 20%, while another third showed an increase of the same proportion.

**Purple Emperor *Apatura iris* (B&F 1585)****Ashley Whitlock****Status:** BC High Priority**Earliest:****21 June 2014****No of 2014 records:** 73

Alice Holt (AW)

**No of 2014 individuals:** 129**Latest:****08 August 2014****No of tetrads in 2014:** 25

Ashford Hangers (JHo)

**No of post 2005 tetrads:** 145

The Purple Emperor in 2014 enjoyed some of the best summer weather on record however in Hampshire numbers seemed to be well down on the previous year. It was first seen in Alice Holt Forest on 21 June, where two males were observed clashing at the Assembly Point. Sadly the good weather seemed to collapse at most weekends when recorders could get out and observe this species.



Purple Emperor: Ashley Whitlock

Low numbers in many well-known woods, for example Straits Inclosure, Creech Wood, Botley/Whiteley Pastures, and Pamber Forest, could well have meant that the weather in the middle of July was playing a part in the species behaviour. MRO writes that '*in hot weather (days with max of >23°C) the males tend to take a mid-afternoon siesta before becoming nicely active in the early evening. Old males are particularly prone to do this. Late in the flight season they are often inactive during the mornings and are very much afternoon - or early evening - butterflies. In the present weather conditions it is well worth looking for males from 5pm onwards, until about 7.30. The challenge though is to finding where they are, for activity is*

*distinctly localised and not necessarily in known territories. They move with the sun and congregate in discrete places.*' This behaviour could well have happened in Straits Inclosure and Creech Wood where AW visited on several occasions in good weather and no males were seen at all throughout the morning or early afternoon.

Despite this we had records from Crab Wood (CBe), Havant Thicket (many recorders), Herbert Plantation (AGF), Embley Hill (SS), West Wood (various recorders), Ampfield Wood (T&SG), Huntbourne Wood (AW & ABr), Longmoor (EFr), Royal Victoria Country Park (CBC), Noar Hill and Selborne Common (AMJ), Clinkers Copse (ABo), Silchester (GJD), Coxmoor Wood (ABe), Southleigh Forest (various recorders), Straits Inclosure (various recorders).

The best counts in Hampshire came from Alice Holt Forest on 29 June with a count of 20 and then on 3 July in Havant Thicket with a count of ten and in West Wood on 7 July with a count of eight (AW).

The species could be breeding along motorway verges, where it has been seen between Emsworth and Southborne, on the A27, and again north and south of Petersfield on the A3.

In the Straits Inclosure on 12 July EFr saw six with several males imbibing on the newly laid woodland track, but compared with counts in 2013 this site remained very disappointing. At the Assembly Points in Alice Holt Forest several were occupied in the early part of the season only to be deserted by the middle of July. Goose Green Inclosure had a count of four to six on many visits throughout the season (many recorders). The last battered Purple Emperor was last noted there on 26 July by RSy.

Females were observed in several woods towards the end of the season, egg-laying, but the general consensus throughout the Purple Empire is that the egg-lay was very poor.

This does not bode well for the Purple Emperor season in 2015.

**Red Admiral *Vanessa atalanta* (B&F 1590)****Susan Clarke****Status:** BC Low Priority**Earliest:** 02 January 2014**No of 2014 records:** 3,601

Puckpool Park, IOW (BCa)

**No of 2014 individuals:** 5,709

Five other locations on the Mainland (AST, RSK, B&amp;JA, ABo, DHo)

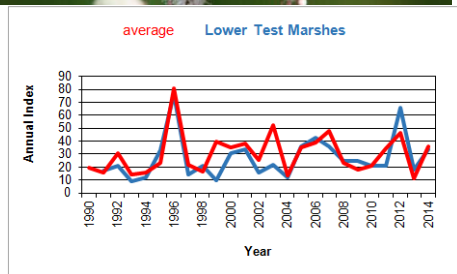
**No of tetrads in 2014:** 597**No of post 2005 tetrads:** 1,064**Latest:** 30 December 2014

West of Fort Monckton (DJAT)

Red Admiral numbers increased in 2014 from the low level seen in 2013. The flight period, as estimated from the number of individuals seen, showed a peak in early to mid-July but sightings were recorded in every month of 2014. The highest count was 27 at Sandown, IOW on 8 August (ZC).

It is interesting that recent research has shown that the Red Admiral is not a resident and in all but very mild winters, even in the south, this species fails any attempted hibernation. Most adults seen in mid-winter are believed to have developed from late caterpillars. In addition, the migration patterns of this butterfly are complex and as a result numbers in Britain can fluctuate strongly.

For details of these findings see Thomas & Lewington book, 'The Butterflies of Britain & Ireland', 2014 edition.

*Red Admiral Trevor Bumfrey***Painted Lady *Vanessa cardui* (B&F 1591)****Bob Whitmarsh****Status:** BC Low Priority**Earliest:** 01 March 2014**No of 2014 records:** 449

Stanpit golf course (BG)

**No of 2014 individuals:** 620**Latest:** 10 December 2014**No of tetrads in 2014:** 238

Newport IoW (DBw)

**No of post 2005 tetrads:** 837

It was not a good year for the Painted Lady. More transects showed a decline of more than 20% than a similar increase, continuing a decline in the annual index since 2009. The number of recorded individuals was also down by 45% relative to 2013. Nevertheless the species was observed from March to December. The first influx of Painted Lady occurred in the last ten days of May (wind from the SE quadrant) when 17 individuals were sighted at two sites on the Island, with other, mainly coastal, sightings in the following four days. However the largest numbers (378) appeared between mid-July and mid-August, peaking in late July, followed by a sudden and then gradual fall off in numbers.



**Small Tortoiseshell *Aglais urticae* (B&F 1593)****Andrew Brookes****Status:** BC Low Priority**Earliest:** 10 January 2014**No of 2014 records:** 4,459

Alresford (T&amp;SG)

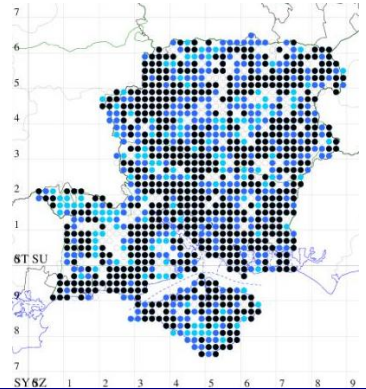
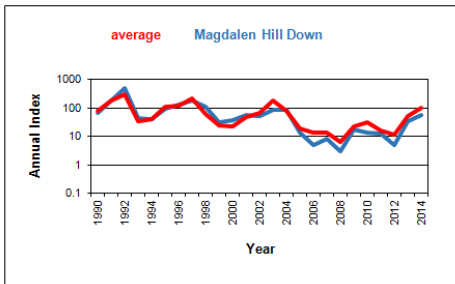
**No of 2014 individuals:** 11,098**Latest:** 24 November 2014**No of tetrads in 2014:** 611

Ropley (LF)

**No of post 2005 tetrads:** 949

This butterfly's resurgence continues apace. The year started well, with some remarkable counts of over-wintered butterflies, notably 30 seen at Stokes Bay, Gosport, on 10 March (DJAT), and 21 the following month at Testwood Lakes (D&JT). Larval nests were found as early as 16 April (J&JM). The midsummer brood emergence began strongly with a string of double-figure sightings, beginning with 21 at Danebury Hill on

12 June (JSo) and 32 at Shipton Bellinger Down (TN&LF). However, with few exceptions, such as the 22 seen at Old Winchester Hill (AMc), numbers dwindled to low single figures by mid-August; once again no evidence of a late summer brood. The recovery was amply illustrated by the transect data; recorded on 68 transects, two-thirds logged an increase in numbers of over 20% on 2013.

**Large Tortoiseshell *Nymphalis polychloros* (B&F 1594)****Andy Butler****Status:** BC High Priority**Earliest:** 19 March 2014**No of 2014 records:** 2

Coxford Down (BI)

**No of 2014 individuals:** 2**Latest:** 12 July 2014**No of tetrads in 2014:** 2

Bridlesfield Copse (AHB)

**No of post 2005 tetrads:** 50

These were the only two records of Large Tortoiseshell sightings received for 2014: one, presumably a hibernating individual, was seen indoors on 19 March at Coxford Down, and on 9 April Tim and Sue Graham recorded one on their Ampfield Wood transect. A fluctuating presence of this species over the last few years and a far cry from the extraordinary numbers of 37 in 2007.

**Peacock *Aglais io* (B&F 1597)****Susan Clarke****Status:** BC Low Priority**Earliest:****02 January 2014****No of 2014 records:** 5,155

Denny Lodge, New Forest (KF)

**No of 2014 individuals:** 13,230**Latest:****29 November 2014****No of tetrads in 2014:** 656

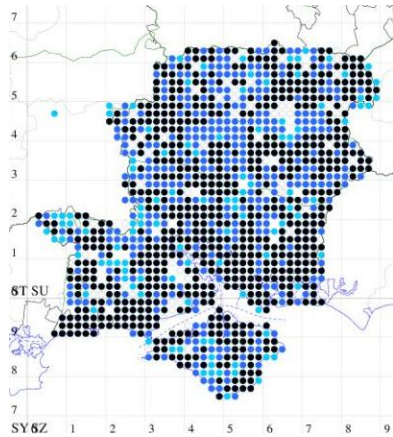
Anns Hill Cemetery, Gosport (DJAT)

**No of post 2005 tetrads:** 1,059

This was another good year for the Peacock with high numbers seen at most sites. The highest count was 52 on 20 June at Botley Wood (ACM).

On 16 March at Parkhurst Forest, SRe saw 30 Peacocks and commented "can't recall seeing this many in the forest in March!" TJ reported seeing one aberration with no "eyes" on the hind wings on 13 March at Lane End, Beauworth. SRP found one in an actinic moth trap on 21 July at Fort Victoria, something that has also happened to me on several occasions.

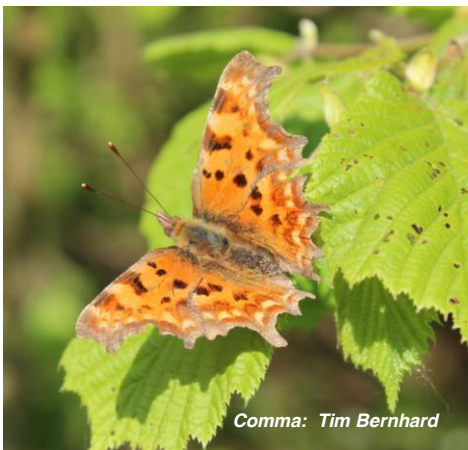
The spring peak flight period (estimated from the number of individuals observed) was mid-April and the summer peak was the end of July. The adults do over-winter and in 2014 were seen in January and in November flying on sunny days.

**Comma *Polygonia c-album* (B&F 1598)****Rupert Broadway****Status:** BC Low Priority**Earliest:****26 February 2014****No of 2014 records:** 2,364

Walters Copse, Newtown (PHun)

**No of 2014 individuals:** 3,628**Latest:****09 November 2014****No of tetrads in 2014:** 467

Christchurch (West) (MJG), Newtown Common (AGF)

**No of post 2005 tetrads:** 977

Comma: Tim Bernhard

Transect data indicates a modest decline in 2014 from a good 2013. Despite this, Whippingham Fields (113), The Gillies (30) and Testwood Lakes (Lakeside) (60) each had their best annual index since 2009.

Counts of 30 at Walters Copse on 9 March (MJG) and 26 at Parkhurst Forest on 16 March (SRe) indicate a strong Isle of Wight spring brood. The highest mainland record was of 20 at Ackender Meadow, Alton on 12 July (SMa).

There was a modest peak in April and a stronger one in July. Numbers declined from then on culminating in 19 records in October and three in November.

**Status:** BC High Priority

**Earliest:** 17 May 2014

**No of 2014 records:** 25

Bentley Wood, Eastern Clearing (MPi)

**No of 2014 individuals:** 127

**Latest:** 06 July 2014

**No of tetrads in 2014:** 5

Bentley Wood, Eastern Clearing (JSO)

**No of post 2005 tetrads:** 21

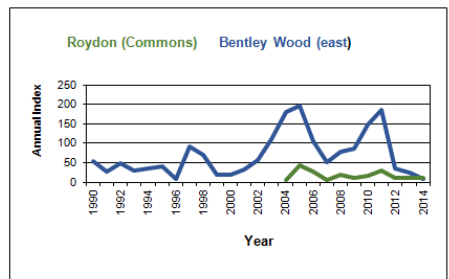
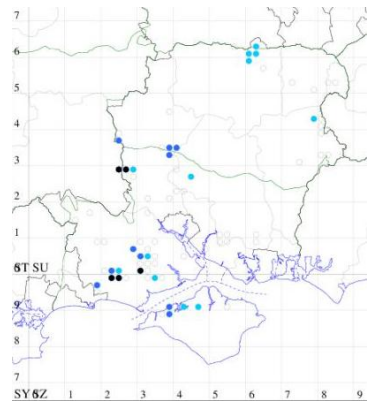
My account for 2013 started by saying it was not a good year for the Small Pearl-bordered Fritillary; unfortunately I have to report much the same for 2014 with numbers down at Bentley Wood and much the same at Wootton Coppice and Roydon Woods and with no records again from the Isle of Wight. The first sighting on 17 May was at Bentley Wood, Eastern Clearing; some 17 days earlier than 2013 for the same site.

There are four transects at Bentley Wood, which straddles the Hampshire/Wiltshire border, only Eastern Clearing is in Hampshire. Transect data for Eastern Clearing shows another drop in the Annual Index which was 186 in 2011, 34 in 2012, 22 in 2013 and just seven in 2014. The highest individual count on transect was two on 17 June (AMk) compared to the considerably higher figure of 53 on 18 May (DLA) in 2011. Sadly all four transects show a similar pattern of decline with the total of the four for 2011 being 356 falling to 13 in 2014. There were few non-transect records but a count of 12 on 1 June (AW) is encouraging.

Numbers at Roydon Woods were slightly down, with an Annual Index of 10 in 2014 compared to 12 in 2013 and 11 in 2012. Again AW recorded an encouraging non-transect count of 11 on 14 June. Work is in progress at this Hampshire and Isle of Wight Wildlife Trust reserve to extend the area of suitable habitat for this species. At the only other New Forest site, Wootton Coppice, the Annual Index was nine, down from 21 in 2011.

Cranmore, on the Isle of Wight was visited on a number of occasions in 2014 and no Small Pearl-bordered Fritillaries were seen. This species has not been recorded there since 2011 and it is now considered lost from the Isle of Wight.

There are currently just three sites with this species in Hampshire compared to 30 (in Hampshire and the Isle of Wight) as reported in our 1988 Annual Report. In recent years numbers peaked in the warm spring of 2011 but crashed during the poor spring of 2012 and the Small Pearl-bordered Fritillary has been unable to recover. Having lost this species from the Isle of Wight there is concern for the future of this vulnerable butterfly in Hampshire as well.



**Status:** BC High Priority

**Earliest:** 27 April 2014

**No of 2014 records:** 112

New Copse Inclosure (KWo)

**No of 2014 individuals:** 572

**Latest:** 20 June 2014

**No of tetrads in 2014:** 17

Stockbridge Down (CH)

**No of post 2005 tetrads:** 46

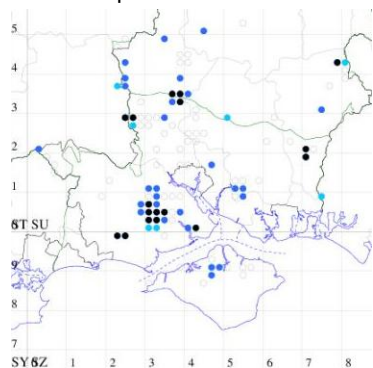
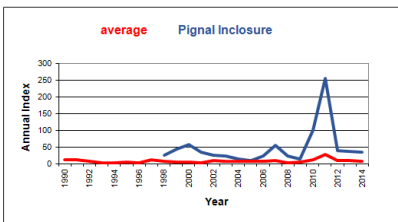
Unlike 2013, when cold weather delayed the start of the “Pearl” season, 2014 saw a return to April emergence, although in truth it was not until the first week of May that things really got started. It was an average year, with some transects up, and others down, but in overall terms, populations appear to be steadying follow the crash of 2012. JRu who monitors the New Forest Inclosures in great detail, summarised the situation by saying that ‘*Pearl-bordered Fritillary remain present and viable in some twenty locations*’. He further commented that the work of Forestry Commission Beat Keepers and Forestry Commission’s “Two Trees” volunteers have contributed greatly to improving habitat quality and dispersal routes within the woodlands.

The first sightings of the year were of a singleton at New Copse Inclosure on 27 April (KWo), then three at Denny Lodge on 29 April (JRu). Numbers built up steadily from this point and peaked around 16-21 May. The best combined New Forest tallies were 116 from seven locations on 16 May (JRu), and 100 from eight locations on 17 May (JRu). The highest single Inclosure tally was 65 at Ramnor Inclosure on 17 May (AW).

In the Tytherley area of central-west Hampshire, the private woodlands near Stockbridge gave a maximum count of 7 (two sub-sites combined) on 18 May (AW), and there were several sightings at Stockbridge Down. This is particularly encouraging as it suggests dispersal within the local area. At Bentley Wood on the Hants/Wilts border, the maximum count was 24 on 25 May (MJG). Elsewhere, a Pearl-bordered Fritillary was unexpectedly seen on transect at Bentley Station Meadow on 25 May (TS), and for the second year running Oxenbourne Down produced records, spanning the period 30 April to 31 May (several observers), with a peak of five on 14 May (AW).



The last record from the New Forest was of six in New Copse Inclosure on 12 June (GRA), suggesting a finish to the season that was a week earlier than 2013. However, there were two late Stockbridge Down records, the first on 12 June (PDB), then a finally on 20 June (CH).



**Status:** BC Medium Priority

**Earliest:** 10 June 2014

**No of 2014 records:** 463

Stockbridge Down (PE)

**No of 2014 individuals:** 1,945

**Latest:** 31 August 2014

**No of tetrads in 2014:** 65

Wootton Coppice (MLE)

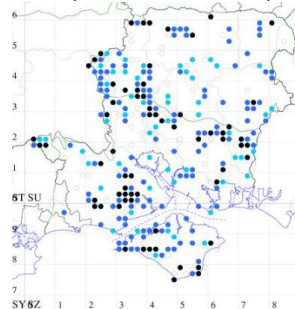
**No of post 2005 tetrads:** 226

This large and spectacular butterfly did not do so well during 2014 as it had in 2013; 18 of 31 transect annual indices showed a decrease of more than 20% and only seven showed an increase of more than 20%. This may have been due to the occasional cool wet weather during the spring which would have had a detrimental effect on the post hibernation larvae.

The first mainland record of the year was from Stockbridge Down on 10 June (PE). Low numbers were then noted throughout June with the first of the larger counts during a visit to Stockbridge Down on 21 June (JSO). Here an amazing 162 were recorded along the roadside hedge. This site has seen a steady increase from no records for a number of years, including 2012, to spectacular numbers in the last two years. This has no doubt been due to the excellent habitat management by the National Trust on this site. At most other good sites for this species, numbers were slightly lower than 2013. At two of the best sites for this species in Hampshire, Martin Down (North) and Broughton Down, the annual indices indicated similar numbers to 2013. At other sites there were slight increases such as at Noar Hill where the annual index improved from 14 in 2013 to 26 in 2014. At several other sites, sadly this was not the case and at The Mountain the annual index fell from 88 in 2013 to 20 in 2014. Similar declines were noted at Old Winchester Hill, Martin Down (Kitts Grave) and Beacon Hill (Warnford).



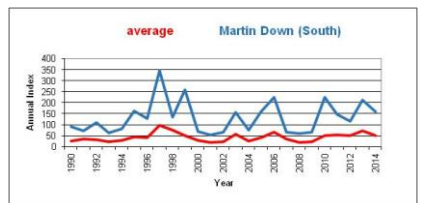
*Dark-green Fritillary ab. albomaculata seen at Old Winchester Hill by Heather Mills*



Records of ten or more individuals were recorded from Martin Down (North) (RLI) and Butser Hill (MSH) on 24 June with 20 being noted at Broughton Down on the following day (JGr). Double figures were also noted on the Mottistone Down and Stockbridge Down transects at the end of June. Reasonable numbers continued to be recorded throughout July at well-known localities for this species such as Noar Hill and Broughton Down.

Stockbridge Down and Martin Down seemed to be the best sites to observe this species and good counts were also recorded at Pitt Down on 7 July where 25 were seen and 20 at Oxenbourne Down on 19 July (AW). The peak of the flight period was the first week of July after which numbers generally decreased to ones and twos at a number of sites such as West Wood and Wootton Coppice. Two worn individuals were recorded by A&LB at Shipton Bellinger on 3 August and the last of the year were noted at Wootton Coppice (NF) on 31 August (MLE).

Stockbridge Down and Martin Down seemed to be the best sites to observe this species and good counts were also recorded at Pitt Down on 7 July where 25 were seen



**Silver-washed Fritillary *Argynnis paphia* (B&F 1608)****Richard Levett**

**Status:** BC Low Priority  
**No of 2014 records:** 1,207  
**No of 2014 individuals:** 4,804  
**No of tetrads in 2014:** 157  
**No of post 2005 tetrads:** 514

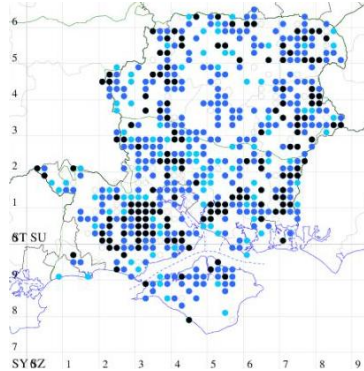
**Earliest:** 12 June 2014  
 Botley Wood (KW)  
**Latest:** 08 September 2014  
 Noar Hill (AMJ)



Silver-washed Fritillary: Stephen Plummer

Pignal Inclosure all rose substantially, their combined totals leaping from 78 in 2013 to 366 in this year. Continuing the positive theme, on the Island, both Firestone Copse and Walter's Copse produced their best transect indices to date. Elsewhere notable counts were 70 at Parkhill Inclosure on 16 July (PDB) and 96 at Pamber Forest on 17 July (GJD).

In many places this butterfly is still recovering from the poor season in 2012. Of the fifty transect sites where it was present only nine recorded an increase greater than 20%. Perhaps the most encouraging trends came from the inclosures in the south of the New Forest. The transects results at Wootton Coppice, Standing Hat and

**Marsh Fritillary *Euphydryas aurinia* (B&F 1610)****Mike Gibbons**

**Status:** BC High Priority  
**No of 2014 records:** 10  
**No of 2014 individuals:** 29  
**No of tetrads in 2014:** 1  
**No of post 2005 tetrads:** 24

**Earliest:** 15 May 2014  
 Martin Down (LS)  
**Latest:** 05 June 2014  
 Martin Down (LS)

Very low numbers were recorded at Martin Down NNR, with only a maximum count of eight on transect on 15 May (LS). Numbers remained at this low level on 25 May when six were seen (PHa). The weather in May was mixed, warmer in the early part of the month, becoming unsettled towards end.

Singles were recorded on a number of occasions, but numbers never really built to a significant level, which is a concern for a species dependant on warm settled weather over its flight period.

There were no larval web counts reported. It is well known that adult numbers will fluctuate from year to year due to weather, parasitized larvae, food plant availability etc, so it is hoped that next year will bring better fortune for the species.



Marsh Fritillary Sue Gilman

**Status:** BC High Priority**Earliest:** 29 April 2014**No of 2014 records:** 52

Wheeler's Bay, IoW (AB, DN, PHun)

**No of 2014 individuals:** 339**Latest:** 01 July 2014**No of tetrads in 2014:** 8

Shepherd's Chine, IoW. (AB)

**No of post 2005 tetrads:** 53

The spring larval web survey that is carried out annually by the Isle of Wight Natural History and Archaeological Society showed that, in spite of the zero returns last year (2013) from the designated sites, the few webs found off transect were enough to produce a small number of adults later in the year. This year's results have shown that at some sites the butterfly is probably lost, such as at Binnel, St.Catherine's and Redcliff but at others numbers are starting slowly to improve with most sites into double figures.

The problem is due, in part, to a deterioration in habitat quality so the butterflies are forced out of their normal and traditional sites and have to spread out looking for new suitable locations; if these are not available they die out.

As usual the first adult record came from Wheeler's Bay and on an early date, 29 April (AB, DN, PHun) with a further 32 there on 14 May. On 16 May there were three at Compton (CD) and on 20 May there was one seen in Brighstone Forest (DD). On 20 May one was observed on the upper cliffs near to Windy Gap above St.Catherines perhaps indicating a search for a new site. The small colony that is right on the top of the cliff at St. Lawrence has moved slightly west where 14 were counted on 25 May (A&KM) and on the same day C&JP saw three along the cliffs near to Binnel but not in the usual transect area, again butterflies probably looking for suitable habitat. On 29 May a visitor (Mr. Dawson) reported high numbers of Glanvilles at Grange Chine so on 31 May P&AE checked this out and counted a very satisfying 103, making this the best site of the year.



*Glanville Fritillary: Andy Butler*

The best count on the Mottistone Down transect was 11 on 1 June (National Trust). This is a long established colony that survives because of a management regime instituted for the Dark Green Fritillary. There have been occasional records from the St.Helens area in the past and again one was seen there this year on 7 June (DN). The colony at Whitecliff is now reduced to quite low numbers such as the five seen

on 13 June (C&JP); this is another site where the habitat is deteriorating.

The last of the year was at Shepherd's Chine on 1 July (AB) bringing an end to quite a long season and hopefully setting the foundations for a continued improvement in the future. Disappointingly no records from the mainland this year following last year's two single early June sightings.

Overall the year could never be classed as good but the butterfly has survived a very bad previous year and the winter of 2014/15 was not as bad as the last two years with no major land slips and not too much rain.

**Speckled Wood *Pararge aegeria* (B&F 1614)****Jon Stokes****Status:** BC Low Priority**Earliest:** 11 January 2014**No of 2014 records:** 5,201

Millbrook Southampton (PRi)

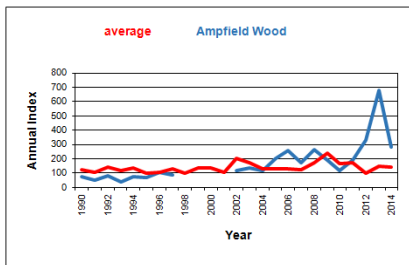
**No of 2014 individuals:** 10,619**Latest:** 01 November 2014**No of tetrads in 2014:** 506

Fort Gilkicker, Gosport (DJAT)

**No of post 2005 tetrads:** 1,012

Once again a stunningly early butterfly on 11 January matches the earliest known date for Speckled Wood (PRi) although in 2014 this was in Southampton, while the 2013 individual was on the Isle of Wight. However as usual the last records of the year were in Gosport, as they have been every year since 2006, this time on 1 November (DJAT).

It would appear that 2014 was a good year for the Speckled Wood. In 2014 the largest number recorded at a site was at Pamber Forest, where 56 were recorded on 31 August (GJD).

*Speckled Wood Amanda Adolph***Wall Brown *Lasiommata megera* (B&F 1615)****Pete Durnell****Status:** BC High Priority**Earliest:** 16 April 2014**No of 2014 records:** 132

Mottistone Down (RLa)

**No of 2014 individuals:** 239**Latest:** 05 October 2014**No of tetrads in 2014:** 48

Fort Gilkicker (DJAT)

**No of post 2005 tetrads:** 158

As usual the first Wall of the year appeared on the Isle of Wight, recorded on 16 April Mottistone Down transect (RLa). There were further regular sightings on the island during late April and early May with five recorded at Bonchurch on 3 May (AB). It was not until the 14 May that the species was observed on the mainland with a sighting at Keyhaven (ABut).

A sighting of two at Fort Gilkicker on 19 May (ACM) was welcome confirmation that the species is still hanging on at this location.

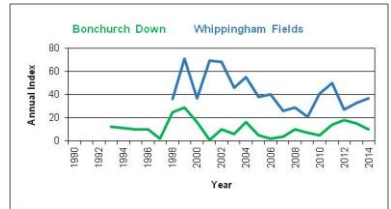
*Wall Brown Stephen Plummer*



Despite the fine summer weather there were very few records from elsewhere on the mainland. Even at their remaining county stronghold around Lymington numbers appeared very low. This was born out by the Normandy Marsh transect which continued its alarming decline of recent years with only two sightings all season (MW). Apart from Gosport, the only other mainland sighting was one individual at Barton Pit on 25 September (TB). It appears the species may be heading for extinction on the mainland.

On the Isle of Wight numbers were generally lower than in 2013 with a high count of 18 at Shepherd's Chine on the late date of 24 September (AB). Transect numbers on the island held up fairly well with the Whippingham Fields annual index of 37 actually higher than the previous year (JR).

The second brood started to emerge on 17 July on the island and arrived several days later on the mainland. There were three broods in 2014 with the highest counts of the year during the third brood including eight at Chilton Chine on 1 October (IOu) and nine at Keyhaven on 28 September (GC).



**Marbled White *Melanargia galathea* (B&F 1620)**

**Linda Barker**

**Status:** BC Low Priority  
**No of 2014 records:** 2,565  
**No of 2014 individuals:** 24,515  
**No of tetrads in 2014:** 339  
**No of post 2005 tetrads:** 786

**Earliest:** 09 June 2014  
 Portsdown Hill (AW)  
**Latest:** 18 September 2014  
 Hale Purlieu (VD)

The Marbled White had another good year at many of our chalk downland sites. The Annual Index for Magdalen Hill Down, Original was 918, compared to 455 in 2013. This is the highest total since monitoring began there in 1990.

The highest weekly count was 381 (PJ) 24 June. High counts were recorded at Yew Hill, with an Annual Index of 723, compared to 523 in 2013, and Bonchurch Down where the Annual Index was just 30 in 2012 and was 536 in 2014.



*Marbled White Mark Tutton*

Not all sites showed big increases with a third of the 90 sites monitored by transect showing no significant change. There were several other counts of 100 or more for Stockbridge Down, including 300 on 7 July (PE) and other sites including Noah Lake in Gosport, Wheeler's Bay, IoW, Lower Froyle and Pitt Down. The butterfly peaked during the last week of June and the first week of July.

**Status:** BC High Priority  
**No of 2014 records:** 203  
**No of 2014 individuals:** 827  
**No of tetrads in 2014:** 44  
**No of post 2005 tetrads:** 184

**Earliest:** 02 July 2014  
 Brightstone Down (JHC)  
 Mottistone Down (RLa)  
**Latest:** 17 September 2014  
 Browndown (RACC)  
 Yew Tree Heath, New Forest (PDB)

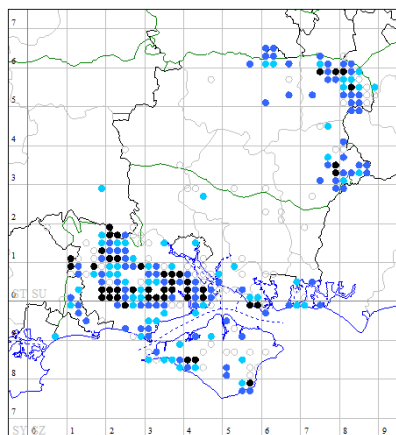


Grayling: Paul Brock

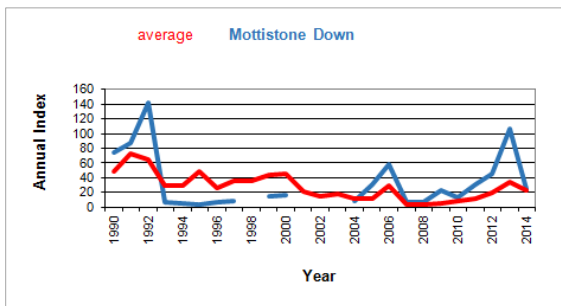
This species had a poor year in 2014, with a 28% decline in individuals compared with 2013; the number of records also declined. Seven out of thirteen transects showed a decrease of 20% or more compared with 2013, with four showing an increase of 20% or more. Results from newer transects will be more meaningful in future years. At Eelmoor, where the largest count was 16 on 26 July, CRH commented '*These were our poorest results in nearly 20 years of monitoring, a result reflected by my observations on*

*the other local heaths. There was good warm weather in July 2014 and the condition of the habitats seems unchanged, so was it something to do with survival through winter?'* This species was first seen on the Isle of Wight on 2 July, then recorded on 3 July in Ocknell Plain, New Forest (JRu), much earlier than in 2013. This was followed by records from many other heathland localities throughout Hampshire.

The season continued to 17 September with records throughout. The peak count was 61 at Broomy Bottom on 31 August after 54 on 7 August (JRu). Otherwise in the New Forest only the 38 recorded during the Branch Field Trip on 22 July at Hatchet Moor and 40 at Yew Tree Heath on 30 July (PDB) are notable, with only four other counts of 20 or just above. The species is, however, present in poorly recorded sites, for example 20 at Cranes Moor on 22 July (PDB).



To sum the season up – one of much lower counts in most sites.



**Gatekeeper *Pyronia tithonus* (B&F 1625)****Jean Annell**

**Status:** BC Low Priority  
**No of 2014 records:** 4,980  
**No of 2014 individuals:** 30,836  
**No of tetrads in 2014:** 609  
**No of post 2005 tetrads:** 1,057

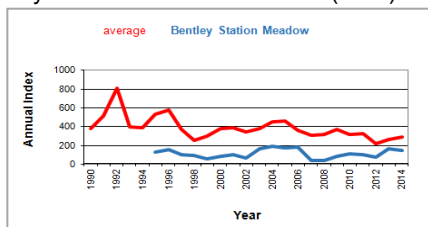
**Earliest:** 10 June 2014  
 Itchen Valley Country Park (DPa)  
**Latest:** 25 September 2014  
 The Gillies Transect (GB)



Gatekeeper Ashley Whitlock

The first sighting of the Gatekeeper in mid-June heralded the start of the flight period which continued through until September peaking in late July.

There were 18 counts of 100 or more and a further 32 counts of 50 plus which all occurred during the last two weeks in July. The largest single count of 250 was on 27 July at Rhinefield House Hotel (CAD).



Looking at the Annual Index there was an increase of approximately 10% overall on 2013, with 51 sites showing an increase of more than 20%

**Meadow Brown *Maniola jurtina* (B&F 1626)****Susan Clarke**

**Status:** BC Low Priority  
**No of 2014 records:** 8,211  
**No of 2014 individuals:** 71,114  
**No of tetrads in 2014:** 603  
**No of post 2005 tetrads:** 1,083

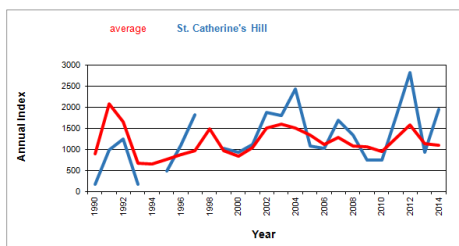
**Earliest:** 21 May 2014  
 Itchen Valley CP Meadows (KFi)  
**Latest:** 10 October 2014  
 St Catherine's Hill (CP)

The first reliable sighting reported was at Itchen Valley Country Park (Meadows) before the main flight period began in late May. The flight period (determined from numbers of recorded individuals) showed a prolonged peak from the beginning of July until mid-August. With the mild autumn the butterfly was still in flight in September, with two later records in October.

As usual, the Meadow Brown was common and widespread. The highest count in 2014 was 334 on Section 10 of the Whippingham Fields transect on 18 July (JR), but many records give counts of well over 100 individuals.



Meadow Brown: Tim Bernhard



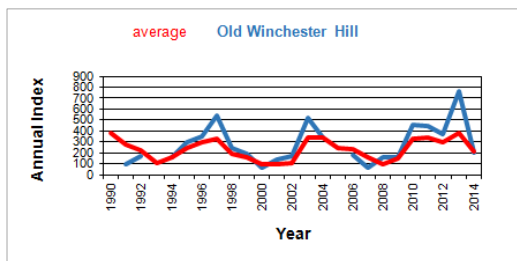
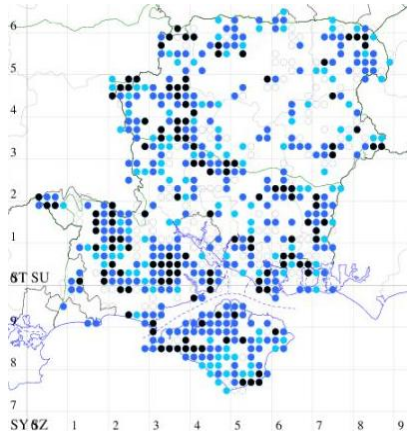
**Status:** BC High Priority  
**No of 2014 records:** 1,913  
**No of 2014 individuals:** 6,109  
**No of tetrads in 2014:** 132  
**No of post 2005 tetrads:** 477

**Earliest:** 29 April 2014  
 Bonchurch Down, Ventnor (PHun)  
**Latest:** 03 October 2014  
 Farlington Marshes (PJS)

This species showed a significant decline in 2014, with the total numbers recorded being less than half the 2013 figure. The number of records was down by over 25%, and the largest day count was the 98 recorded across six sections of the Whippingham Fields transect, near East Cowes, on 24 July (JR). Section 8 of Whippingham Fields transect supplied three of the top ten counts of the year. The highest single count was the 70 seen at Old Winchester Hill on 7 September (AW). The earliest record was nearly a fortnight earlier than in 2013, and was the only record in April. The latest record was three weeks earlier than in 2013, but more in line with 2012. The transect records also reflected a marked decline, with marginal increases at Mottistone Down and Martin Down (North) the only exceptions. Martin Down (South) was nearer to the average with a decline in excess of 20%.



Apart from transect records, the highest number recorded in the first brood was 51, at Ocknell Plain on 21 June (JRu), with a maximum at Butser Hill of 41 on 24 June (MSh), and 40 at Pilot Hill, Facombe (TN&LF) being the next highest. Over a third of the year's individuals were seen in the month of June. Records continued at low numbers throughout July and early August. The second brood was recorded consistently from the last week in August, with Old Winchester Hill recording 46 on 4 September (AW), as well as the 70 mentioned above, but still significantly lower than the 800 recorded at that site on one occasion the previous year. The 19 seen at Rake Bottom, Ramsdean Down on 25 September (RoW) was the latest record to reach double figures.



**Status:** BC Low Priority

**Earliest:** 09 June 2014

**No of 2014 records:** 3,047

Noar Hill (AMJ)

**No of 2014 individuals:** 23,975

**Latest:** 09 September 2014

**No of tetrads in 2014:** 350

Kings Copse Inclosure (DMc)

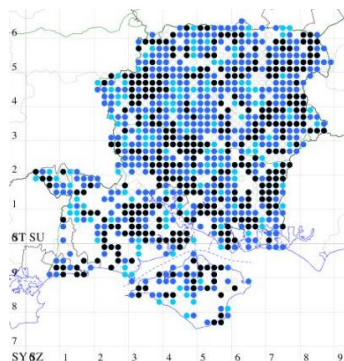
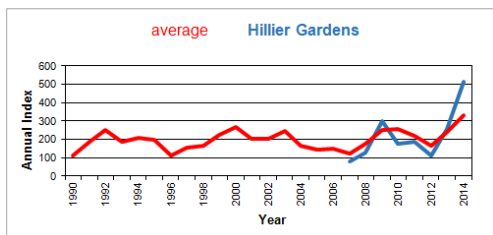
**No of post 2005 tetrads:** 807



Ringlets: Sheila Legge

The majority of the transect sites recorded stable or increasing numbers compared with the previous year. Only a quarter of the sites noted a decrease of over 20%. Those at Standing Hat and Hilliers Gardens saw particularly strong rises in population. Three-figured counts included 132 at Church Place on 16 July (JRu) and 119 at Pamber Forest on 17 July (GJD).

The only September sightings were in the New Forest, at Badminton Common (JNo) & Kings Copse Inclosure (DMc).



**Migrants, Releases, Escapes**

**Tim Bernhard**

Note: Whilst some of these records may be of immigrants, deliberate or accidental releases of captive bred specimens cannot be ruled out.

After the fantastic migration of **Long-tailed Blues** (*Lampides boeticus*, **B&F 1567**) in 2013, 2014 was a little disappointing. It was hoped that some might have survived our winter to produce a new generation in the spring of 2014. However, only one individual was recorded at Osborne on the Isle of Wight on 30 July (MHa).

The spectacular **Camberwell Beauty** (*Nymphalis antiopa*, **B&F 1596**) was recorded twice in Hampshire during 2014. The first of these was seen on the Ampfield Wood transect on 9 April (T&SG). A second was recorded at Whitehill in north-east Hampshire on 26 July (LMa), which was seen flying strongly across the road.

## Butterfly Recorders Abbreviations

The contents of this report would not be possible without the dedication and help of the many recorders in the county.

Regrettably, with such a wide scope of data now being gathered, it is not possible to include all by name.

Those listed below represent recorders mentioned in the Species Reports.

<b>SAd</b>	Adams, Sue	<b>BG</b>	Goater, Barry	<b>JP</b>	Pain, Jess
<b>GRA</b>	Annell, Bob	<b>JGr</b>	Graham, Jim	<b>DPa</b>	Payne, David
<b>B&amp;JA</b>	Annell, Bob & Jean	<b>ACG</b>	Graham, Tim & Sue	<b>SP</b>	Peach, Steve
<b>BAu</b>	Austin, Robert	<b>T&amp;SG</b>	Greenwood, Arthur	<b>M&amp;MP</b>	Pearson, Mr & Mrs
<b>AJB</b>	Barker, Andy	<b>MGr</b>	Gregory, Mike	<b>CP</b>	Piątkiewicz, Chris
<b>A&amp;LB</b>	Barker, Andy & Linda	<b>MG</b>	Grist, Mervyn	<b>MPI</b>	Pike, Mark
<b>TBe</b>	Bernhard, Tim	<b>CH</b>	Hadler, Catherine	<b>CPI</b>	Piper, Chris
<b>ABe</b>	Berryman, Alex	<b>CRH</b>	Hall, Chris	<b>SRP</b>	Plummer, Stephen
<b>CRB</b>	Beyer, Colin	<b>MHa</b>	Hallett, Mark	<b>JPI</b>	Plunkett, James
<b>CBe</b>	Blackwell, Chris	<b>PHa</b>	Harfield, Paul	<b>C&amp;JP</b>	Pope, Colin & Jillie
<b>DBw</b>	Blackwell, David	<b>DH</b>	Hoare, Dan	<b>HPr</b>	Pratt, Hazel
<b>JB1</b>	Bloss, Juliet	<b>JHo</b>	Hobson, Jim	<b>A&amp;HPr</b>	Pratt, Hazel & Alec
<b>ABo</b>	Bolton, Andy	<b>DHo</b>	Holland, David	<b>IP</b>	Pratt, Ian
<b>ABr</b>	Brace, Andrew	<b>JH</b>	Hughes, Jan	<b>BP</b>	Proctor, Barry
<b>PDB</b>	Brock, Paul	<b>PHun</b>	Hunt, Peter	<b>TRa</b>	Rackham, Tony
<b>AHB</b>	Brookes, Andrew	<b>BI</b>	Inwood, Belinda	<b>SRe</b>	Read, Stuart
<b>GB</b>	Broughton, Geraldine	<b>AMJ</b>	James, Tony	<b>PR1</b>	Ridout, Peter
<b>BTO</b>	BTO Garden Bird Watch	<b>PJ</b>	Jeffreys, Penny	<b>JR</b>	Rowell, John
<b>TB</b>	Bumfrey, Trevor	<b>GRCJ</b>	Jones, Geoff	<b>JRu</b>	Ruppersbery, John
<b>AB</b>	Butler, Andy	<b>TJ</b>	Jones, Techer	<b>Mh</b>	Shaft, Matthew
<b>ABut</b>	Butterworth, Alan	<b>TK</b>	Knight, Tim	<b>RSk</b>	Skinner, Rob
<b>BCa</b>	Carpenter, Ben	<b>DLa</b>	Lambert, David	<b>ACS</b>	Smallbone, AC
<b>RJC</b>	Carpenter, Richard	<b>RLa</b>	Lang, Robin	<b>TS</b>	Smalley, Thelma
<b>JHC</b>	Clarke, Juliane H	<b>CLa</b>	Langdon, Christine	<b>LS</b>	Smith, Linda
<b>RACC</b>	Cobb, Chris	<b>NLa</b>	Lawrence, Nick	<b>JSo</b>	Solomon, John
<b>CBC</b>	Collins, Barry	<b>MLe</b>	Ledeboer, Maarten	<b>RS1</b>	Stapley, Richard
<b>SC</b>	Corbett, Stuart	<b>RKL</b>	Levett, Richard	<b>SS</b>	Stileman, Sue
<b>GC</b>	Coster, Gordon	<b>JL</b>	Lincoln, Jill	<b>J&amp;RS</b>	Stobart, R&J
<b>ZC</b>	Cox, Zoe	<b>RL1</b>	Lloyd, Robert	<b>AS1</b>	Stockert, Andy
<b>DD</b>	Danahar, Dan	<b>DL0</b>	Lowe, David	<b>PJS</b>	Strangeman, PJ
<b>SDa</b>	Davies, Sue	<b>JM</b>	Mallett, Jenny	<b>RSy</b>	Symonds, Richard
<b>GJD</b>	Dennis, Graham	<b>LMa</b>	Mansfield, Lyn	<b>RoSy</b>	Symonds, Roy
<b>RJD</b>	Dickson, Richard	<b>SMa</b>	Mansfield, Steve	<b>D&amp;JT</b>	Thomas, Dave & Julie
<b>CD</b>	Dudley, Caroline	<b>A&amp;KM</b>	Marston, Anne & Keith	<b>AT</b>	Thornbury, Alan
<b>VD</b>	Dudley, Victoria	<b>KMa</b>	Marston, Keith	<b>DJAT</b>	Tinling, David
<b>CAD</b>	Dursley, Christopher, A H	<b>ACM</b>	McCue, Anne	<b>MTU</b>	Tutton, Mark
<b>PE</b>	Eeles, Peter	<b>DMc</b>	McElhenney, David	<b>JVe</b>	Vetterlein, John
<b>JE1</b>	Elder, John	<b>AMk</b>	Mckee, Ailsa	<b>DWa</b>	Wallace, David
<b>CEv</b>	Evans, Christine	<b>AMc</b>	McVittie, Alan	<b>MW</b>	Ward, Marcus
<b>GCE</b>	Evans, Glynnne C	<b>DMe</b>	Mears, David	<b>KW</b>	Wheeler, Keith
<b>SLE</b>	Evans, Sheila	<b>DM</b>	Mitchell, Di	<b>SWh</b>	White, Steve
<b>P&amp;AE</b>	Ewer, Peter & Angela	<b>JRM</b>	Moon, John	<b>AW</b>	Whitlock, Ashley
<b>AGF</b>	Filbee, Tony	<b>J&amp;JM</b>	Moon, John & Julie	<b>RWb</b>	Whitmarsh, Bob
<b>KFI</b>	Fisher, Keith	<b>JNo</b>	Noble, Jill	<b>RoW</b>	Williams, Rosy
<b>LF</b>	Fomison, Lynn	<b>DN</b>	Nordell, D	<b>JWo</b>	Wood, Jan
<b>KF</b>	Freeborn, Kevin	<b>TN&amp;LF</b>	Norriss, Tim & Fomison, L	<b>SW</b>	Woodd, Sue
<b>EFr</b>	Frost, Ern	<b>JN</b>	Nundy, John	<b>KWo</b>	Woodford, Kevin
<b>PGa</b>	Gammage, Peter	<b>MRO</b>	Oates, Matthew	<b>AWr</b>	Wright, Adam
<b>MJG</b>	Gibbons, Mike	<b>IOu</b>	Outlaw, Iain		

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*Holly Blue: Paul Brock*

# MOTH SUMMARY 2014

## Compiled by Mike Wall

The following is a summary of significant sightings in a vice-county or county context. Some 113,000 records were submitted for 2014, a terrific return for what was in many respects only an average year for moth-ers in the two counties.



*Chalk Carpet: Tim Norriss*

## Notes

- All records are of single adult moths, and to MV trap, unless otherwise stated.
- New 10-km square records are indicated by an asterisk (\*) after the site name.
- For brevity, the following authorities have been abbreviated where needed: Denis & Schiffmüller to D.& S., Herrich-Schäffer to H-S, Duponchel to Dup. and Linnaeus to L.

### The general criteria for inclusion are as follows:

- scarce species at vice-county level;
- less than 25 county records;
- other notable records, such as significant range expansion.



# SYSTEMATIC LIST

## NEW COUNTY AND VICE-COUNTY RECORDS

### Incurvariidae

**0131 *Incurvaria oehmanniella*** (Hübner, 1796)

**VC10: NEW COUNTY RECORD.** Firestone Copse, one, by day, 19 May (JRL, MRY, JEY, DTB)

### Tineidae

**0244 *Tinea flavescens*** (Haworth, 1828)

**VC11: NEW COUNTY RECORD.** Braishfield: Hillier Plant Centre, two adults flying around boxes of bone meal fertiliser, later dissected, 15 April (BE)

### Lyonetiidae

**0262 *Lyonetia prunifoliella*** (Hübner, 1796)

**VC11: NEW COUNTY RECORD.** Southsea, 7 August (IRT)

### Gracillariidae

**0366b *Phyllocnistis citrella*** (Stainton, 1856)

**VC11: NEW COUNTY RECORD.** Asda, Chandlers Ford, mines found in supermarket on Citrus leaves. All mature with folds on edge of leaf for pupation. Collected, but probably all dead with cold, 15 March (BE)

### Choreutidae

**0386 *Tebenna micalis*** (Mann, 1857)

**VC10: NEW COUNTY RECORD.** Newtown - Clamerkin Farm, one, by day – swept from Common Fleabane, 23 July (SRP)

**VC11: NEW COUNTY RECORD.** Botley Wood, one, by day, 7 September (DPH)

### Yponomeutidae

**0469 *Eidophasia messingiella*** (Fischer von Röslerstamm, 1840)

**VC10: NEW COUNTY RECORD.** Hungerberry Close, Shanklin, two, 24 June (IOu)

### Gelechiidae

**0746 *Chrysoesthia drurella*** (Fab., 1775)

**VC10: NEW COUNTY RECORD.**

Freshwater, 8 June (DC, photo right)

**0825a *Tuta absoluta*** (Meyrick, 1917)

**VC11: NEW COUNTY RECORD.**

Southsea, 31 August (JRL)

**0846 *Syncopacma vinella*** (Banks, 1898)

**VC10: NEW COUNTY RECORD.**

Undisclosed site on the Isle of Wight, 21 and 23 June 2013, several larvae on *Genista tinctoria* including small spinnings and mined leaves. Bred, emerging between 28 June and 16 July 2013.



## Cosmopterigidae

**0894 *Cosmopterix zieglerella*** (Hübner, 1810)

**VC10: NEW COUNTY RECORD.** Alverstone, several vacant mines in leaves of *Humulus lupulus* beside the road, 20 September (PBa conf. MJW, photo right)



## Tortricidae

**1013 *Olindia schumacherana*** (Fab., 1787)

**VC10: NEW COUNTY RECORD.** Shanklin, 10 June (IOu)

**1052 *Acleris umbrana*** (Hübner, 1799)

**VC10: NEW COUNTY RECORD.** Mark's Corner, 7 November (IM det. MJW)

**1118 *Ancylis uncella*** ([Denis & Schiffermüller], 1775)

**VC10: NEW COUNTY RECORD.** Bouldnor Copse, one, by day, 25 May (DC)

**1144 *Epinotia signatana*** (Douglas, 1845)

**VC10: NEW COUNTY RECORD.** Tennyson Down NT, 25 June (SRP gen.det. MJW)

## Crambidae

**1404 *Hymenia recurvalis*** (Fabricius, 1775)

**VC12: NEW VICE-COUNTY RECORD.** Leckford, 31 October (GCE)

## Noctuidae

**2447 *Scarce Silver Y* *Syngrapha interrogationis*** (Linnaeus, 1758)

**VC10: NEW COUNTY RECORD.** Totland, 25 July (SAK-J)

## SYSTEMATIC REVIEW

### Micropterigidae

**0003 *Micropterix aureatella*** (Scopoli, 1763)

**VC11:** Wick Wood, Acres Down, one freshly emerged on bilberry, 18 May (TJN)

### Eriocraniidae

**0009 *Eriocrania sparmannella*** (Bosc, 1791)

**VC10:** Freshwater, tenanted mines on *Betula* sp., 15 June (DTB)

**0010 *Eriocrania salopiella*** (Stainton, 1854)

**VC10:** Firestone Copse, mine with larva on *Betula*, 19 May (JRL, MRY, JEY, DTB)

**VC11:** Ringwood Forest: Whitefield Bottom, 10, by day, 8 April (TM); Botley Wood, mines, several with larvae, *Betula*, 13 May (JRL, RJD, IRT); Merritown Heath, a few vacated mines on *Betula* sp., 7 June (JRL, DJLA, PHS)

### Nepticulidae

**0019 *Bohemannia quadrimaculella*** (Boheman, 1851)

**VC12:** Greywell Fen, adults swept from alders, 23 July (GAC) – 2<sup>nd</sup> VC record.

**0021 *Ectoedemia sericopeza*** (Zeller, 1839)

**VC11:** Southsea, 25 July (JRL)

**0023 *Ectoedemia argyropeza*** (Zeller, 1839)

**VC11:** Havant Thicket, tenanted mine on *Populus tremula*, 7 October (JRL, MRY); Peartree Green, Southampton, two mines with larvae, *Populus tremula*, 31 October (JRL, BE)

**0030 *Ectoedemia arcuatella*** (Herrich-Schäffer, 1855)

**VC11:** Hen Wood, East Meon, several mines with larvae, *Fragaria vesca*, 8 October (JRL, MRY)

**0031 *Ectoedemia rubivora*** (Wocke, 1860)

**VC11:** Hen Wood, East Meon, several mines with larvae, *Rubus caesius*, 8 October (JRL, MRY)

**0039 *Ectoedemia heringi*** (Toll, 1934)

**VC10:** Millennium Green, Ryde, mine with dead larva on *Quercus robur* (a very early date), 24 August (DTB) – third county record.

**0074 *Stigmella assimilella*** (Zeller, 1848)

**VC11:** Staunton Country Park, several vacated mines, *Populus canescens*, 4 November (JRL, IRT); Havant Thicket, three mines, two with larvae, *Populus tremula*, 7 October (JRL, MRY)

**VC12:** Smithleys Copse, Axmansford, mine on Aspen, 18 October (ABo det. GJD)

**0097 Apple Pygmy *Stigmella malella*** (Stainton, 1854)

**VC11:** Wickham Common, vacated mine on *Malus domestica*, 8 October (JRL, MRY); Peartree Green, Southampton, a few mines, some with larvae, *Malus domestica*, 31 October (JRL, BE)

**0110 *Stigmella betulicola*** (Stainton, 1856)

**VC11:** South Gorley, mine, 2 August (Scott Hackett); Emer Bog, mines, 17 October (BE)

**0115 *Stigmella alnetella*** (Stainton, 1856)

**VC11:** Broadlands Lakes, a few mines, some with larvae, *Alnus glutinosa*, 23 October (JRL, BE)

## Opostegidae

**0119 *Opostega salaciella*** (Treitschke, 1833)

**VC10:** Hungerberry Close, Shanklin, 7 July and another, 13 July (IOu) – the third and fourth county records.

## Tischeriidae

**0127 *Emmetia angusticollella*** (Duponchel, 1843)

**VC10:** Mill Copse, vacated mines on Dog Rose, 6 November (SRP, DTB)

## Incurvariidae

**0131 *Incurvaria oehlmanniella*** (Hübner, 1796)

**VC10:** See New County Records above.

**0132 *Incurvaria praelatella*** ([Denis & Schiffermüller], 1775)

**VC11:** Botley Wood, 17 June (MLO, KW)

**0138 *Lampronia fuscataella*** (Tengström, 1848)

**VC11:** Dibden Bay, one, by day, 31 May (Ian Staples)

**0145 *Nemophora minimella*** ([Denis & Schiffermüller], 1775)

VC12: Noar Hill, two, by day, 26 June (MJW, photo below), another on 13 July (DAS)



**0146 *Nemophora cupriacella*** (Hübner, 1819)

VC10: Ningwood Common HIWWT reserve, one, by day, 23 July (MCH); Walter's Copse NT, 8 August (SRP) – second and third county records.

## Heliozelidae

**0156 *Heliozela reSRPendella*** (Stainton, 1851)

VC11: Broadlands Lakes, a few mines, *Alnus glutinosa*, 23 October (JRL, BE)

## Psychidae

**0182 *Bankesia conspurcatella*** (Zeller, 1850)

VC11: Warsash, recorded by day between 10 and 19 March in Julia Rose's garden; also up to 16 larval cases on telegraph pole during this period (DPH).

**0192 *Pachythelia villosella*** (Ochsenheimer, 1810)

VC11: Cranes Moor, NF, one case, 22 July (PDB)

## Tineidae

**0196 *Morophaga choragella*** ([Denis & Schiffermüller], 1775)

VC10: Afton Marsh, 26 June (JHC) – the fourth county record.

**0219 *Nemapogon ruricolella*** (Stainton, 1849)

VC11: Southsea, first for the garden, 22 June, also 13 and 18 July (IRT)

**0225 *Triaxomera fulvimitrella*** (Sodoffsky, 1830)

VC10: Wheeler's Bay, 21 June (AB)

**0231 *Monopis imella*** (Hübner, 1813)

VC11: Southsea, 18 and 28 July (JRL)

**0239 *Tinea columbariella*** (Wocke, 1877)  
VC11: Funtley, gen.det, 4 September (MLO det. RJD)

**0244 *Tinea flavescentella*** (Haworth, 1828)  
VC11: See New County Records above.

### Lyonetiidae

**0262 *Lyonetia prunifoliella*** (Hübner, 1796)  
VC11: See New County Records above.

### Gracillariidae

**0285 *Azalea Leaf Miner Caloptilia azaleella*** (Brants, 1913)  
VC10: Wilton Rd, Shanklin, 26 July (Ian Boyd det. TJN)

**0318 *Phyllonorycter tenerella*** (Joannis, 1915)  
VC11: Bournemouth, mine, 17 October (DGE) – the third vice-county record.

**0344 *Phyllonorycter strigulatella*** (Lienig & Zeller, 1846)  
VC11: Hen Wood, East Meon, many mines on *Alnus incana*, 8 October (JRL, MRY)

**0354 *Phyllonorycter emberizaepenella*** (Bouché, 1834)  
VC11: Ashurst, NF, 25 July (KG)

**0366b *Phyllocnistis citrella*** (Stainton, 1856)  
VC11: See New County Records above.

### Sesiidae

**0371 *Lunar Hornet Moth Sesia bembeciformis*** (Hübner, 1806)  
VC10: Arreton Cross, one, by day, 5 July (Ian Boyd, photo below)  
VC11: Merritown Heath, single boring in felled stump of *Salix* sp., 7 June (JRL, DJLA, PHS)



**0373 Currant Clearwing *Synanthedon tipuliformis*** (Clerck, 1759)

VC11: Fareham, one, by day, 9 June (ADT)

**0374 Yellow-legged Clearwing *Synanthedon vespiformis*** (Linnaeus, 1761)

VC11: Denny Wood, NF, egg-laying female on small Goat Moth oak trunk, 12 August (PDB)

**0377 Sallow Clearwing *Synanthedon flaviventris*** (Staudinger, 1883)

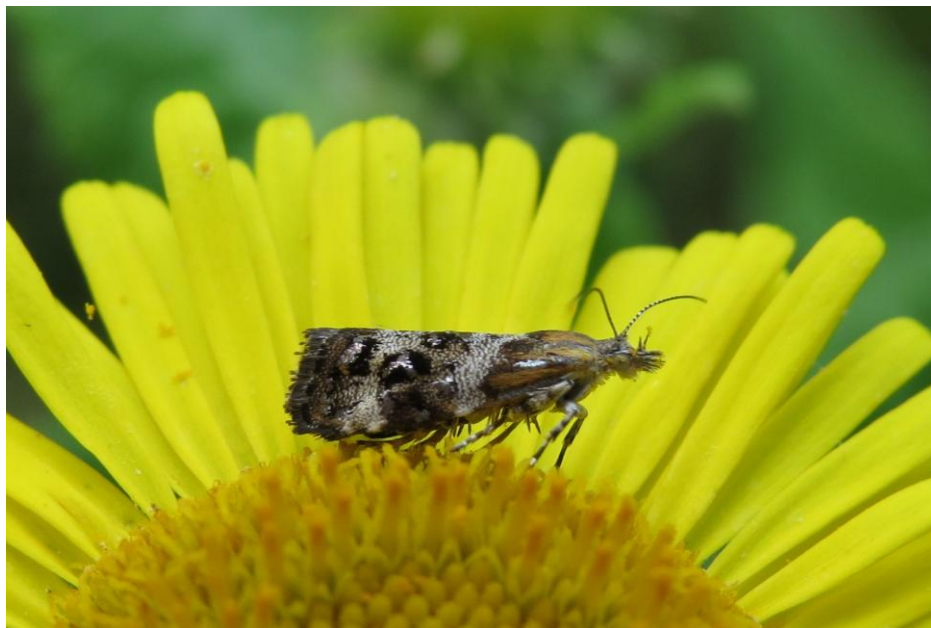
VC12: Bransbury Common, one to TIP pheromone, 21 June (TJN, LF)

## Choreutidae

**0386 *Tebenna micalis*** (Mann, 1857)

VC10: See New County Records above (photo below, DPH). Also recorded from: Shanklin, 20 September (IOu)

VC11: See New County records above. Also recorded from: Ashurst, NF, 20 September (KG); Milton, Portsmouth, one, by day, 26 September (SB); Funtley, 1 October (MLO); South Brockenhurst, NF, 26 October (RBW)



## Yponomeutidae

**0416 *Argyresthia glaucinella*** (Zeller, 1839)

VC11: Funtley, 16 July (MLO det. RJD); West Walk, two, 18 July (F.M.G.)

**0423 *Argyresthia semitestacella*** (Curtis, 1833)

VC11: Ravens Nest Inclosure, NF, three tapped from mature Beech trees, 11 August (MBa)

VC12: Cholderton, 30 August (TJN, LF, HE det. TJN)

**0431 *Yponomeuta sedella*** (Treitschke, 1832)

VC10: Bonchurch Landslip, 20 July (RWi) – fourth county record.

**0437 *Swammerdamia caesiella*** (Hübner, 1796)

**VC10:** Totland, 1 July (SAK-J) – fourth county record.

**0469 *Eidophasia messingiella*** (Fischer von Röslerstamm, 1840)

**VC10:** See New County Records above.

## Epermeniidae

**0484 *Epermenia aequidentellus*** (Hofmann, 1867)

**VC11:** Southsea, 23 May (IRT); 14 June (JRL)

## Coleophoridae

**0487 *Metriotes lutarea*** (Haworth, 1828)

**VC10:** Firestone Copse, one, by day, 19 May (JRL, MRY, JEY, DTB) – the third county record.

**0496 *Coleophora milvipennis*** (Zeller, 1839)

**VC11:** Emer Bog, cases, 17 October (BE)

**0503 *Coleophora fuscocuprella*** (Herrich-Schäffer, 1885)

**VC11:** Emer Bog, cases, 17 October (BE)

**0521 *Coleophora conyzae*** (Zeller, 1868)

**VC11:** Titchfield Haven NNR, female gen.det. RJD, 11 July (F.M.G.)

**0532 *Coleophora albidella*** ([Denis & Schiffermüller], 1775)

**VC12:** Deadwater Valley, Bordon, 15 June (NJM); Sherborne St John, 15 and 16 June (NJM det. JHC)

**0535 *Coleophora ibipennella*** (Zeller, 1849)

**VC11:** Strouden Park, Bournemouth, 17 July (DGE det. Barry Dickerson)

**0537 *Coleophora kuehnella*** (Goeze, 1783)

**VC10:** Newtown Meadows NNR, case on *Quercus robur*, 16 May (DTB) – the third county record.

**0541 *Coleophora pyrrhulipennella*** (Zeller, 1839)

**VC11:** Shatterford Bottom, NF, 23 June (PGC gen.det.); E. of Smugglers Road, Vales Moor, NF, case, 30 July (MSP)

**0547 *Coleophora discordella*** (Zeller, 1849)

**VC10:** Newtown Meadows NNR, case, 5 June (MSP, TJN et al det. MSP)

**VC11:** Portsdown, case on *Lotus corniculatus*, 21 May (JRL, MRY, JY)

**VC11:** Old Winchester Hill, male, 25 July (F.M.G. gen.det. RJD)

**0550 *Coleophora silenella*** (Herrich-Schäffer, 1855)

**VC11:** Portsdown, case on *Silene inflata*, 15 August (JRL)

**0552 *Coleophora lassella*** (Staudinger, 1859)

**VC11:** Southsea, 6 June (JRL gen.det.); West Walk, male, 18 July (F.M.G. gen.det. RJD)

**0565 *Coleophora saxicolella*** (Duponchel, 1843)

**VC11:** Ashurst, NF, 1 August (KG); Southsea, singles, 15, 18 and 19 July (IRT gen.det.)

**VC12:** Alton, 31 July (DBO gen.det. BGo)

**0566 *Coleophora sternipennella*** (Zetterstedt, 1839)

**VC11:** The Holt, nr Upham, female, 5 August (RJD gen.det.); Southsea, male, 6 August (IRT gen.det.)

**0569 *Coleophora squamosella*** (Stainton, 1856)

VC11: Oxenbourne NR, three cases among seedheads of *Erigeron acer*, 26 September (JRL) – the fourth county record.

**0575 *Coleophora salinella*** (Stainton, 1859)

VC11: Southsea, male, 25 July (IRT gen.det.)

**0578 *Coleophora otidipennella*** (Hübner, 1817)

VC11: Botley Wood, male, 2 May (F.M.G. gen.det. RJD); Denny Wood, NF, one netted, 5 May (RJD gen.det.)

**0586 *Coleophora adjunctella*** (Hodgkinson, 1882)

VC11: Southsea, female, 6 June (IRT gen.det.); male, 18 July (JRL gen.det.)

## Elachistidae

**0592 *Stephensia brunnichella*** (Linnaeus, 1767)

VC11: Old Winchester Hill NNR, four in water trough, 19 May (RJD); Hen Wood, East Meon, one, by day, 21 May (JRL, MRY, JY)

**0617 *Elachista obliquella*** (Stainton, 1854)

VC11: West Wood, two small larvae in leaves of *Brachypodium sylvaticum*, 15 April (BE)

**0625 *Biselachista cinereopunctella*** (Haworth, 1828)

VC11: West Wood, a few mines on *Carex flacca*, 15 April (BE)

**0627 *Biselachista scirpi*** (Stainton, 1887)

VC11: Southsea, 18 July (IRT)

**0633 *Cosmiotes stabilella*** (Stainton, 1858)

VC11: Southsea, 18 July (IRT)

**0637 *Crassa tinctella*** (Hübner, 1796)

VC12: Harewood Forest, 31 May (GCE)

**0642a *Metalampra italica*** (Baldizzone, 1977)

VC11: Hillier Arboretum, 11 July (TJN, BG, LF det. TJN); Southsea, 12 July (JRL); Knatchbull Close, 20 July (SAB); Ashurst, NF, 25 July and two next day (KG); Romsey, one, dead, 8 August (MBa conf. MJW)

**0653 *Aplota palpella*** (Haworth, 1828)

VC11: Spearywell Wood Yard, 26 July (JAG det. MJW, photo right) – the fifth county record.

**0662 *Pseudatemelia***

***subochreella*** (Doubleday, 1859)

VC11: Ravens Nest Inclosure, NF, 20, knocked from trees, 3 June (MBA gen.det. MJW)

**0671 *Depressaria ultimella***

(Stainton, 1849)

VC11: Ashurst, NF, 5 May (KG)

VC12: Sherborne St John, 23 July

(NJM)





**0682 *Depressaria chaerophylli*** (Zeller, 1839)

**VC12:** Stockbridge Down, 30 March (JA det. GCE); Little Somborne, 30 March (JA det. GCE); Leckford, 2 April (GCE); Bradley Wood, 3 April (GCE); Basingstoke, 14 April (MJW)

**0700 *Agonopterix pallorella*** (Zeller, 1839)

**VC10:** Afton Down, 1 October (DW, REJ)

**0703 *Agonopterix atomella*** ([Denis & Schiffermüller], 1775)

**VC10:** Newtown Meadows NNR, a few larvae on *Genista tinctoria*, bred by MRY, emerged 22 June onwards, 19 May (JRL, MRY, DTB det. JRL, MRY); 5 June (MSP, TJN et al det. MSP)

**VC11:** Park Shore, Beaulieu, three larvae spinings on *Genista tinctoria*, emerged 29 June and 5 July, 28 May (BE, BG) – the fourth county record.

**0705 *Agonopterix umbellana*** (Fabricius, 1794)

**VC10:** Luccombe Down, 2 September (RWi)

**VC11:** Merritown Heath, 15 August (DF)

**0716 *Agonopterix rotundella*** (Douglas, 1846)

**VC10:** Rocken End, 23 September (PBa)

## Gelechiidae

**0725 *Metzneria aestivella*** (Zeller, 1839)

**VC10:** Broad Lane Lime Quarry, nr Shalcombe, IoW, one, by day, 3 July (TJN, LF, DC)

**0727a *Metzneria aprilella*** (Herrich-Schäffer, 1854)

**VC11:** West Meon, 29 May and four on 24 June (F.M.G.)

**0729 *Isophrictis striatella*** ([Denis & Schiffermüller], 1775)

**VC11:** Southsea, 18 July (IRT)

**0732 *Eulamprotes unicolorella*** (Duponchel, 1843)

**VC11:** Old Winchester Hill NNR, 13 June (F.M.G. det. RJD)

**0734 *Argolamprotes micella*** ([Denis & Schiffermüller], 1775)

**VC11:** Chandlers Ford, 23 June (BE) – the third county record.

**0736 *Monochroa lucidella***

(Stephens, 1834)

**VC12:** Basingstoke, 11 and 23 July (MJW, photo right)

**0746 *Chrysoesthia drurella***

(Fabricius, 1775)

**VC10:** See New County Records above.

**0747 *Chrysoesthia sexguttella***

(Thunberg, 1794)

**VC11:** Stoke, Hayling, a few mines with larvae, *Atriplex* sp., 16 September (JRL, SMP, IRT)



**0753 *Aristotelia brizella*** (Treitschke, 1833)

**VC10:** Walter's Copse NT, one, by day spotted flying low on saltmarsh and swept, 4 August (SRP)

**0756 *Parachronistis albiceps*** (Zeller, 1839)

**VC10:** Walter's Copse NT, 22 June (SRP) – the second county record.

**0762 *Athrips mouffetella*** (Linnaeus, 1758)

VC10: America Wood, 22 July (IOu)

**0768 *Carpatolechia notatella*** (Hübner, 1813)

VC11: Titchfield Haven NNR, three, 6 June (F.M.G. gen.det. RJD)

**0777 *Bryotropha basaltinella*** (Zeller, 1839)

VC11: Southsea, 12 July (JRL) – the third county record.

**0793 *Mirificarma lentiginosella*** (Zeller, 1839)

VC10: Newtown Ranges, a few larvae on *Genista tinctoria*, emerged 11 August, 19 May (JRL, MRY, DTB det. JRL)

VC11: Stoke, Hayling, larva, emerged 12 June, 20 May (JRL, MRY, JY); Park Shore, Beaulieu, many larval spinings on *Genista tinctoria*, 28 May (BE)

**0815 *Scrobipalpa nitentella*** (Fuchs, 1902)

VC11: Horsea Island, Portsmouth, 20 June (F.M.G. gen.det. RJD); Titchfield Haven NNR, female, 11 July (F.M.G. gen.det. RJD)

**0825a *Tuta absoluta*** (Meyrick, 1917)

VC11: See New County Records above.

**0840 *Thiotricha subocellea*** (Stephens, 1834)

VC10: Bonchurch Landslip, 29 June (RWi det. MJW) – second county record.

**0846 *Syncopacma vinella*** (Bankes, 1898)

VC10: See New County Records above. In 2014, four larvae found on Dyer's Greenweed: adults emerged 23 June, 25 June and 3 July, 5 June (MSP, TJN et al det. MSP); several larvae on *G. tinctoria* including small spinings and mined leaves, 25 June (SDB, RJH et al det. SDB, RJH)

**0857 Peach Twig Borer *Anarsia lineatella*** (Zeller, 1839)

VC11: Southsea, 23 and 29 June (IRT)

**0861 *Acompsia schmidtellus*** (Heyden, 1848)

VC10: Bonchurch Landslip, 13 July (RWi)

VC11: Old Winchester Hill, 25 July (F.M.G.)

**0878 *Batrachedra praeangusta*** (Haworth, 1828)

VC10: Hungerberry Close, Shanklin, 19 July (IOu); Newtown - Shalfleet Quay & Fen, two, by day - running up and down trunk of Goat Sallow whilst observer was sheltering from rain shower, 2 August (SRP)

## Momphidae

**0880 *Mompha langiella*** (Hübner, 1796)

VC12: Thatchers, Axmansford, 31 May (ABo det. GJD)

VC10: Freshwater, vacated mines on *Circaea lutetiana*, 15 June (DTB) – the third county record.

## Cosmopterigidae

**0894 *Cosmopterix zieglerella*** (Hübner, 1810)

VC10: See New County Records above.

**0897 *Cosmopterix lienigiella*** (Lienig & Zeller, 1846)

VC10: Afton Marsh, very common, 3 July (BE)

**0903 *Chrysoclista linneella*** (Clerck, 1759)

VC11: Fairthorne Manor YMCA, found on underside of leaf of lime (*Tilia* sp.), 18 June (RJD)

## Scythrididae

**0915 *Scythris picaepennis*** (Haworth, 1828)

**VC11:** Old Winchester Hill NNR, male, 13 June (F.M.G. gen.det. JRL); female, swept, 14 July (RJD gen.det.)

## Tortricidae

**0929 *Gynnidomorpha vectisana*** (Humphreys & Westwood, 1845)

**VC10:** Newtown Ranges, one, by day, 19 May (JRL, MRY, DTB det. MRY); Cassey Lake, Newtown, one, by day, 4 July (TJN, LF, DC)

**0931 *Gynnidomorpha luridana*** (Gregson, 1870)

**VC12:** Sherborne St John, 31 August (NJM)

**0941 *Aethes hartmanniana*** (Clerck, 1759)

**VC11:** Portsdown, one, by day, 21 May (JRL, MRY, JY); Old Winchester Hill, 25 July (F.M.G.)

**0949 *Aethes dilucidana*** (Stephens, 1852)

**VC10:** Arreton, one, by day, 6 July (TJN, LF, DC)

**VC11:** Old Winchester Hill NNR, 25 July (F.M.G.)

**0951 *Aethes beatricella*** (Walsingham, 1898)

**VC11:** Southsea, male, 15 June (IRT gen.det.)

**0952 *Commophila aeneana*** (Hübner, 1800)

**VC10:** Newtown NNR, one, by day, 21 June (SRP) – second county record.

**VC12:** Down Grange, Basingstoke, one, by day, 31 May and 1 June (PDF)

**0955 Vine Moth *Eupoecilia ambiguella*** (Hübner, 1796)

**VC11:** Horsea Island, two, 23 May (F.M.G. det. RJD); Sway, two, 22 July (Ske)

**0960 *Falseuncaria ruficiliana*** (Haworth, 1811)

**VC12:** Noar Hill, one, by day, 24 April (MDu det. MJW)

**VC11:** West Meon, 6 May and 24 June (F.M.G.); Old Winchester Hill NNR, one, netted, 23 June (RJD)

**0981 Rose Tortrix *Archips rosana*** (Linnaeus, 1758)

**VC10:** Plaish, 26 July (Kevin Rylands)

**0987 *Ptycholomoides aeriferanus*** (Herrich-Schäffer, 1851)

**VC10:** Briddlesford Copse, 3 July (IOu, JHa, IM, CDu) – third county record.

**0988 Bilberry Tortrix *Aphelia viburnana*** ([Denis & Schiffermüller], 1775)

**VC11:** Ocknell Plain, New Forest, three, by day, 10 July (MSP)

**1013 *Oliodia schumacherana*** (Fabricius, 1787)

**VC10:** See New County Records above. Also recorded at: Shanklin, 17 June, 15 September (IOu); Briddlesford Copse, 3 July (IOu, JHa, IM, CDu)

**1015 *Eulia ministrana*** (Linnaeus, 1758)

**VC10:** Firestone Copse, one, by day, 19 May (JRL, MRY, JEY, DTB)

**1022a *Cnephasia pumicana*** (Zeller, 1847)

**VC11:** Funtley, 13 July (MLO gen. det. RJD)

**1027 *Neosphaleroptera nubilana*** (Hübner, 1799)

**VC11:** Horsea Island, Portsmouth, two males, 20 June (F.M.G. gen. det. RJD); Horsea Island, two, 20 June (F.M.G.)

**1052 *Acleris umbrana*** (Hübner, 1799)

**VC10:** Mark's Corner, 7 November (IM det. MJW)

**VC11:** Southsea, 14 July (IRT); Pennington, 24 October (RFC det. MJW); South Brockenhurst, NF, 28 October (RBW)

**1055 *Acleris hyemana*** (Haworth, 1811)

**VC11:** Holbury, Southampton, 18 October (JC, JSp)

**1101 *Endothenia ustulana*** (Haworth, 1811)

**VC12:** Harewood Forest, 10 July (GCE); Andover, two, by day, 13 June (GSD)

**1111a *Bactra lacteana*** (Caradja, 1916)

**VC11:** Southsea, 13 August (JRL)

**1118 *Ancylis uncella*** ([Denis & Schiffermüller], 1775)

**VC10:** See New County Records above.

**VC11:** Wick Wood NF, 7 June (MT); Shatterford Bottom, NF, 23 June (PGC)

**1122 *Ancylis obtusana*** (Haworth, 1811)

**VC11:** Botley Wood, 20 May (MLO, KW gen.det. RJD); West Walk, two males, 27 June (MLO, KW gen. det. RJD)

**1134 *Epinotia ramella*** (Linnaeus, 1758)

**VC10:** Fort Victoria, 21 August (SRP det. MJW)

**1138a *Epinotia cinereana*** (Haworth, 1811)

**VC11:** Botley Wood, six to malaise trap, 18, 20, 21 and 24 July (KW gen. det. RJD)

**1144 *Epinotia signatana***

(Douglas, 1845)

**VC11:** Stubbington, 13 June (DPH, photo right)

**VC10:** See New County Records above.

**1150 *Epinotia abbreviana***

(Fabricius, 1794)

**VC11:** Frater DSDA, Foxbury Corner, Gosport, two typical larval feeding holes in elms including experimental hybrid, 21 June (RJD)



**1163 Spruce Bud Moth *Zeiraphera ratzeburgiana*** (Ratzeburgh, 1840)

**VC11:** Merritown Heath, 12 July (DF) , 23 July (DGE det. PHS)

**VC12:** Sherborne St John, 23 July (NJM)

**1193 *Eucosma tripoliana*** (Barrett, 1880)

**VC11:** Southsea, 4 August (IRT)

**1200b *Eucosma fulvana*** (Stephens, 1834)

**VC11:** West Meon, two, 29 May (F.M.G.)

**VC12:** Leckford, 11, 21 July (GCE)

**1204 *Thiodia citrana*** (Hübner, 1799)

**VC11:** Southsea, 22 June (IRT)

**1212 Spotted Shoot Moth *Rhyacionia pinivorana*** (Lienig & Zeller, 1846)

**VC10:** Shanklin, 1 June (IOu); Shanklin Upper Chine, 8 June (IOu) – the second and third county records.

- 1221 *Strophedra weirana*** (Douglas, 1850)  
**VC10:** Freshwater, 5 June (DC)
- 1227 *Pammene giganteana*** (Peyerimhoff, 1863)  
**VC11:** Titchfield Common, one, indoors, 18 March (DWal)
- 1232 *Pammene populana*** (Fabricius, 1787)  
**VC11:** Titchfield Haven NNR, two, 15 August (F.M.G. det. RJD)
- 1235 *Pammene trauniana*** ([Denis & Schiffmüller], 1775)  
**VC11:** Hillier Arboretum, 11 July (TJN, BG, LF det. BG)
- 1237 *Pammene germana*** (Hübner, 1799)  
**VC10:** Shanklin Upper Chine, 25 May (IOu); Shanklin, 7 June (IOu) – second and third county records.
- 1239 Fruitlet Mining Tortrix *Pammene rhediella*** (Clerck, 1759)  
**VC11:** The Holt, nr Upham, by day, 18 May (PAB)
- 1257 Pea Moth *Cydia nigricana*** (Fabricius, 1794)  
**VC11:** Fareham, one, by day, 1 June (DPH); Hengistbury Head, 3 August (BH); Alresford, 6 August (Geoff Robinson)
- 1266a *Cydia illutana*** (Herrich-Schäffer, 1851)  
**VC11:** Botley Wood, male, 27 May (MLO, KW gen. det. RJD) – the second county record.
- 1285 *Dichrorampha plumbana*** (Scopoli, 1763)  
**VC8:** Martin, Drove End Field, 31 July (P&CA)
- Crambidae**
- 1300 *Crambus pratella*** (Linnaeus, 1758)  
**VC11:** Ashurst, NF, 10 July (KG)
- 1321 *Thisanotia chrysonuchella*** (Scopoli, 1763)  
**VC10:** Arreton Down, one, by day, 25 May (RWi)
- 1326 *Platytes cerussella*** ([Denis & Schiffmüller], 1775)  
**VC10:** Norton Spit, 16 June (SDa det. MJW)
- 1368 *Loxostege sticticalis*** (Linnaeus, 1761)  
**VC10:** Wheeler's Bay, 20 July (AB)
- 1374a *Sclerocona acutellus*** (Eversmann, 1842)  
**VC10:** Afton Marsh, four, 26 and 29 June (JHC); Afton Marsh, 3 July (BE)
- 1382 *Anania verbascalis*** ([Denis & Schiffmüller], 1775)  
**VC11:** Cadnam, 23 June (MP); Great Linford, 23 June (DW); Merritown Heath, 12 July (DF)
- 1387 *Nascia ciliaris*** (Hübner, 1796)  
**VC10:** Totland, 14 June (SAK-J); Afton Marsh, 26 June (JHC)
- 1403 *Diasemiopsis ramburialis*** (Duponchel, 1834)  
**VC10:** Totland, 9 June, 28, 29 and 30 October (SAK-J)  
**VC11:** South Brockenhurst, NF, 30 October (RBW)  
**VC12:** Abbotts Ann, 28 October (TJN)
- 1403a *Duponchelia fovealis*** (Zeller, 1847)  
**VC10:** Bonchurch, 1 September (JHa) – the second county record.  
**VC12:** Basingstoke, one, indoors, 29 January (MDu det. NJM)

**1404 *Hymenia recurvalis***

(Fabricius, 1775)

**VC12: See New Vice-county**

**Records above** (photo right, GCE)

**Pyralidae**

**1432 *Anerastia lotella*** (Hübner, 1913)

**VC10: Norton Spit, 16 June and five on 26 June (SDa)**

**1435 *Conobathra tumidana***

([Denis & Schiffemüller], 1775)

**VC10: Bonchurch, 30 August (JHa)**

**1441 *Oncocera semirubella***

(Scopoli, 1763)

**VC12: Bradley Wood, Whitchurch, 20 July (GCE)**

**1461 *Assara terebrella*** (Zincken, 1818)

**VC10: Bonchurch, 31 July (JHa) – the third county record.**



**Pterophoridae**

**1493 *Buckleria paludum***

(Zeller, 1839)

**VC11: Shatterford Bottom, 23 June (PGC); Matley Bog, one, by day, 25 July and two, by day, 1 August (PDB, photo right)**



**1494 *Capperia***

***britanniodactyla*** (Gregson, 1869)

**VC10: Hillis Gate, 5 July (IM det. TJN)**

**VC11: West Walk, 27 June (MLO, KW det. RJD); Ashurst, NF, 5 July (KG); Merritown Heath, 23 July (DGE det. MJ)**

**1507 *Stenoptilia zophodactylus*** (Duponchel, 1840)

**VC11: Old Winchester Hill NNR, female, 13 June (F.M.G. gen. det. RJD); Holbury, Southampton, 21 July and two, netted, Ashlett Creek on same date (JC, JSp)**

**Lasiocampidae**

**1642 Lappet *Gastropacha quercifolia*** (Linnaeus, 1758)

**VC10: Afton Marsh, 2 July (JHC); Totland, , 9 and 10 July (SAK-J)**

**Saturniidae**

**1643 Emperor Moth *Saturnia pavonia*** (Linnaeus, 1758)

**VC12: Newtown Common, four, by day, 24 April and two, by day – all males attracted to captive virgin female, 30 April (Tony Filbee); Elvetham Heath, larva, 15 July (Anabelle Wright det. CLB)**

## Thyatiridae

**1655 Poplar Lutestring *Tethea or*** ([Denis & Schiffermüller], 1775)

**VC10:** Briddlesford Copse, one, 3 July (IOu, JHa, IM, CDu)

**1656 Satin Lutestring *Tetheella fluctuosa*** (Hübner, 1803)

**VC11:** Wickham, 30 May, ten between 11 and 23 July (JRDS); Hen Wood, East Meon, three, 3 June (KC, KW); West Walk, eight, 27 June (MLO, KW), 16, 1 July (KC, KW); 17, 18 July (F.M.G.)

## Geometridae

**1662 Light Orange Underwing *Archiearis notha*** (Hübner, 1803)

**VC11:** Merritown Heath, one, netted, 12 April (DF)

**VC11:** Pamber Forest, one, 11 April (GJD)

**1674 Little Emerald *Jodis lactearia*** (Linnaeus, 1758)

**VC10:** Tennyson Down NT, one, to MV, 17 June (SRP); Nodewell, two, 2 July (JHC); Parkhurst Forest, four, 5 July (IOu); Hillis Gate, 5 July (IM); Bonchurch, 7 August (JHa)

**1691 Rosy Wave *Scopula emutaria*** (Hübner, 1809)

**VC10:** Norton Spit, 2 June; three, 16 June (SDa)

**1715 Plain Wave *Idaea straminata*** (Borkhausen, 1794)

**VC10:** Wheeler's Bay, 12 June (AB)

**1718 Oblique Striped *Phibalapteryx virgata*** (Hufnagel, 1767)

**VC12:** Leckford, two, 26 July (GCE)

**1721 Balsam Carpet *Xanthorhoe biriviata*** (Borkhausen, 1794)

**VC11:** Mottisfont, 14 July (GCE); West Wellow, 27 August (Sue Stileman conf. TJN)

**1735 Ruddy Carpet *Catarhoe rubidata*** ([Denis & Schiffermüller], 1775)

**VC12:** Danebury Hill, 16 July (JA)

**1736 Royal Mantle *Catarhoe cuculata*** (Hufnagel, 1767)

**VC12:** Beacon Hill, Highclere, 29 June (JA)

**1739 Wood Carpet *Epirrhoe rivata*** (Hübner, 1813)

**VC10:** Nodewell, three, 1 July; 10, 2 July (JHC); Bonchurch Landslip, 15 July (RWi)

**1748 Beautiful Carpet *Mesoleuca albicillata*** (Linnaeus, 1758)

**VC10:** Parkhurst Forest, 14 July (IM, SRP); Fort Victoria, 21 July, two, 24 July (SRP)

**VC12:** Harewood Forest, two, 22 July (GCE); Basingstoke, 4 July (GAH)

**1749 Dark Spinach *Pelurga comitata*** (Linnaeus, 1758)

**VC12:** Cholderton, 25 July (TJN, LF, HE det. TJN); Abbotts Ann, 13 August (TJN)

**1774 Beech-green Carpet *Colostygia olivata*** ([Denis & Schiffermüller], 1775)

**VC10:** Bonchurch, 10 July, 13 between 1 and 4 August, 31 August, 8 and 12 September (JHa); Bonchurch Landslip, 11 and 13 August (RWi)

**1775 Mottled Grey *Colostygia multistrigaria*** (Haworth, 1809)

**VC10:** Bonchurch, two, 5 March, singleton on 16 March (JHa); Wheeler's Bay, one, to lighted window, 7 March (AB); Bonchurch Landslip, four, 9 March (RWi)

**1790 Tissue *Triphosa dubitata*** (Linnaeus, 1758)

**VC12:** Longstock, 20 July (JA)

**1823 Netted Pug *Eupithecia venosata*** (Fabricius, 1787)

VC11: Northney, Hayling Island, 23 June (JWP)

**1840 Shaded Pug *Eupithecia subumbrata*** ([Denis & Schiffermüller], 1775)

VC10: Newtown Ranges, one, by day, 19 May (JRL, MRY, DTB)

**1841 Yarrow Pug *Eupithecia millefoliata*** (Rossler, 1866)

VC12: Basingstoke, 23 July (MJW)

**1842 Plain Pug *Eupithecia simpliciata*** (Haworth, 1809)

VC12: Sherborne St John, 22 July (NJM)

**1859 Sloe Pug *Pasiphila chloerata*** (Mabille, 1870)

VC12: Stockbridge Down, 9 June (JA)

**1863 Dentated Pug *Anticollix sparsata*** (Treitschke, 1828)

VC10: Afton Marsh, 20, 26 June (JHC)

**1864 Streak *Chesias legatella*** ([Denis & Schiffermüller], 1775)

VC12: Headley, one, by day, 19 October (ALL)

**1885 Clouded Magpie *Abraxas sylvata*** (Scopoli, 1763)

VC10: Parkhurst Forest, 5 July (IOu), 14 July (IM, SRP); Borthwood Copse, 19 July (IOu); Fort Victoria, two, to actinic - Left overnight under trees just past viewpoint towards Fort, 21 July; four, 24 July; Mill Copse, 6 August (SRP)

**1924 Orange Moth *Angerona prunaria*** (Linnaeus, 1758)

VC10: Parkhurst Forest (North), 5 July (IOu)

**1964 Annulet *Charissa obscurata*** ([Denis & Schiffermüller], 1775)

VC10: Castle Cove, Ventnor, two, 22 July (RWi); Bonchurch, 4 August (JHa); Bonchurch Landslip, 20 September (RWi)

**1969 Grey Scalloped Bar *Dyscia fagaria*** (Thunberg, 1784)

VC11: Ashurst, NF, 26 April (KG)

## Sphingidae

**1982 Narrow-bordered Bee Hawk *Hemaris tityus*** (Linnaeus, 1758)

VC10: Cranmore, one, by day, 8 June (CF det. IF)

**1973 Death's-head Hawk-moth *Acherontia atropos*** (Linnaeus, 1758)

VC11: Lepe, larva, 21 September (Faye Elvins conf. TJN)

**1985 Oleander Hawk-moth *Daphnis nerii*** (Linnaeus, 1758)

VC11: Ripley, one, by day, 1 November (Nigel Francis conf. TJN)

**1987 Bedstraw Hawk-moth *Hyles gallii*** (Rottemburg, 1775)

VC10: Pitt Street, Ryde, larva, 18 August (Steve Lockett det. JHa)

VC11: Southsea, 27 July (JRL)

VC12: Chilbolton, 31 May (GCE, photo right); Cheriton, 26 July (DAS)





**1993 Silver-striped Hawk-moth *Hippotion celerio*** (Linnaeus, 1758)

**VC10:** Hillcrest Road, Rookley, one, by day, photographed resting in lavender, 18 November (Jim Baldwin det. IOu)

## Arctiidae

**2036 Dew Moth *Setina irrorella*** (Linnaeus, 1758)

**VC10:** Totland, 19 June, 3 July (SAK-J); Nodewell, 2 July (JHC)

**VC11:** Hurst Castle, two, by day, 16 June (PDB)

**2045 Hoary Footman *Eilema caniola*** (Hübner, 1808)

**VC10:** Bembridge Fort, 2 July (IOu)

**VC11:** Holmsley NF, 23 July (RFC et al)

**VC12:** Farnborough, two, 22 June, four, 16 and 21 July, 28 August (KBW); Basingstoke, 25 June (MJW); Leckford, 21 July (GCE); Sherborne St John, two, 22 and 23 July (NJM)

## Ctenuchidae

**2073 *Antichloris viridis*** (Druce, 1884)

**VC12:** Basingstoke, one found in Ecuadorean bananas bought from Morrisons, Basingstoke, 18 October (MJW, photo below) – second vice-county record.



## Noctuidae

**2084 Light Feathered Rustic *Agrotis cinerea*** ([Denis & Schiffermüller], 1775)

**VC10:** Freshwater Cliffs, 18 May (SDa); Totland, 28 June (SAK-J)

**VC11:** Old Winchester Hill NNR, 9 May and 13 June (F.M.G.)

**VC12:** Sherborne St John, 7 June (NJM)

**2108 Lunar Yellow Underwing *Noctua orbona*** (Hufnagel, 1766)

**VC12:** Chilbolton, 14 July and 28 August (GCE)

**2114 Double Dart *Graphiphora augur*** (Fabricius, 1775)

VC12: Longstock, 1 July (GCE)

**2140 White-marked *Cerastis leucographa*** ([Denis & Schiffermüller], 1775)

VC11: Austin's Copse, nr Upham, 11 April (F.M.G.)

**2156 Beautiful Brocade *Lacanobia contigua*** ([Denis & Schiffermüller], 1775)

VC11: South Brockenhurst, NF, 30 May (RBW); Great Linford, 14 June (DW);

Woodford Bottom, NF, 3 July (Ben Coleman, Bob & Nick Cox, Craig Earl)

VC12: Fleet, one, to light, 25 June (CLB)

**2159a SRPendid Brocade *Lacanobia SRPendens*** (Hübner, 1808)

VC10: Freshwater, 24 June (Dave Wooldridge); Shanklin, 24 June and 19 July (IOu);

Totland, 25 June and 7 July (SAK-J); Nodewell, 1 July (JHC); Plaish, 25 July (Kevin

Rylands)

**2165 Small *Ranunculus Hecatera dysodea*** ([Denis & Schiffermüller], 1775)

VC11: Southsea, 12 June and

2, 25 and 27 July, 17 August

(JRL); 28 August (JGe); North

End, Portsmouth, 11 and 13 July

(Mike Wearing); Romsey, 28

August (SAB); Sholing, 4

September (ARC)

VC12: Basingstoke, 11 July and

25 September (MJW, photo

right); Elvetham Heath, 5

September (CLB); near

Micheldever Station, 14 larvae

found on prickly lettuce – the first

larvae found in Hampshire, 30

August (TJN, LF)



**2167 Tawny Shears *Hadena perplexa*** ([Denis & Schiffermüller], 1775)

VC12: Chilbolton, 7 July (GCE conf. TJN)

**2176 Antler Moth *Cerapteryx graminis*** (Linnaeus, 1758)

VC10: Shanklin, 22 July (IOu); Wroxall Copse, 23 July (RWi); Shanklin Upper Chine, 3

August (IOu); Bonchurch Landslip, 7 August (RWi); Beaper Farm, 24 August (IOu)

**2184 Northern Drab *Orthosia opima*** (Hübner, 1809)

VC12: Leckford, 2 April (GCE)

**2185 Lead-coloured Drab *Orthosia populeti*** (Fabricius, 1781)

VC10: Totland, 9 March (SAK-J)

**2200 Mathew's Wainscot *Mythimna favicolor*** (Barrett, 1896)

VC10: Norton Spit, two, 26 June (SDa)

**2201 Shore Wainscot *Mythimna litoralis*** (Curtis, 1827)

VC11: Hengistbury Head, 14 and 21 June, 10 July, 8 August (BH)

**2208 Cosmopolitan *Mythimna loreyi*** (Duponchel, 1827)

VC10: Nodewell, 1 July (JHC)

VC12: Chilbolton, 19 November (GCE)

**2226 Beautiful Gothic *Leucochlaena oditis*** (Hübner, 1822)

**VC10:** Rocken End, 17, to actinic between 18 and 23 September (PBa); Brook, 1 October (DW, REJ); Old Battery car park, two, by day (SPMC) and 31 to four traps there, 3 October (SPMC); Shepherd's Chine, two, 4 October (IOu); St. Catherine's Point, nine, 14 October (IOu, JHa, ER); Totland, 26 October (SAK-J)

**2230 Feathered Brindle *Aporophyla australis*** (Humphreys & Westwood, 1843)

**VC10:** Brook, two, 27 September (DW, REJ); Afton Marsh SSSI, 29 September (SRP, JHa); Afton Down, six, 1 October (DW, REJ); West High Down and The Needles, 3 October (SRP); Compton Chine, 3 October (SDa); Old Battery, just NW of Coastguards Lookout, two, 3 October (RWi); Freshwater Cliffs, 4 October (SDa)

**2235 Tawny Pinion *Lithophane semibrunnea*** (Haworth, 1809)

**VC10:** Bonchurch, 16 March (JHa)

**VC12:** Chilbolton, 21 April; Leckford, 28 May (GCE)

**2241 Red Sword-grass *Xylena vetusta*** (Hübner, 1813)

**VC10:** Bouldnor Copse, one, by day, 25 September (Lucy Temple det. Jenny Seawright); Totland, 19 November (SAK-J)

**VC12:** Leckford, 29 September (GCE)

**2246a Oak Rustic *Dryobota labecula*** (Esper, 1788)

**VC12:** Pamber Forest, 14 November (GJD) – 2<sup>nd</sup> vice-county record.

**2251 Flame Brocade *Trigonophora flammea*** (Esper, 1785)

**VC10:** St. Catherine's Point, two, 14 October (IOu, JHa, ER) and two, 30 October (IOu); Totland, 28 October (SAK-J); Shanklin, 31 October (IOu)

**VC11:** Milford-on-Sea, 27 October (Mary Macmillan)

**2265 Flounced Chestnut *Agrochola helvola*** (Linnaeus, 1758)

**VC12:** Chilbolton, 26 October (GCE)

**2271 Orange Sallow *Xanthia citrigo*** (Linnaeus, 1758)

**VC10:** Shanklin Upper Chine, 21 September (IOu)

**2276 Pale-lemon Sallow *Xanthia ocellaris*** (Borkhausen, 1792)

**VC11:** Broadlands Lakes, one, by day, 23 October (JRL, BE)

**2290 Reed Dagger *Simyra albovenosa*** (Goeze, 1781)

**VC11:** Leigh Park, 11 July (CBC)

**2312 Olive *Ipimorpha subtusa*** ([Denis & Schiffermüller], 1775)

**VC10:** Medina Valley Centre, 11 July (Steve Taverner)

**2316 Lesser-spotted Pinion *Cosmia affinis*** (Linnaeus, 1767)

**VC10:** Freshwater, 20 and 24 July (Dave Wooldridge); Bonchurch, 1 August (JHa)

**2331 Small Clouded Brindle *Apamea unanimitis*** (Hübner, 1813)

**VC10:** Afton Marsh, 30 June (JHC) – the second county record.

**2370 Twin-spotted Wainscot *Archanara geminipuncta*** (Haworth, 1809)

**VC12:** Longstock, 23 July (GCE); Leckford, two, 26 July (GCE); Longstock Park Lake, three, 29 July (GCE)

**2371 Brown-veined Wainscot *Archanara dissoluta*** (Treitschke, 1825)

**VC12:** Leckford, three, 26 July (GCE); Longstock Park Lake, two, 29 July (GCE)

**2373 Webb's Wainscot *Archanara sparganii*** (Esper, 1790)

**VC10:** Totland, 25 July (SAK-J)

**2376 Blair's Wainscot *Sedina buettneri*** (Hering, 1858)

**VC10:** Afton Marsh SSSI, 29 September (SRP, JHa)

**2391 Silky Wainscot *Chilodes maritimus*** (Tauscher, 1806)

**VC10:** Afton Marsh, two, 26 and 28 June (JHC); The Causeway, Freshwater, six, 27 June and another 3 July (JHC)

**VC12:** Chilbolton, two, 17 July (GCE)

**2407 Purple Marbled *Eublemma ostrina*** (Hübner, 1808)

**VC10:** Little Atherfield Farm, one, by day, 14 November (DD det. TJN)

**2408 Small Marbled *Eublemma parva*** (Hübner, 1808)

**VC11:** Strouden Park, Bournemouth, 31 October (DGE)

**2412 Silver Hook *Deltote uncula*** (Clerck, 1759)

**VC10:** Totland, 14 June (SAK-J)

**2428 Golden Twin-spot *Chrysodeixis chalcites*** (Esper, 1789)

**VC11:** Southsea, 30 July (JRL)

**2436 Dewick's Plusia *Macdunnoughia confusa*** (Stephens, 1850)

**VC11:** Wickham Common, 27 August (KC)

**2447 Scarce Silver Y *Syngrapha interrogationis*** (Linnaeus, 1758)

**VC10:** See New County Records above.

**2451 Blue Underwing *Catocala fraxini*** (Linnaeus, 1758)

**VC10:** Bonchurch, two, 1 September (JHa); Cranmore, one, by day, 19 September (Nick Poulter); Totland, 27 September (SAK-J); Brook, 29 September and another, 1 October (DW, REJ); Freshwater, 1 October (Dave Wooldridge)

**VC12:** Longstock Park Lake, 27 September (GCE); Sherborne St John, two, 2 September (NJM); South Warnborough, 28 September (E&PR); Chilbolton, two, 28 September (GCE); Longstock, 2 and 27 October (GCE); Pamber Forest, 25 September and 2 October (GJD).

**2454 Light Crimson Underwing *Catocala promissa*** ([D. & S.], 1775)

**VC10:** Wheeler's Bay, 20 July (AB det. SDa)

**2470 Small Purple-barred *Phytometra viridaria*** (Clerck, 1759)

**VC10:** Nodewell, 2 July (JHC)

**2488a Plumed Fan-foot *Pechipogo plumigeralis*** (Hübner, 1825)

**VC10:** Wheeler's Bay, 20 July, two, 25 July (AB) – third and fourth county records.

**VC11:** Horsea Island, - MLO & KW, 28 October (FMG)

**2493 Dotted Fan-foot *Macrochilo cribrumalis*** (Hübner, 1793)

**VC12:** Sherborne St John, 22 June (NJM) – the second vice-county record.

**2495 Olive Crescent *Trisateles emortalis*** ([Denis & Schiffermüller], 1775)

**VC10:** Walter's Copse NT, 22 June (SRP); Afton Marsh, 26 June (JHC); America Wood, 27 June (IOu); Bonchurch, 27 June (JHa); Nodewell, 2 July (JHC); Shanklin Upper Chine, 10 July (IOu); Bonchurch Landslip, 13 July (RWi)

**VC11:** West Meon, Hampshire, two, 24 June (KC, MLO, KW); Great Linford, 2 July (DW); South Brockenhurst, NF, 2 July (RBW); Funtley, 23 July (MLO); Wickham Common, 30 July (KC)



*Bedstraw Hawkmoth: Dave Shute*



*Twin-spotted Wainscott:: Andy Collins*

## Moth Recorders Abbreviations

Those listed below represent recorders mentioned in the Moth Section above. A sincere thank you to all who have submitted records – too many to list separately - in 2014.

DJLA	Agassiz, David	MDu	Duffy, Mike	TJN	Norris, Tim
JA	Alison, James	HE	Edmunds, Henry	MLO	Opie, Maurice
P&CA	Allen, Peter P&CA	BE	Elliott, Brian	IOU	Outlaw, Iain
CLB	Baker, Colin	GCE	Evans, David	DBO	Owen, Dave
MBa	Baker, Mike	DGE	Evans, Glynne	SMP	Palmer, Stuart
SB	Ball, Stuart	F.M.G	Fareham Moth Group	MSP	Parsons, Mark
PBa	Barden, Phil	PDF	Fleet, Patrick	JWP	Phillips, John
SDB	Beavan, Stella	CF	Fletcher, Cath	SRP	Plummer, Stephen
DTB	Biggs, David	LF	Fomison, Lynn	MP	Pugh, Maurice
ABo	Bolton, Andy	DF	Foot, David	E&PR	Raynor, Ted & Penny
SAB	Boswell, Simon	BG	Goater, Barry	ER	Rice, Elaine
PDB	Brock, Paul	BGo	Goodey, Barry	JRDS	Shillitoe, John
PAB	Budd, Philip	KG	Godfrey, Keith	DAS	Shute, Dave
AB	Butler, Andy	JGe	Goodridge, Jeff	JSp	Spence, Jenny
JC	Chainey, John	JAG	Groves, Justin	PHS	Sterling, Phil
JHC	Clarke, Julian H	RJH	Hackford, Bob	IRT	Thirlwell, Ian
PGC	Clement, Pat	JHa	Halsey, James	ADT	Tindale, Tony
KC	Coker, Kevin	MCH	Harvey, Martin	MT	Trasenster, Mark
ARC	Collins, Andy	GAH	Henwood, Glyn	MJW	Wall, Mike
CBC	Collins, Barry	BH	Heppenstall, Brian	DWAl	Wallace, Dave
GAC	Collins, Graham	DPH	Houghton, Dan	MWe	Wearing, Mike
DC	Cooke, Dave	MJ	Jeffes, Mike	DW	Westerhoff, Diana
RFC	Coomber, Richard	REJ	Jones, Richard	KW	Wheeler, Keith
SPMC	Curson, Simon	SKE	Keen, Steve	KBW	Wills, Keith
DD	Dana, Dave	SAK-J	Knill-Jones, Sam	RWi	Wilson, Rob
SDa	Davies, Sue	JRL	Langmaid, John	RBW	Wynn, Russell
GSD	Davis, Graeme	ALL	Lockley, Anthea	JEY	Young, Jenny
GJD	Dennis, Graham	IM	Merrifield, Ian	MRY	Young, Mark
RJD	Dickson, Richard	NJM	Montegriffo, Nick		
CDu	Dudley, Caroline	TM	Morris, Tom		



*Red-necked footman: Andy Butler*

# Hampshire & Isle of Wight Butterfly & Moth Report 2014



Butterfly  
Conservation

