

Lancashire, Manchester and Merseyside Butterfly and Moth Recording Report 2010



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Record Format

More recorders who have computers chose to send their records by email. This is certainly preferred for ease of data input. The new version of Levana now has an excellent import facility, that can convert pages of records in a few seconds. MS Excel, MS Works, or tables in MS Word or tab-text are all acceptable file types. It not only makes my life much easier, it is a joy to use!

Please remember to include your name in the file name of your records. On days where several different recorders send a file called 'butterfly records 10', it's chaos! It also helps if you include a header with your name on so that your printed records can be easily attributed to you. Still, woefully few people have taken this on board.

Thanks to those that have, it takes so little to bring joy and relief to this poor recorder.

Any recorders with computers but not currently sending their records electronically, please consider doing so. Even if you don't have email, records can be sent on disc. The following format is ideal

Joe Bloggs	12/5/10	SD423456	Pilling Moss	Orange Tip	3	all females, eggs also seen
Joe Bloggs	12/5/10	SD423456	Pilling Moss	Green-veined white	4	
Sheila Bloggs	14/9/10	SD721596	Hasgill Fell	Small heath	2	mating pair
Joe Bloggs	11/10/10	SD5148	Grizedale	Speckled Wood	C	

please don't put m or f for male or female, or anything else, in the numbers column as it makes the programme crash. You can still put the code letters in though, where A=1, B=2-9, C=10-29, D=30-99, E=100+. Any mixture of code letters and real numbers is fine. Also, please copy down the grid references, site names or whatever, rather than using ditto marks. Any other standard date formatting is fine too.

For recorders still using good old paper and pen, please write clearly, and in reasonably large writing, as I have to wear glasses to read now. It would also help if you were to draw horizontal lines across the page every so often, to make reading across easier for me. Please remember to write your name on the top sheet and ideally, name or initials on each sheet for when the whole lot slides to the floor.

Continued on page 3

	1990	%	1991	1992	1993	1994	1995	%	1996	1997	1998	1999	2000	%
Small Skipper	11	5.44	29	33	44	71	153	20.48	132	89	95	133	103	19.96
Large Skipper	41	20.32	34	89	156	166	267	35.74	147	103	87	127	98	18.99
Dingy Skipper	3		1	6	6	4	5		5	4	4	3	8	
Grizzled Skipper	0	0	0	0	0	0	0		0	2	1	1	0	
Clouded Yellow	0	0	0	117	6	16	0		14	1	35	2	96	
Brimstone	7	3.46	7	17	26	18	24	3.21	32	41	48	44	58	11.24
Large White	84	41.58	92	171	224	261	392	52.47	286	235	295	340	235	45.54
Small White	64	31.69	78	145	192	241	448	59.97	292	254	246	322	203	39.34
Green-veined White	59	29.2	59	117	148	181	320	42.83	255	219	243	311	204	39.53
Orange Tip	68	33.66	76	101	198	189	265	35.47	231	182	205	246	154	29.84
Green Hairstreak	3	1.48	3	9	14	14	29	3.88	23	19	30	22	24	4.65
Purple Hairstreak	2		1	10	5	7	7		2	13	9	9	13	
White-letter Hairstreak	5		1	2	1	1	2		2	3	0	5	5	
Small Copper	48	23.76	72	122	119	169	219	29.31	216	164	108	121	83	16.08
Northern Brown Argus	3		1	5	6	7	7		5	4	7	4	3	
Common Blue	29	14.35	40	103	116	126	160	21.49	149	100	83	119	100	19.37
Holly Blue	8	3.96	23	79	80	36	30	4.01	41	52	142	158	86	16.66
Duke of Burgundy	1		0	2	2	2	3		2	3	2	2	3	
Red Admiral	52		56	169	159	263	395		272	156	174	279	222	
Painted Lady	29		45	103	17	134	174		415	44	60	72	176	
Small Tortoiseshell	144	71.28	117	194	290	248	497	66.53	396	403	331	345	238	46.12
Peacock	45	22.27	69	113	181	158	266	35.6	290	279	305	311	226	43.79
Comma	32	15.84	56	91	68	66	165	22.08	138	122	104	182	168	32.55
Small Pearl-bordered	3		2	3	7	8	8		4	5	10	3	3	
Pearl-bordered Fritillary	3		1	5	6	6	7		4	5	6	4	4	
High Brown Fritillary	3		1	6	6	10	7		6	6	9	4	4	
Dark Green Fritillary	1		1	5	4	5	7		6	5	5	4	6	
Speckled Wood	5	2.47	9	48	69	65	102	13.65	64	74	117	190	193	37.4
Wall	75	37.12	74	143	175	196	205	27.44	191	147	182	209	143	27.71
Scotch Argus	0		0	1	3	1	1		1	1	1	1	2	
Grayling	5	2.47	2	16	12	24	18	2.4	12	18	17	15	13	2.51
Gatekeeper	20	9.9	29	76	86	98	105	14.05	115	75	66	133	116	22.48
Meadow Brown	94	46.53	96	155	261	301	410	54.88	294	225	222	322	246	47.67
Ringlet	0		0	0	0	0	0		0	0	0	0	0	
Small Heath	32	15.84	10	29	60	62	90	12.04	79	66	45	54	43	8.33
Large Heath	0		0	1	0	1	3		0	7	1	7	1	
Total recorded squares	202		216	389	500	566	747		604	555	570	683	516	

Please continue to send your butterfly records to:

Lancashire and Merseyside

Laura Sivell, email laura.sivell@mypostoffice.co.uk. **I have moved house. NOT EVERYBODY READ THIS in 2009!**

Postal address - 22 Beaumont Place, Lancaster LA1 2EY. Phone 01524 69248. Please note that for records to be included in the annual report, the deadline is the end of January. Late records will still be used for the database, but once the report is written, I'm not going to update or rewrite on the basis of late records. The report is also going to have to be written earlier in the year, in february as I'm full on with work in March/April and I just can't do it!

East Lancs

Please continue sending records to Jeff and Sheila Howarth if you are already doing so. Please send a copy to Laura as well - this would lead to more of your records being included in the full regional report, not just the unusual species or high numbers.

Greater Manchester

These records should **only** go to Peter Hardy, 81 Winstanley Road, Sale, M33 2AT, email pgll@btopenworld.com - **not** to Laura Sivell. Some people have been sending their records to both, leading to a fair amount of wasted time in sorting out the duplicate records. Likewise Lancashire and Merseyside records should **only** go to Laura.

For next year's report, we could also do with some more illustrations. Colour photos of Butterflies as JPEG files to Laura please!

Cover photo by Colin Smith

The table below shows the number of tetrads recording each species across the years., and the percentage of the total number of squares recorded worked out every 5 years. This shows up trends quite well. Migrants, and species that are very restricted in their habitat do not have the percentage shown as it doesn't demonstrate population trends in any meaningful way.

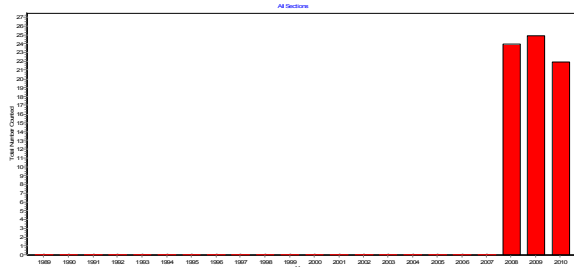
	2001	2002	2003	2004	2005	%	2006	2007	2008	2009	2010	%
Small Skipper	95	114	139	99	52	13.64	115	71	63	87	86	17.02
Large Skipper	70	100	116	92	62	16.27	112	78	51	80	99	19.6
Dingy Skipper	8	6	5	7	7		9	8	8	8	8	
Grizzled Skipper	0	3	0	0	1		1	0	0	0	0	
Clouded Yellow	1	4	7	2	11		65	2	1	15	3	
Brimstone	38	61	59	58	42	11.02	60	60	46	47	45	8.91
Large White	224	260	318	228	162	42.51	207	194	200	280	173	34.25
Small White	177	207	301	172	114	29.92	207	181	158	216	190	37.62
Green-veined White	179	201	303	245	125	32.8	183	160	138	203	221	43.76
Orange Tip	133	194	185	199	99	25.98	169	171	115	138	147	29.1
Green Hairstreak	7	38	25	27	23	6.03	46	31	27	26	21	4.15
Purple Hairstreak	13	11	16	12	10		29	12	15	19	23	
White-letter Hairstreak	2	3	9	6	4		22	11	7	13	27	
Small Copper	57	68	147	132	56	14.69	126	79	46	69	128	25.34
Northern Brown Argus	6	6	7	8	7		8	8	8	5	6	
Common Blue	71	102	121	120	77	20.2	114	77	53	75	114	22.57
Holly Blue	65	99	91	122	61	16.01	130	108	124	67	76	15.04
Duke of Burgundy	2	1	2	3	2		2	2	2	2	2	
Red Admiral	202	188	332	163	146		282	153	136	239	178	
Painted Lady	58	157	315	169	39		207	118	20	305	62	
Small Tortoiseshell	248	347	470	281	181	47.5	268	250	137	209	273	54.05
Peacock	235	316	329	266	185	48.55	269	262	156	241	256	50.69
Comma	145	164	221	146	77	20.2	180	139	119	165	153	30.29
Small Pearl-bordered	3	4	5	6	6		6	10	8	6	6	
Pearl-bordered Fritillary	4	5	4	6	5		4	4	6	4	3	
High Brown Fritillary	6	7	7	8	8		10	8	8	8	8	
Dark Green Fritillary	4	6	8	17	10		16	8	8	17	11	
Speckled Wood	179	241	316	248	171	44.88	286	258	221	263	257	50.89
Wall	99	103	104	117	92	24.14	101	48	32	45	48	9.5
Scotch Argus	3	1	1	2	2		1	1	1	1	1	
Grayling	19	12	12	17	12	3.14	13	11	9	15	11	2.17
Gatekeeper	101	125	135	134	80	20.99	117	103	83	97	127	25.14
Meadow Brown	213	233	310	236	160	41.99	243	178	156	208	204	40.39
Ringlet	2	1	2	2	2		1	9	12	12	9	1.78
Small Heath	36	59	69	60	35	9.18	55	44	34	42	53	10.49
Large Heath	0	1	4	5	1		2	4	2	2	3	
Total recorded squares	432	563	675	537	381		554	487	399	529	505	

Small Skipper

86 tetrads

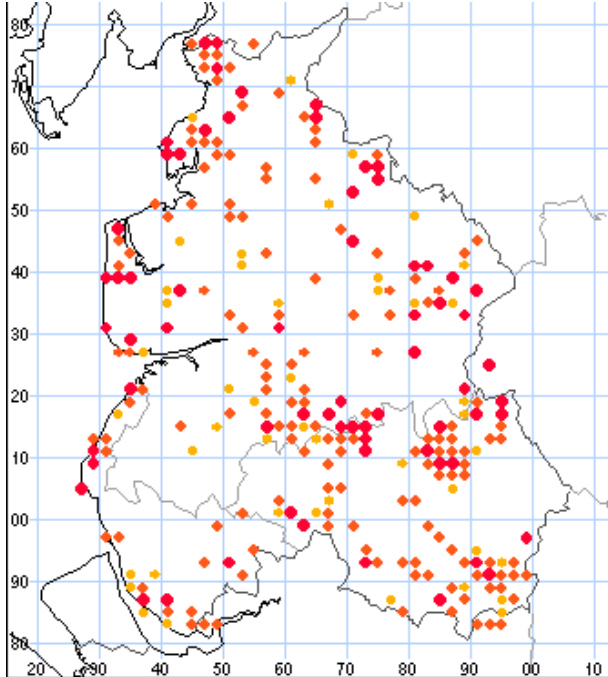
First 4.6.10 RM, Warton Crag RSPB
 Last 12.10.10 PHy, Loerhouse Lodges
 High counts 200 JAP, Gib Hill, Colne

There was another year of steady increase at Gait Barrows, where this species achieved an annual total of around 200 across both transects. It was first recorded as recently as 2006 so is doing very nicely there.



The graph above shows the transect at Warton Crag LNR where this butterfly is also doing well and quickly establishing a good-sized colony.

Small Skipper 2006-2010 254 tetrads

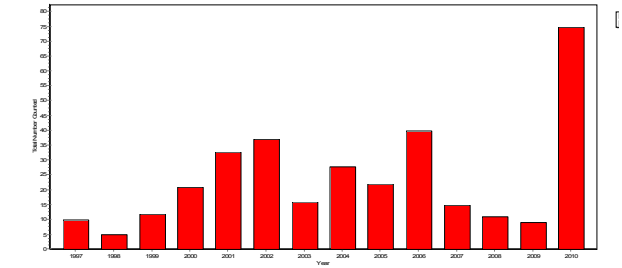


Large Skipper

99 tetrads

First 22.5.10 MP, Broughton
 Last 21.8.10 MH, Jack Scout
 High count 70 SMP, Cockerham Moss

A fantastic year on most of the Morecambe Bay Limestone sites, with new high counts achieved at Yealand Hall Allotment, Gait Barrows and Eaves Wood. However this butterfly has not been recorded at Leighton Moss Transect since 2004.



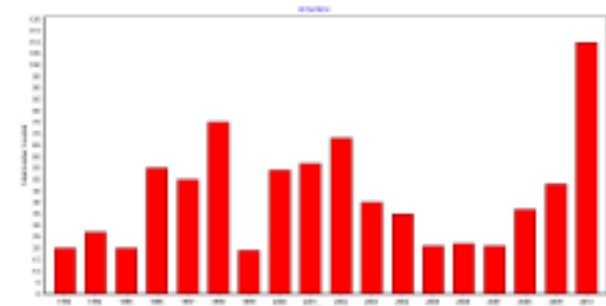
This graph is for Eaves Wood, and clearly demonstrates the dramatic increase.

Dingy Skipper

8 tetrads

First 15.4.10 RPJ, Gait Barrows
 Last 28.6.10 RM, Warton Crag RSPB
 High count 29 RPJ, Gait Barrows

All round a good year on the transects. It was the best year at Heald Brow and Gait Barrows - the Gait Barrows warden's transect is shown below



Grizzled Skipper

0 tetrad

Please note that the records attributed to LR for this species were an error; the wrong line on the recording form was filled in. No Grizzled Skippers were recorded in our area in 2009 or 2010.

Clouded Yellow

3 tetrads

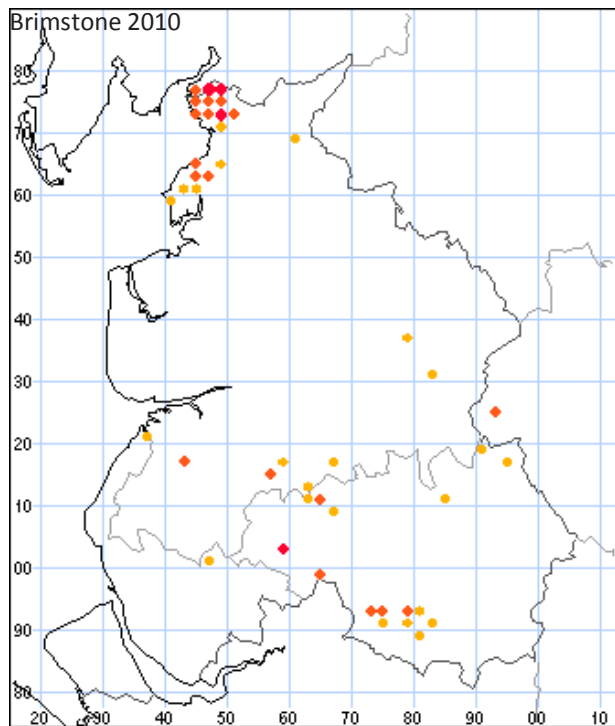
First 17.6.10 JW, GARstang
 Last 30.8.10 MV, Nr Foulridge
 High Count 3 MV, Nr Foulridge
 Not much of a migration!

Brimstone

45 tetrads

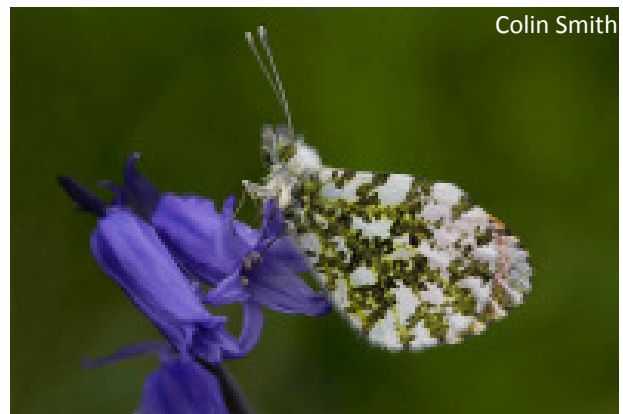
First 9.3.10 Jan Peacock, Warton (Nr Carnforth)
 Last 17.10.10 Eddie Langrish, Silverdale
 High counts 36 Rob Petley-Jones, Gait Barrows

Generally a moderate year, although Jack Scout and Gait Barrows BMS transects had their best years ever. Distribution unchanged.



ambulance and police cars arrived - I reckon the butterflies could have distracted the driver. I certainly found it hard to keep my eyes on the road!
 Apart from that, it was generally quite a good year, with new high counts at Yealand Hall Allotment and Jack Scout.

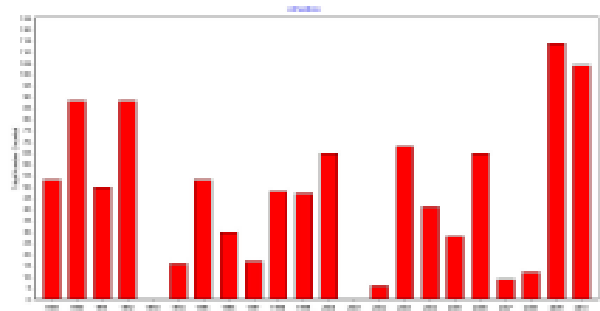
Orange Tip 147 tetrads
 First 10.4.10 LS, Myerscough College
 Last 9.9.10 HMK, Marshside
 High count 20 MRH, Belmont
 After a few years where Orange Tips were becoming a bit thin on the ground, there was an improvement in the number of records of this harbinger of summer.



Large White 173 tetrads
 First 12.4.10 too numerous to list
 Last 12.10.10 BT, Morecambe
 High count 200 BDn, England Hill
 Not a very good year overall, with a sharp fall in the number of recorded tetrads. However it was the best ever year at Arnside Knott and Jack Scout transects.

Green Hairstreak 28 tetrads
 First 10.4.10 CP, Warton Crag LNR
 Last 16.6.10 DDy, Tarnbrook area
 High counts 92 PL, Pendle Hill
 2010 was another good year for this species at Warton Crag LNR, though the heights of 2009 was not quite matched (see graph below). At Birkbank Bog, counts seemed to be rather modest - there is not a transect there but casual visits during the flight season.

Small White 190 tetrads
 First 9.4.10 BH, Heysham
 Last 16.10.10 BDy, Fluke Hall
 High Count 32 MH, Nr Bury
 Another species with a fairly average year, but it was the best year on transect at Arnside Knott.



Green-veined White 203 tetrads
 First 10.4.10 LS, Myerscough College
 Last 21.9.10 BH, Jack Scout
 High Count 100+ MRH, Belmont
 I can't not remark on the huge numbers of this species that occurred in a field by the A6 at Beetham, just outside our northern boundary. A crop of barley had been accidentally undersown with oil-seed rape, giving perfect conditions for larval growth. The local paper reported an estimate (from a butterfly expert) of 20,000. When I parked up and went to have a look, I could count around 40 per 4 metre square - multiply that by a large field and it's well into the thousands. While I was getting back into my car (I'd parked at the garden centre), I heard a screech and crash. Soon an

Purple Hairstreak 23 tetrads
 First 20.6.10 JM, Horwich
 Last 4.9.10 PL, Salmesbury
 High counts 49 PS, Speke Millwoods

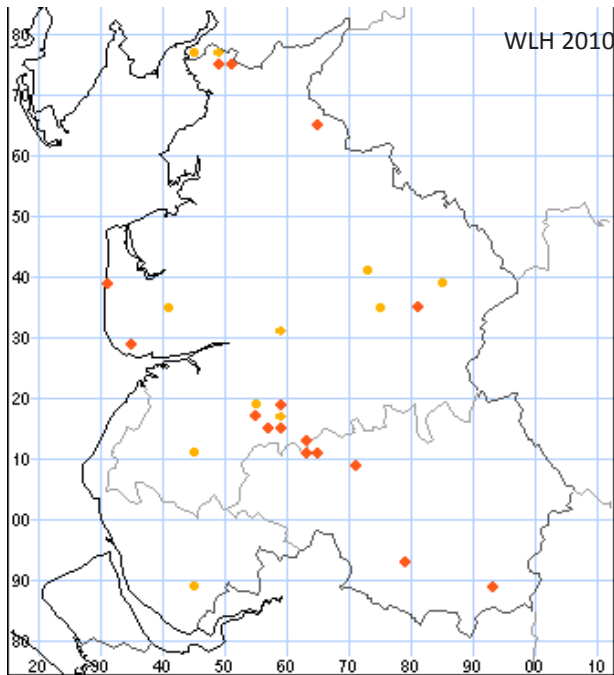
The high count is a very good one and the number of recorded squares showed a slight increase. A pretty good year for the Purple Hairstreak.

White-letter Hairstreak

27 tetrads

First 17.6.10 ED, Blackpool rock gardens
 Last 14.8.10 KH, Duxbury
 High Count 10 NF, Trowbarrow

2010 was one of those years when the hot conditions bring these butterflies down from the treetops to nectar, and the high count event was one of those. The recorder was lucky enough to see 10 fresh individuals nectaring on thistle flowers. I'm quite sick with envy! Apart from that, the usual sites brought forth the expected crop of records, and new squares were recorded. The number of recorded squares was the best ever, over double 2009.



WLH 2010



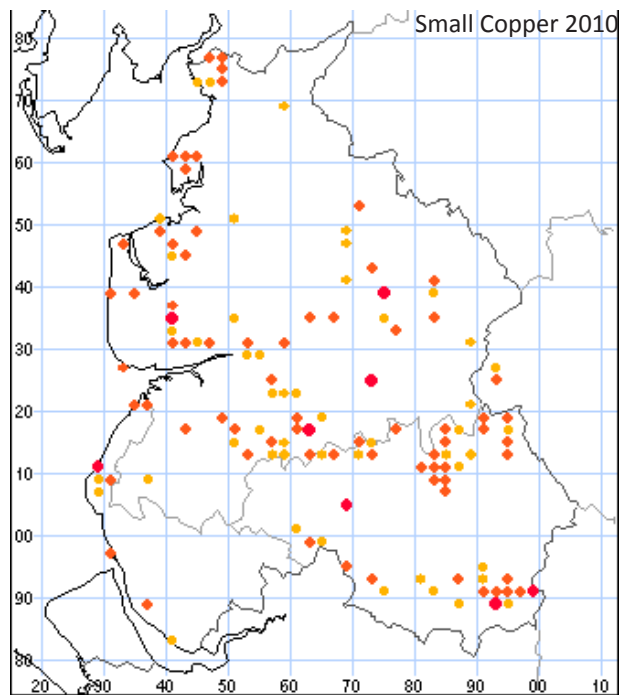
Colin Smith

Small Copper

128 tetrads

First 12.4.10 KMC, path by Manchester Ship canal
 Last 30.10.10 SS, Lytham foreshore
 High counts 42 JM, Sefton Coast
 E&MO, Barrow Lodge

The Small Copper did very well in 2010, roughly doubling the number of recorded squares and putting in appearances on several transects where it is not normally noted.



Small Copper 2010

Northern Brown Argus

5 tetrads

First 21.5.10 RPJ, Gait Barrows
 Last 21.8.10 JDP, Eaves Wood
 High count 47 RM, Warton Crag RSPB

Although better than 2009, any recovery was moderate and counts still very much on the low side. Heald Brow increased well

Common Blue

114 tetrads

First 17.5.10 SW, Seaforth
 Last 12.10.10 SW, Seaforth
 High Count 182 BDy, Fleetwood Nature Park
 Common Blues did well in 2010 with a good increase in the numbers of recorded squares and good colony sizes.

Holly Blue

76 tetrads

First 9.4.10 SK, Crosby
 Last 14.9.10 DB, Euxton
 High count 14 PS, St James' cemetery

Holly Blues had a slight increase over 2009, but the 10 year trend shows decline.

Duke of Burgundy

2 tetrads

First 12.5.10 LS, Gait Barrows
 Last 3.6.10 LS, Gait Barrows
 High Count 12 LS, Gait Barrows

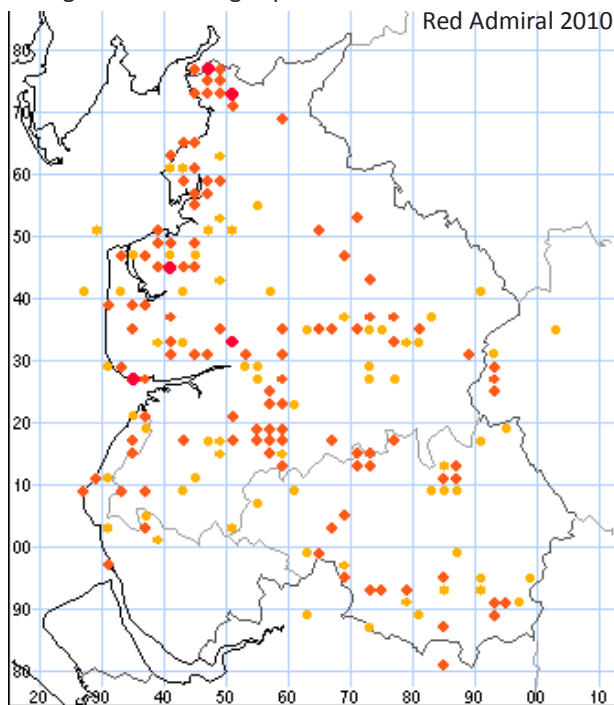
2010 saw the release at Gait Barrows of Duke larvae that had been reared in captivity; some were originally taken from Gait Barrows, others from Township Plantation in Cumbria. The aim is to boost the Gait Barrows population by increasing genetic diversity in the population. If it's successful, the same techniques could be used for re-introductions at other sites where

the species has disappeared. As I was doing the rearing and release, it's hardly surprising that I clocked up a good number of sightings! The high count of 12 includes releases, as will the counts of 8 (PL, LR). Adults released in 2011 will be marked so we know which is which, and how far they move.

Peacock 256 tetrads
 First 6.2.10 DBt, Cuerden Valley Park
 Last 16.11.10 LR, Millhead, Carnforth
 High counts 104 RM, Warton Crag RSPB
 Generally OKish. Some improvement over 2009, but not a lot.

Red Admiral 178 tetrads
 First 24.2.10 SWs, Hala, Lancaster
 Last 7.11.10 NS, Croston Finney
 High count 25 PH, Lytham

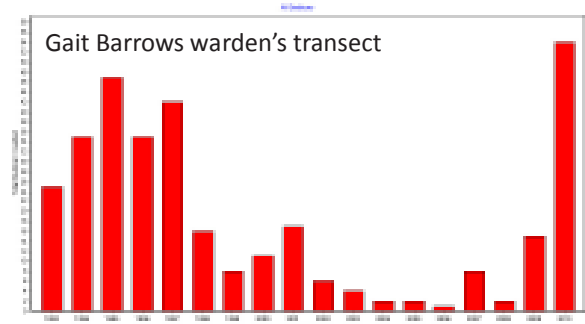
A pretty good year for this species, with a good range of records including 2 at sea off Fleetwood, recorded during a birdwatching trip.



Comma 153 tetrads
 First 19.3.10 RCM, Maghull
 Last 7.11.10 RG, Hareshill Road
 High count 10+ ED, Poulton
 The Comma seemed to have a rather poor year, with generally reduced records.

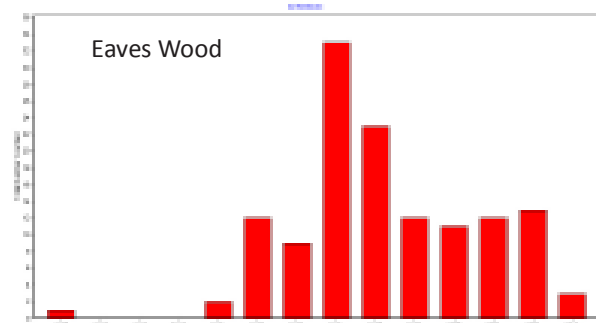
Small Pearl-bordered Fritillary 6 tetrads
 First 13.5.10 BH, Yealand Hall Allotments
 Last 21.7.10 GF, Trowbarrow
 High Count 29 RM, Warton Crag RSPB

There was a good increase at Yealand Hall Allotment, the best ever year at Gait Barrows, some improvement at Warton Crag and a really poor show at Eaves Wood. So a very mixed picture. The small colony at Birk Bank Bog wasn't recorded (lack of visitors perhaps) but 4 were seen near Tatham in the north-east of Lancashire.



Painted Lady 62 tetrads
 First 12.4.10 SSm, Werneth Low
 Last 11.10.10 RCM, Maghull
 High counts 7 RM, Warton Crag RSPB

In 2009, the high count was over 1000. 7 is a big drop from that! It's normal for there to be a crash in the year following a huge migration as we had in 2009, so nothing to worry about.



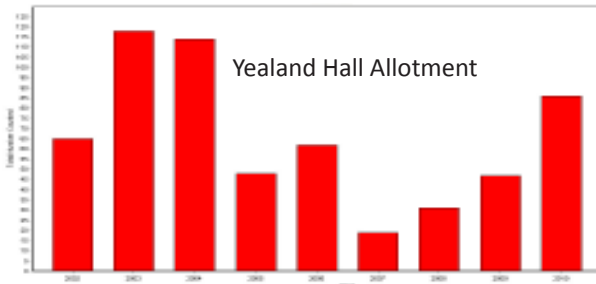
Small Tortoiseshell 273 tetrads
 First 1.3.10 BH, Blackburn
 Last 30.10.10 SS, Lytham foreshore
 High counts 287 BDn, Eagland Hill

2010 showed a distinct improvement in the fortunes of this butterfly. The warm March let it get off to a good start, leading to much improved counts later on in the summer and autumn.

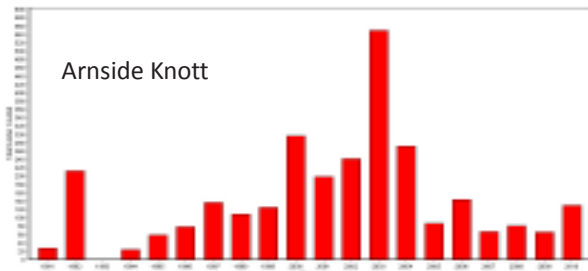
Pearl-bordered Fritillary 3 tetrads
 First 27.4.10 PM, Warton Crag
 Last 17.6.10 RPJ, Gait Barrows
 High count 25 JN, Warton Crag LWT

Another horrible year for this butterfly. Very poor on one of the Gait Barrows transects and even worse on the other, worst ever count. Warton Crag RSPB was also very poor, though the LNR section showed a distinct improvement.

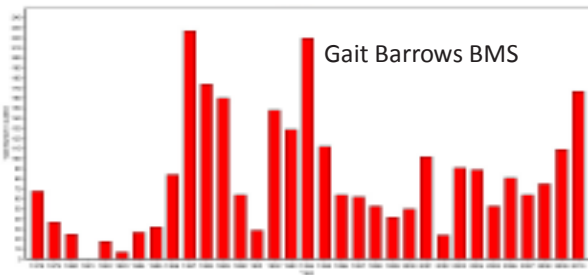
High Brown Fritillary 8 tetrads
 First 7.6.10 PG, Warton Crag LWT
 Last 30.8.10 SB, Arnside Knott
 High count 67 RPJ, Gait Barrows
 The steady increase at Yealand Hall Allotment continued



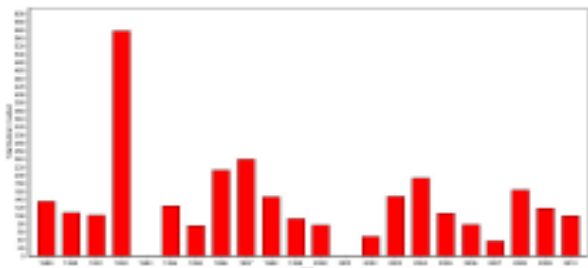
Arnside Knott also increased, but not so noticeably



Gait Barrows showed a distinct increase

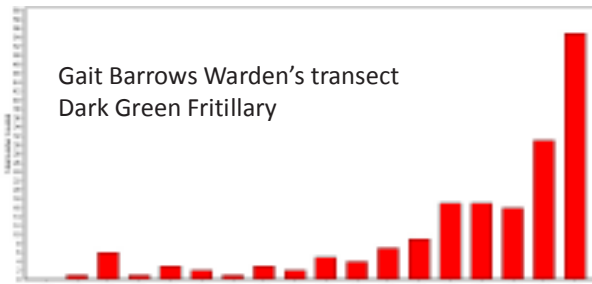


At Warton Crag LNR, things look less optimistic.



Looking at these different transects shows the effects of management; the weather was the same at all the sites, so it can't be that! High Browns respond quickly to the creation of new habitat, but the open clearings don't stay in ideal condition for long.

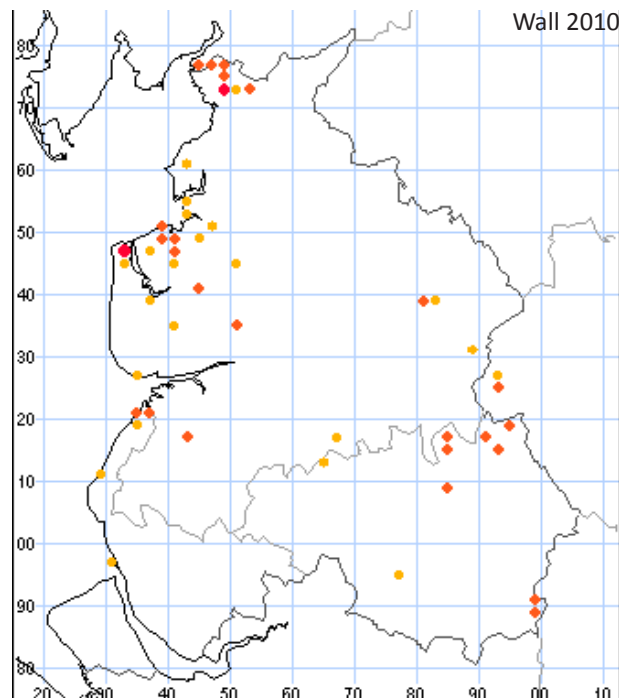
Dark Green Fritillary 11 tetrads
 First 2.6.10 PG, Ainsdale
 Last 12.8.10 RPJ, Gait Barrows
 High count 70 SB, Arnside Knott
 Although the number of recorded squares is lower in 2010, the populations within the Morecambe Bay area showed a strong increase. Unfortunately no transect data was contributed from Ainsdale.



Eaves Wood had a similar increase to Gait Barrows. The increase in Dark Green Fritillary can indicate that the habitat is becoming more suitable for them - longer, lush vegetation than the more endangered High Brown needs, which can lead their numbers to decline. Keeping the habitat in a condition where the needs of both species are met can be tricky. Where both occur, the needs of High Brown should be given priority (as they are).

Speckled Wood 257 tetrads
 First 18.4.10 PK, Armetriding
 Last 7.11.10 AB, Romily
 High count 65 DJP, EavesWood
 It was a slightly disappointing year for this butterfly.

Wall 48 tetrads
 First 10.4.10 IW, Ainsdale
 Last 19.9.10 JM, Todmorden
 High counts 11 BDy, Fleetwood Nature Park
 What's happening to the Wall? It seems to have vanished from places where it used to be recorded often. The same thing has happened across Britain, starting in the south and moving north. Coastal sites seem to be doing better, but there's no shortage of suitable habitat inland. There have been no records from Jack Scout or Heald Brow since 2008.



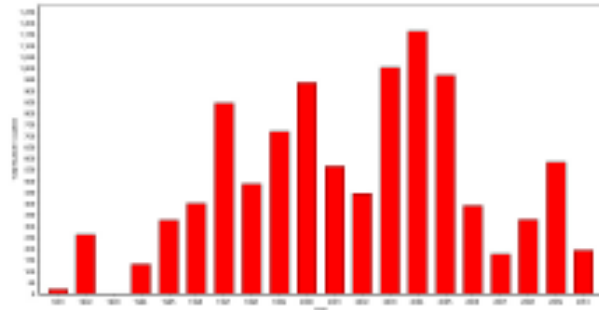
Scotch Argus

1 tetrad

First	21.7.10	SB, Arnside Knott
Last	2.9.10	SB, Arnside Knott
High count	158	PL, Arnside KNott

The Scotch Argus has been having a rather rough time over the last few years. The cause is unknown, but global warming is believed to be having a detrimental effect on montane species elsewhere.

The situation at Arnside Knott is shown below.

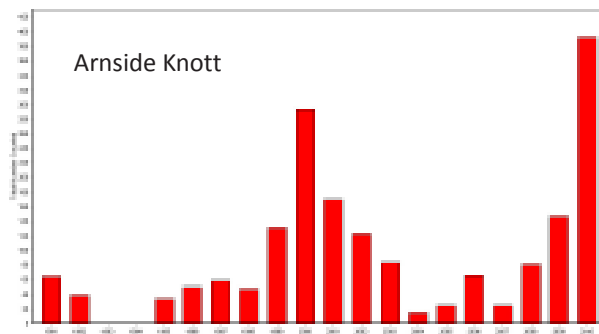


Grayling

11 tetrads

First	11.6.10	SB, Arnside Knott
Last	2.9.10	SB, Arnside KNott
High counts	105	SB, Arnside KNott
	94	LR, Middlebarrow Quarry

Despite the number of recorded tetrads falling, 2010 was a phenomenal year for the grayling, with Morecambe Bay populations recovering to good levels where they had dwindled to the point where there was fear for their future. New high counts were achieved at Yealand Hall Allotment, and the best year since 2004 at Jack Scout. Arnside Knott, which contains a lot of ideal habitat, did particularly well.



Ringlet

9 tetrads

First	28.6.10	RPJ, Gait Barrows
Last	25.8.10	RPJ, Gait Barrows
High count	50	CT & GT, Rowley

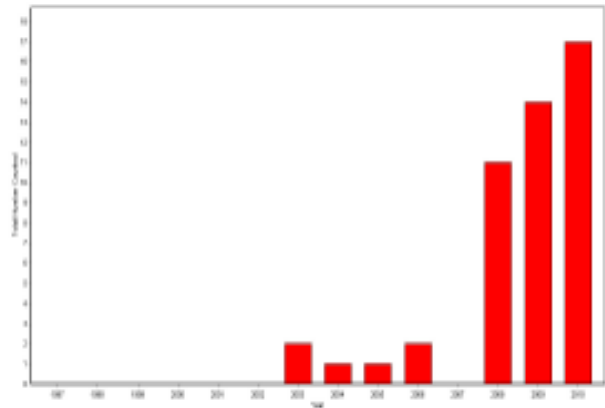
The Ringlet is now well established at Gait Barrows, recorded at Warton Crag too but strangely absent from other suitable sites in the area. Perhaps whoever is releasing them just hasn't been there yet! The only other 2010 records were from Gisburn Forest, Earby, Rowley and Preston College.

Gatekeeper

97 tetrads

First	2.6.10	PG, Ainsdale
Last	30.9.10	SW, Seaforth
High counts	205	SW, Seaforth

The first date is a month earlier than in 2009 and the last date a fortnight later. The colonisation at Eaves Wood is shown below.



Meadow Brown

208 tetrads

First	20.5.10	EL, Dob Brow Pastures
Last	12.10.10	PHY, Lowerhouse Lodges
High count	143	RPJ, Gait Barrows

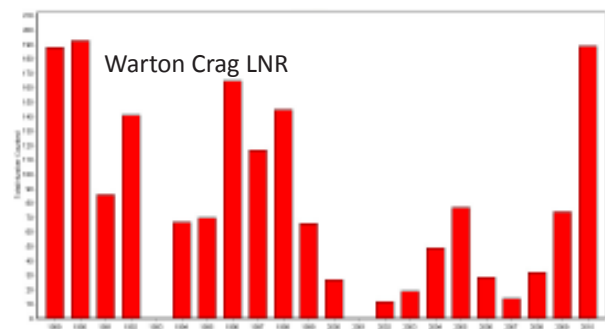
A rather good year for the Meadow Brown, and the best ever at Yealand Hall Allotment. Generally ubiquitous as usual, and a good year on the transects.

Small Heath

58 tetrads

First	4.5.10	RM, Warton Crag RSPB
Last	12.10.10	SW, Seaforth
High counts	70	SB, Arnside KNott
		RH, Pendle Hill

Best ever at Yealand Hall Allotment and a very good season at Warton Crag LNR. The LWT section of Warton Crag was less frequented.



Large Heath

3 tetrads

First	19.6.10	BH, Winmarleigh Moss
Last	3.7.10	PL, Goodber Common
High Count	53	PL, Goodber Common

Not a lot to go on in the way of records, but a high count of 53 suggests a good year.

**Butterfly Recorders
2010**

Recorders referred to in the text by initials, have the initials in brackets following their names. Well done, all of you! Please all carry on!

Gerry Almond
Chris Ambrose
George Anderton
Gavin Ashworth
Colin Barnes
D Beattie (DBt)
Alan Bedford
Roy Bedford
D Beevers (DBv)
Carole Bennett
Tom Brereton
Andy Bissitt (AB)
Tony Bond
Steve Bradley (SB)
Barry Brigden (BB)
Mary Broomfield
Richard Burkmar
Stuart Burnet
Paul Cammack
Brian Carlyle
Jonathan Cass
John Catterall
D M Caunce (DC)
John Chadwick (JC)
Caroline Clarke (CC)
Richard Clay
J Cliff
John Cobham
G & B Cockburn
Derek Cook
Ian Corbett
Carl Craven
Barbara Crooks
David Cumpstey
Margaret Cunliffe
Jonathan Dale
Colin Daly
Bob Danson (BDn)
Alan Davis
Eileen Dean (ED)
Roger Dennis
Graham Dixon
David Dodsworth
D Downing
Janet Driver
Tony Dunn
Stephen Dunstan
Barry Dyson (BDy)
Peter Eastham
Craig Ellison
Jenny Elsworth

Martin Elsworth
Malcolm Evans
Jill Farrer (GF)
Norman Fieldhouse (NF)
Catherine Fitton
Micheal Foley
John Gavaghan
Kitty Garnett
J & M Gibson
Steve Graham
Paul Green (PG)
Richard Greenwood (RG)
Brian & Dawn Hancock
Peter Hardy
Peter Harris (PH)
Margaret Harvey (MH)
Ken Haydock (KH)
James Hide
Stephen Hind
Robert Hirst (RH)
David Holden
John & Betty Holding
Alan Holmes
Peter Hornby (PHy)
Mike Horwood (MH)
J & S Howarth
R Hoyle
Barbara Hughes
Brian Hugo (BH)
Jeffrey Hurst (JH)
A & S Imm
C Johnson
Philip Kinder (PKr)
Pete Kinsella
Steve Kinsella (SK)
Philip Kirk (PK)
Eric Kirkby
Peter Krischkiw
Terry Lally
Eddie Langrish (EL)
Phil Larkin (PL)
A & E Laycock
Peter Lees
Geoffrey Lightfoot
Gary Lilley
David Lumb
Karl Lucas
Howard Macauley
Pete Marsh
Joan Marshall (JM)
D Martin
S Martin (SM)
Alan Mayor
H McCauley
K (KMC) & J McCabe
Hilary McKean (HMK)
Stephen McLoughlin
J Meldrum
Richard Miller (RM)
Jill Mills (JM)

David Mower
Ron Moyes
R & C Murphy (RCM)
Martin Naylor
Jennifer Newton (JN)
Gillian Oakes
E & M Ormand (EMO)
Mark Owen
MJ Palmer (MP)
Stephen Palmer (SMP)
Colin Peacock (CP)
Jan Peacock (JP)
Rob Petley-Jones (RPJ)
A & J Plackett (AJP)
David & Jill Player (DJP)
Alan Powell
L Poxon
B Pratt
C Rae
Mark Rawlins (MR)
John Rayner
Linda Renshaw (LR)
Roy Rhodes
L E Richmond
Tony Riden
J Riley
Jean Roberts
Margaret Robinson
Glenn Rostron
John Sagar
Joy Sharp
Barry Shaw
Laura Sivell (LS)
Joy Sharp
Jane Shaw
Kevin Singleton
Paul Slater (PS)
Andy Small
Ben Smart
Alwyn Smith
Derrick Smith (DS)
Stephen Smith (SSm)
Brian Snell
N Southworth (NS)
Ken Spencer
Andy Squires
Sarah Stones (SS)
Eileen Summers
David Talbot
C Thistlethwaite
Bryan Thomas
Chris Tomlinson (CT)
Paul Townsend
Brian Townson (BT)
Nigel Troup
David Tucker
Geoff Turner (GT)
Martin Vaughn (MV)
Pat Waddington
Dave Wainwright
Ian Waller (IW)

Steve Wallis (SWs)
Frank Walsh (FW)
Graham Warne
John Watt
David Webster (DW)
Dennis Weir
K West
N West
Terry Whitaker
Steve White (SW)
D Wilson
K Woan
John Wood (JW)
David Woodward
Jean Worthington

I can only apologise if I've left anyone out. Let me know if you're not listed.

Two new species for VC59 & 60 were recorded in 2010; **Chocolate-tip** *Clostera curtula*, and **Lyme Grass** *Chortodes elymi*. The Lyme Grass records were perhaps the most surprising, with 2 records in 2010, and a further 3 subsequently uncovered from 2009, all pointing to a possible west coast colonisation. Welcome reappearances were made by several species (last year recorded in brackets), namely - **Goat Moth** *Cossus cossus* (2004), **Purple-bordered Gold** *Idaea muricata* (2007), **Mallow** *Larentia clavari* (2007), **Brussels Lace** *Cleorodes lichenariai* (2002), **Grass Wave** *Perconia strigillaria* (2007), **Round-winged Muslin** *Thumatha senex* (2005), **Four-spotted Footman** *Lithosia quadra* (2008), **Lead-coloured Drab** *Orthosia populeti* (2004), **Dusky-lemon Sallow** *Xanthia gilvago* (2007), **Scarce Silver Y** *Syngrapha interrogationis* (2006), and **Burnet Companion** *Euclidia glyphica* (2006).

2010 was also the best year to date for a number of species, including **Devon Carpet** *Lampropteryx otregiata*, **Heart and Club** *Agrotis clavis*, and **Marbled White Spot** *Protodeltote pygarga*, with impressive counts of two of Lancashire's national Biodiversity Action Plan (BAP) species, **Belted Beauty** *Lycia zonaria* and **Netted Carpet** *Eustroma reticulatum*.

COSSIDAE

0162 **Goat Moth** *Cossus cossus* (Linn.) – 2 fresh pupal exuviae were found at Freshfield Dune Heath on 16th June (R Burkmar, G Jones) and an adult was recorded at a garden MV on 30th June (R Walker). These are the first records since 2004.

ZYGAENIDAE

0163 **Forester** *Adscita statures* (Linn.) – 2 records from the Sefton Coast; 1 at Formby on 17th July (A Brocklebank) and 3 at Ainsdale NNR on the 25 July (D Miller).

0164 **Cistus Forester** *Adscita geryon* (Hubn.) – a slightly better showing than 2009, with 3 records from Warton Crag (RSPB); 4 on 5th June (R Menendez Martinez), 6 on 7th June (B Hancock), and 1 on 16th June (J Donnelly).

SESIIDAE

0371 **Lunar Hornet Moth** *Sesia bembeciformis* (Hubn.) – 11 pupal exuviae found at Lightfoot Green, Preston, on the 2 July (S Palmer) was the only record.

0373 **Currant Clearwing** *Synanthedon tipuliformis* (Clerck) – 6 records from 2 sites; Hale, 2 on 4th June, 1 on 12th June, and 1 on 29th June (C Cockbain). Blackpool; 4 on 24th June, 3 on 27th June and 1 on 30th June (A Smith).

LASIOCAMPIDAE

1636 **Grass Eggar** *Lasiocampa trifolii* Schrank – larval records came from Birkdale Green Beach with 1 on 30th May (G Jones) and 1 from Ainsdale Dunes on 25th June (D Miller). Single adults at MV traps were recorded at Formby on 24th July (R Walker) and 21st August (S Whitehouse).

SATURNIIDAE

1643 **Emperor** *Saturnia pavonia* (Linn.) – a good year for Emperor, with 21 records received in total (compared to 8 in 2009). An impressive count of 73 was recorded at Adam Hill, Horwich, 24th April (R Burkmar).

THYATIRIDAE

1658 **Oak Lutestring** *Cymatophorima diluta* (D. & S.) – 25 to MV at Cragg Wood, Lancaster on 16th August (J Girdley), 1 at Millhouses, Wray, on 18th August (P Marsh), and 1 at Baines Crag on 31st August (J Girdley).

GEOMETRIDAE

1661 **Orange Underwing** *Archiearis parthenias* (Linn.) – only 5 records in 2010 and all singles - Astley Moss 25th March (K McCabe), Trowbarrow 10th April (B Hancock) and another at Trowbarrow Quarry the same day (M & J Elsworth), Gait Barrows 15th April (R Petley Jones), and Astley Moss 15th May (K McCabe).

1665 **Grass Emerald** *Pseudoterpna pruinata* (Hufnagel) – the bulk of the records received were from Heysham Nature Reserve (HNR Team) with singles on 7 dates, 26th June – 12th August. 1 at Bispham on 21st July (B Brigden) was a new 10K record.

1674 **Little Emerald** *Jodis lactearia* (Linn.) – 1 at Yealand Hall Allotments on 31st May (B Hancock), 1 at Gaitbarrows 3rd June (R Petley Jones), 3 at Yealand Hall Allotments 5th June (G Jones et al), 1 at White Moss, Yealand Redmayne 12th June (J Girdley), and 2 records from Dolphinholme; 1 on 12 June, and 2 on 14th July (N Rogers).

1681 **Clay Triple-lines** *Cyclophora linearia* (Hubn.) – the best year to date with 5 records in total: 1 at Warton on 5th June (M Elsworth), 1 at Woodwell on the 19th June (A Bunting, E Langrish), 1 at Hynning Scout Wood on 26th July (A Hannan, G Jones et al) and 1 at Silverdale on 7th August (B Hancock). Away from the Silverdale area a singleton was recorded at MV at Ellenbrook, Salford, on 2nd July (P Mansfield).

1689 **Mullein Wave** *Scopula marginepunctata* (Goeze) – 1 at Hale on 3rd June (C Cockbain), 1 at Woodwell on 19th

June (A Barker, E Langrish), 2 at Ainsdale on 25th June (D Miller) and 1 at Leighton Moss on 3rd July (J Beattie).

1690 **Small Blood-vein** *Scopula imitaria* (Hubn.) – 6 records in total with the bulk from the Sefton Coast; singles at a garden MV in Formby on 5th July and 11 July (A & S Parsons), and at a second Formby garden on 16th July and 19th July (T Davenport), with 1 at Southport on 28th July (R Moyes). 1 was also recorded at Rindle Wood, Astley Moss on 12th July (I Walker).

1692 **Lesser Cream Wave** *Scopula immutata* (Linn.) – an impressive 30 were recorded at Hawes Water Meadow on 30th June, with another 12 at Yealand Storrs on 30th June (S Palmer). Singles were recorded at Gait Barrows on 7th July (R Petley Jones) and Leighton Moss on 8th July (J Beattie).

1694 **Smoky Wave** *Scopula ternata* (Schrank) – 10 at Tarnbrook Strip, Lancaster, 16th June (B Dyson), and 1 Caton Moor 25th June (J Girdley, P Marsh).

1698 **Purple-bordered Gold** *Idaea muricata* (Hufnagel) – 3 at Cockerham Moss on 8th July (S Palmer) was the first record since 2007.

1705 **Dwarf Cream Wave** *Idaea fuscovenosa* (Goeze) – 2 records from Formby; 1 on 11th July (A & S Parsons), and 1 on the 19th July (T Davenport).

1709 **Satin Wave** *Idaea subsericeata* (Haw.) – 1 in Formby on 17th June (R Walker); 1 at Heysham Nature Reserve on 26th June (P Marsh et al).

1715 **Plain Wave** *Idaea straminata* (Bork.) – singles from Rindle Wood, Astley Moss on 7th, 8th and 12th July (I Walker). Hornby on 12th July (J Newton), Yealand Hall Allotments on 31st July (B Hancock) and Formby on 22nd July, 27th July and 22 August (R Walker).

1720 **Gem** *Orthonama obstipata* (Fabr.) – see Migrant Report

1724 **Red Twin-spot Carpet** *Xanthorhoe spadicearia* (D. & S.) – 8 records in total 19th May – 20 June, and all confined to the higher parts of the north of the county, with 3 at Trough Summit on 19th May the maximum count (J Girdley).

1734 **July Belle** *Scotopteryx luridata* (Hufnagel) – 1 at Mill Houses, Wray, on 10th July (P Marsh) was the only record.

1745 **Mallow** *Larentia clavaria* (Haw.) – 1 at Moss Green, Formby on 27th September (M Dean, R Hill) was the first record since 2007.

1748 **Beautiful Carpet** *Mesoleuca albicillata* (Linn.) – 1 at Mere Sand Wood on 22 June (R Boydell, I Kippax), 1 at Rindle Wood, Astley Moss on 27th June, 28th June and 8th July (I Walker), and 1 at Formby on 16th July (T Davenport).

1749 **Dark Spinach** *Pelurga comitata* (Linn.) – apart from 1 at Hale on 9th August (C Cockbain), all records were from Formby with 1 on 31st July and 2nd August (A&S Parsons), and 1 on 1st, 5th and 7th August (T Davenport).

1751 **Devon Carpet** *Lampropteryx otregiata* (Metcalf) – an exceptional year for this species with records from 4 new sites; White Moss, Yealand Redmayne, with a maximum count of 17 on 5th June (B Hancock, G Jones), at Lords Lot Bog LWT, with a max count of 2 on 12th August (J Girdley, S Ryder), and singles at Barkin Bridge on 3 September (J Girdley) and Dolphinholme on 19th September (N Rogers). At known sites 2 were recorded at Lords Lot (west side) on 29th May and 3 at Roeburn Ford (west side) on 20th June (J Girdley).

1753 **Striped Twin-spot Carpet** *Nebula salicata* (Hubn.) – 6 records in total. 1 at Warton Crag on the 12 April (B Hancock et al), 1 at Cross of Greet on 5th May (P Marsh), 6 at Trough Summit on 19 May (J Girdley), 1 at Yealand Hall Allotments on 20th May (B Hancock), and 1 at Baines Crag on 22 May (J Girdley).

1756 **Northern Spinach** *Eulithis populata* (Linn.) – an impressive 4 records from a garden MV at Adlington, with singles on 14th, 15th, 22nd and 28th August (P Kriskchiw). The only other records were 1 at Longridge Fell on 1 August (A Barker), 1 at Mill Houses, Wray, on 16th August (P Marsh), and 1 at Blaze Moss on 31st August (B Dyson).

1761 **Autumn Green Carpet** *Chloroclysta miata* (Linn.) – 3 spring records; Littleborough 9th April (Y Mynett, S Pinnington), Blackburn, 28th April (W Aspin) and Baines Crag, 22 May (J Girdley). Autumn records came from Dolphinholme with singles on 12th and 14th October (N Rogers), and 1 at Mill Houses, Wray, on 5th November (G Jones).

1762 **Dark Marbled Carpet** *Chloroclysta citrata* (Linn.) – probably the most misidentified moth in Lancashire! A total of 12 records, all from the north of the county 11th August – 7th September, with a maximum count of 3 at Cragg Wood and Mill Houses, Wray, on the 16th August (J Girdley, P Marsh).

1766 **Blue-bordered Carpet** *Plemyria rubiginata* (D. & S.) – surprisingly, just one record was received with 1 at Lightfoot Green, Preston, 30th July (S Palmer).

1772 **Netted Carpet** *Eustroma reticulatum* (D. & S.) – efforts to survey the newly found colony at Warton continued, with a larval survey on 3rd September producing an impressive count of 170 (M Elsworth, G Jones et al).

1779 **Ruddy Highflyer** *Hydriomena ruberata* (Frey.) – 2 records from Heysham Nature Reserve on 26th May and 30th May (J Girdley) were the first records since 2000. Interestingly, 8 out of the 10 Lancashire records for this species all come from this site.

1784 **Pretty Chalk Carpet** *Melanthia procellata* (D. & S.) – 12 at Jack Scout 10th July (B Hancock), and 5 at Jenny Brown's Point, 27th July (G Jones).

1789 **Scallop Shell** *Rheumaptera undulata* (Linn.) – 4 of the 6 records for 2010 came from Mere Sands Wood, with singles 6th July, 27th July, 2nd August and 3rd August (R Boydell, I Kimber). Singles were also recorded from Bispham, 24th July (B Brigden) and Belmont, 26th July (A Bateson).

1790 **Tissue** *Triphosa dubitata* (Linn.) – 15 were recorded in a bat hibernacula at Warton Crag on 9th January (G

Armstrong).

1791 **Brown Scallop** *Philereme vetulata* (D. & S.) – 1 at Leighton Moss 3rd July (J Beattie).

1792 **Dark Umber** *Philereme transversata* (Hufnagel) – singles at Yealand Conyers 1st August, Yealand Hall Allotments 6th August, and 2 at Silverdale, 7th August (B Hancock).

1797 **Autumnal Moth** *Epirrita autumnata* (Bork.) – 1 at Lindeth Tower, Silverdale, 6th November (G Jones), and 6 at Brock Bottom, Wyre Valley, 12th November (E L, S Priestley) – all gen. det.

1798 **Small Autumnal Moth** *Epirrita filigrammaria* (Herr.-Schaff.) – all records received were from Dolphinholme, with 3 on 2nd September, 6 on 4th September, 1 on 7th September and 1 on the 9th September (N Rogers).

1800 **Northern Winter Moth** *Operophtera fagata* (Scharfenberg) – 4 at Mill Houses, Wray, 5th November (G Jones), 1 Flixton, 12th November (K McCabe), 1 Whalley, 20th November (A Barker) and 1 Hale, 12th December (C Cockbain). Larval records from Chorlton Water Park, 9th May (B Smart) and Astley Moss, 13th May (K McCabe).

1801 **Barred Carpet** *Perizoma taeniata* (Steph.) – 1 at Warton Crag 23 July (J Newton), and 1 at Hynning Scout Wood, 26th July (G Jones).

1804 **Barred Rivulet** *Perizoma bifaciata* (Haw.) – away from the main colony at Heysham Nature Reserve, 6 were recorded at Hardy Farm, Chorlton on 17th August (B Smart), and 1 at Hardy Grove, Salford on 12th August (G Riley)

1813 **Haworth's Pug** *Eupithecia haworthiata* Doubl. – 10 at Jack Scout on 10th July (B Hancock), and 2 at Jenny Brown's Point Lane on 27th July (G Jones).

1816 **Toadflax Pug** *Eupithecia linariata* (D. & S.) – 4 records from Heysham Nature Reserve (HNR Team), the main site in Lancashire for this species, with singles 29th June, 12th August, 17th August and 4th September. The only other records received were 1 Fazakerley, 29th June (L Ward), and 1 Hale, 12th July (C Cockbain).

1821 **Valerian Pug** *Eupithecia valerianata* (Hubn.) – 1 at Martin Mere 14th June (A Bunting).

1822 **Marsh Pug** *Eupithecia pygmaea* (Hubn.) – 1 at Fleetwood Nature Park on 23rd May, and an impressive 14 on 7th June at the same site (B Dyson), 1 at Flixton on 28th May (K McCabe) and 4 on the 3rd June (B Hancock, K McCabe). 1 at Starr Hills Nature Reserve, St Annes on 3rd June was a new 10K record (G Jones, S Priestley), along with 1 at Chorlton on 25th July (B Smart).

1823 **Netted Pug** *Eupithecia venosata* (Fabr.) – 1 at Yealand Conyers, 4th June (B Hancock), and 1 Widnes 22nd June (P Hillyer).

1839 **Bordered Pug** *Eupithecia succenturiata* (Linn.) – 1 Formby, 5th August (T Davenport), 1 Billinge, 14th August (C Darbyshire), and 1 Flixton, 2nd September (K McCabe), with a single larva also recorded at Flixton on 25th September (K McCabe).

1840 **Shaded Pug** *Eupithecia subumbrata* (D. & S.) – apart from 1 record at nearby Middleton Industrial Estate on the 30th June (J Girdley), all records were from Heysham Nature Reserve (HNR Team), with a total of 17 records 20th May – 1st July, and a maximum count of 4 on 12th June.

1849 **Ash Pug** *Eupithecia innotata* f. *fraxinata* Crewe – 1 Yealand Redmayne, 21st May (S Stokes), and 1 Silverdale, 29th May (B Hancock).

1856 **Larch Pug** *Eupithecia lariciata* (Frey.) – 1 at Yealand Redmayne, 21st May (S Stokes), and 1 Lords Lot Bog, 8th June (R Neville, S Ryder).

1857 **Dwarf Pug** *Eupithecia tantillaria* Bois. – away from North Lancs. 1 was recorded at Billinge on 7th June (C Darbyshire).

1859 **Sloe Pug** *Pasiphila chloerata* Mabilie – 1 at Yealand Hall Allotments, 5th June (B Hancock, G Jones, et. al.).

1866 **Manchester Treble-bar** *Carsia sororiata* (Hubn.) – 3 at Loftshaw Moss 8th August (J Girdley), and 2 at Blaze Moss, 31st August (B Dyson).

1870 **Chimney Sweeper** *Odezia atrata* (Linn.) – an incredible 350 were recorded at Yarrow Valley on 5th June (E Langrish, S Priestley).

1872 **Blomer's Rivulet** *Discoloxia blomeri* (Curt.) – all records from Yealand Conyers with 1 on 23rd July, 4 on 25th July, and 2 on 1st August (B Hancock).

1873 **Welsh Wave** *Venusia cambrica* Curtis – 1 Botton Mill, 10 July (P Marsh), 1 Brinscall, 16th July (A Barker, E Langrish), 1 Mill Houses, Wray, 10th July and 6th August (P Marsh).

1874 **Dingy Shell** *Euchoeca nebulata* (Scop.) – the maximum count at Flixton was 14 on 30th June (K McCabe).

1875 **Small White Wave** *Asthena albulata* (Hufnagel) – 2 Silverdale 9th and 18th May (J Girdley), and 2 Gait Barrows, 15th May (C Barnes, S Palmer).

1880 **Barred Tooth-striped** *Trichopteryx polycommata* (D. & S.) – recorded at 7 known sites within the Silverdale limestone area during April and early May. Most counts of singletons but 2 recorded at Warton Crag LWT on 12th April was a new record for the reserve (B Hancock, G Jones, et. al.).

1885 **Clouded Magpie** *Abraxas sylvata* (Scop.) – 10 at Dalton on 20th June (J Girdley) was a notable count. 1 at Hardy Grove, 28th June (G Riley) was the only record for VC59.

1888 **Scorched Carpet** *Ligdia adustata* (D. & S.) – 1 at Yealand Hall Allotments, 27th April (B Hancock) and 5th June (B Hancock, G Jones, et.al.), Silverdale, 26th May (B Hancock) and Leighton Moss, 5th June and 31st July (J Beattie).

1897 **V-Moth** *Macaria wauaria* (Linn.) – 10 records from 5 sites within the Silverdale limestone area, 8th – 25th July, with maximum counts of 2 at Yealand Conyers, 11th July (B Hancock), and Yealand Redmayne, 12th July (S Stokes).

1907 **Bordered Beauty** *Epione repandaria* (Hufnagel) – 8 of the 11 records received were from Heysham Nature Reserve (HNR Team) with another at nearby Middleton Nature Reserve on 22 August (J Girdley). The only other record was from Leighton Moss on 8th August (J Beattie).

1909 **Speckled Yellow** *Pseudopanthera macularia* (Linn.) – all records were from Gait Barrows and Warton Crag with a maximum count of 20 at Warton Crag on 26th May (G Jones).

1910 **Lilac Beauty** *Apeira syringaria* (Linn.) – 1 at Mill Houses, Wray on 10th July (P Marsh).

1915 **September Thorn** *Ennomos erosaria* (D. & S.) – 1 Flixton 18th July (K McCabe), 1 Mill Houses, Wray 16th August (P Marsh), and 1 Dolphinholme 4th September (N Rogers).

1918 **Lunar Thorn** *Selenia lunularia* (Hubn.) – 1 Yealand Redmayne 24th May (S Stokes) and 1 Yealand Hall Allotments, 5th June (B Hancock, G Jones, et. al.).

1925 **Small Brindled Beauty** *Apocheima hispidaria* (D. & S.) – the maximum count at Mill Houses, Wray, was 6 on 14th March, with 2 at Guy Hill on 14th March (P Marsh) and singles at Mealbank on 11th and 17th March (J Girdley, P Marsh).

1928 **Belted Beauty** *Lycia zonaria* (D. & S.) – the annual count from Sunderland Point to Pott's Corner recorded a staggering 1691 on 18th April (S Palmer et. al.). A more concentrated emergence period due to very cold conditions prevalent until the second week of April is thought to be the reason for this high count.

1940 **Satin Beauty** *Deileptenia ribeata* (Clerck) – records were generally widespread with 1 at Martin Mere, 4th June (A Bunting), 6 Brinscall, 16th July (A Barker, E Langrish), Blackburn, 6th August (W Aspin), Silverdale, 25th June (R Griffiths), Yealand Conyers 25th and 27th July (B Hancock) and Yealand Hall Allotments 5th August (J Girdley).

1945 **Brussels Lace** *Cleorodes lichenaria* (Hufnagel) – 1 at Formby on 5th July (T Davenport) was the first record since 2002 and only the second record for VC59 & 60.

1949 **Square Spot** *Paradarisa consonaria* (Hubn.) – 1 Silverdale Moss 9th May (J Girdley), 1 Gait Barrows, 15th May (C Barnes, S Palmer) and 3 Lords Lot 29th May (J Girdley).

1964 **Annulet** *Charissa obscurata* (D. & S.) – 3 at Yealand Hall Allotments on 31st July (B Hancock).

1969 **Grey Scalloped Bar** *Dyscia fagaria* (Thunb.) – 1 Yealand Conyers, 31st May (B Hancock) and 1 Carnforth, 1st June (J Rae).

1970 **Grass Wave** *Perconia strigillaria* (Hubn.) – three records from the Winmarleigh Moss complex were the first since 2007 with 1 at Winmarleigh Moss on 19th June (C Fletcher et al), 2 at Cockerham Moss on 7th June and a record 35 at the same site on 16th June (S Palmer).

SPHINGIDAE

1973 **Death's-head Hawk-moth** *Acherontia atropos* (Linn.) – see Migrant Report.

1984 **Humming-bird Hawk-moth** *Macroglossum stellatarum* (Linn.) – see Migrant Report.

NOTODONTIDAE

1995 **Puss Moth** *Cerura vinula* (Linn.) – another poor year with only 8 records received with the bulk from the Sefton Coast and only 2 VC60 records; 1 at Heysham Nature Reserve (HNR Team), 19th May and Gait Barrows, 10th June (R Hilton).

1996 **Alder Kitten** *Furcula bicuspis* (Bork.) – 1 Cadishead Moss, 21st May (K McCabe), 1 Worsley, 23rd May (I Walker), 1 Hoghton, 4th June (G Dixon), 1 Torrisholme 9th June (A Draper), 1 Mill Houses, Wray, 13th June (P Marsh), and singles at Dolphinholme 4th, 15th and 16th June (N Rogers).

1998 **Poplar Kitten** *Furcula bifida* (Brahm) – 1 Crosby 12th June (J Donnelly), 1 Hardy Grove, Salford, 14th August (G Riley).

2005 **Great Prominent** *Peridea anceps* (Goeze) – 8 records received, 30th April – 30th May, all singles, and all from the Silverdale limestone area.

2010 **Scarce Prominent** *Odontesia carmelita* (Esper) – 1 Silverdale Moss, 25th April (J Girdley)

2019 **Chocolate-tip** *Clostera curtula* (Linn.) – 1 at Rindle Wood, Astley Moss, 23rd April (G Riley) was the **first County record**.

2027 **Dark Tussock** *Dicallomera fascelina* (Linn.) – single larva were recorded at Ainsdale Dunes on 16th and 26th June (P Smith).

ARCTIIDAE

2035 **Round-winged Muslin** *Thumatha senex* (Hubn.) – 1 at Rosemary Fisheries, Downholland, 12th July (J Donnelly, C Fletcher) was the first record since 2005.

2039 **Red-necked Footman** *Atolmis rubricollis* (Linn.) – 1 Ainsdale NNR, 11th June (D Miller) and 1 Bispham, 29th June 2010 (B Brigden).

2051 **Four-spotted Footman** *Lithosia quadra* (Linn.) – see Migrant Report.

2056 **Wood Tiger** *Parasemia plantaginis* (Linn.) – 2 at Cockerham Moss, 16th June (S Palmer), 1 Tarnbrook, 16th June (B Dyson), 1 Winmarleigh Moss, 19th June (C Fletcher) and 1 Belmont, 27th June (S Martin).

NOCTUIDAE

2088 **Heart and Club** *Agrotis clavis* (Hufnagel) – the best year on record for this species with 49 records received, 37 of these from the Sefton Coast, with a maximum count of 14 at Formby on 2nd July (A & S Parsons). In VC60, 5 records were received from Carnforth, 18th June – 30th June, with a maximum count of 4 (J Rae), singles were also recorded at Yealand Conyers, 14th June (B Hancock), Heysham Nature Reserve, 23rd June (HNR Team) and Poulton le Fylde, 23rd June (A Smith).

2093 **Sand Dart** *Agrotis ripae* (Hubn.) – the only record concerns a single larva recorded during Sandhill Rustic searches at Birkdale Green Beach on 17th August (G Jones).

2099 **Portland Moth** *Actebia praecox* (Linn.) – after the poor showing of 2009, when only a single larva was recorded, it was good to see the moth have a much better year in 2010. 9 records were received from the Sefton Coast, 10th August – 2nd September, with a maximum count of 13 on the 21st August (S Whitehouse).

2114 **Double Dart** *Graphiphora augur* (Fabr.) – Heysham Nature Reserve continues to be the stronghold for this species in the County with 24 of the 28 records in 2010 all from this site (HNR Team). Away from Heysham the moth was also recorded at Mill Houses on 30th June (P Marsh), Dolphinholme on 7th July (N Rogers) and Formby on 19th June and 16th July (T Davenport).

2119 **Pearly Underwing** *Peridroma saucia* (Hubn.) – see Migrant Report.

2121 **Barred Chestnut** *Diarsia dahlia* (Hubn.) – 3 from 10km squares SD53 and SD54, with a maximum count of 10 from Cragg Wood on the 16th. A single at Barkin Bridge on the 3rd September was a new 10K record (J Girdley).

2127 **Triple-spotted Clay** *Xestia ditrapezium* (D. & S.) – 1 Silverdale, 25th June (R Griffiths), 1 Leighton Moss, 3rd July (J Beattie et al), 1 Sunderland, 6th August (J Girdley). A single record from VC59, with 1 at Formby 10th July (T Davenport).

2132 **Neglected Rustic** *Xestia castanea* (Esper) – a singleton at Cockerham Moss on 12 August (S Palmer) was the only record in 2010.

2135 **Heath Rustic** *Xestia agathina* (Dup.) – 5 of the 9 records received were from Astley Moss (K McCabe, I Walker), 8 larvae were found at Langfield Common, 4th June (B Leecy). Away from the moors and mosses a single was recorded at Lightfoot Green, Preston on 5th September (S Palmer).

2142 **Beautiful Yellow Underwing** *Anarta myrtilli* (Linn.) – apart from 1 on Caton Moor (Starling Learning Environmental Impact Survey) the only other records received for 2010 all came from Cockerham Moss with 6 records, 2nd June – 16th August (S Palmer).

2152 **White Colon** *Sideridis albicolon* (Hubn.) – 2 records, both from a garden light trap in Crosby, 5th June and 9th July (J Donnelly).

2164 **Broad-barred White** *Hecatera bicolorata* – 1 at Oswaldtwistle on the 24th June (B Clegg) was a new 10K record and the only one from the nine records received that was away from the coast.

2165 **Small Ranunculus** *Hecatera dysodea* (D. & S.) – this species continues its residency in the south of the county, although with lower numbers recorded than in previous years, with 1 at Little Crosby on 18th July (C Fletcher).

2171 **Marbled Coronet** *Hadena confusa* (Hufnagel) – all 7 records from VC60 with the bulk from Sunderland (J Girdley). Singles in garden light-traps were recorded at Yealand Conyers, 20th May (B Hancock), Bispham, 29th May (B Brigden) and Torrisholme, 5th June (A Draper).

2177 **Hedge Rustic** *Tholera cespitis* (D. & S.) – 3 records received, all singles - Yealand Conyers, 18th August (B Hancock), Formby, 31st August (R Walker) and Freshfield Dune Heath, 2nd September (J Donnelly, C Fletcher).

2183 **Blossom Underwing** *Orthosia miniosa* (D. & S.) – a poor showing with just one record, a singleton at Silverdale on 10th April (B Hancock).

2185 **Lead-coloured Drab** *Orthosia populeti* (Fabr.) – 1 recorded at Adlington on 3rd April (P Pugh) was the first record since 2004.

2201 **Shore Wainscot** *Mythimna litoralis* (Curtis) - 5 records received, all from the Formby area, 16th June – 22nd August (T Davenport, R Walker).

2204 **Obscure wainscot** *Mythimna obsoleta* (Hubn.) – 1 at Hardy Grove, Swinton (G Riley) was a new 10K record.

2214 **Chamomile Shark** *Cucullia chamomillae* (D. & S.) – interestingly, all records came from VC60 – 1 at Heysham Nature Reserve, 19th April (HNR Team), 1 Carnforth, 4th May (J Rae), singles at Bispham on 7th and 9th May (B Brigden), and 1 at Heysham, 30th May (J Holding).

2221 **Mullein** *Shargacucullia verbasci* – all records received were of larval sightings. 5 at Silverdale, 7th June (B Hancock, G Jones), 6 at Yealand Conyers, 14th June (B Hancock), and 1 at Burnley on 3rd July (G Gavaghan) was a new 10K record.

2225 **Minor Shoulder-knot** *Brachylomia viminalis* (Fabr.) – 5 of the 9 records received came from a garden light-trap in Adlington (P Krischkiw). Singles were also recorded at Silverdale, 23rd July (R Griffiths), Horwich, 1st August (R Burkmar) and German Lane, Euxton 30th July (E Langrish). The maximum recorded was 3 nectaring on Ragwort at Birkdale Green Beach on 14th August (G Jones).

2227 **Sprawler** *Asteroscopus sphinx* (Hufnagel) – singles were recorded at Gait Barrows, 4th October (R Petley Jones), Millhouses, 16th October (J Girdley) and 5th November (G Jones), Yealand Conyers, 22nd October (B Hancock)

and Leighton Moss, 30th October (J Beattie).

2231 **Deep-brown Dart** *Aporophyla lutulenta* (D. & S.) – three records, all from Hale, 1 on 20th September, 1st October, and 7th October (C Cockbain).

2235 **Tawny Pinion** *Lithophane semibrunnea* (Haw.) – compared to the continued increase in the population of Pale Pinion within the county, Tawny Pinion continues to be a scarce moth, with just 10 records during 2010, all widely spread throughout the county with the majority spring records.

2237 **Grey Shoulder-knot** *Lithophane ornitopus* (Hufnagel) – 1 at Cold Park Wood, Wray, 19th March (J Girdley), Adlington, 10th April (P Krischkiw) and Brinscall, 19th March (E Langrish) were all new 10K records.

2259 **Dark Chesnut** *Conistra ligula* (Esper) – generally a poor year for this species with only 24 records received compared to 62 in 2009 and 59 in 2008.

2265 **Flounced Chestnut** *Agrochola helvola* (Linn.) – 6 records received all from the north, with a maximum count of 12 at Baines Crag on 30th August (J Girdley).

2266 **Brown-spot Pinion** *Agrochola litura* (Linn.) – only 4 records received, and widely spread around the County – 1 Rainford, 10th September (A Cheney), 1 Carnforth, 10th September (J Rae), 1 Gait Barrows 4th October (R Petley Jones), and 2 Hale 8th October (C Cockbain).

2270 **Lunar Underwing** *Omphaloscelis lunosa* (Haw.) – the striking decline of this once common species continues with only 14 records in 2010 and a maximum count of a meagre 3 at Sunderland on 22nd September (J Girdley).

2271 **Orange Sallow** *Xanthia citrigo* (Linn.) – numbers slightly down on previous years with 8 records received in total (compared to 17 in 2009). 1 at Singleton on 21st September (B Dyson) and 1 at Ormskirk, 11th September (E Langrish) were both new 10K records.

2272 **Barred Sallow** *Xanthia aurago* (D. & S.) – apart from 1 at Bretherton on 28th September (A Barker, E Langrish), all records came from Hale, with 6 records, 29th September – 9th October, and a maximum count of 4 on 3rd October (CC)

2275 **Dusky-lemon Sallow** *Xanthia gilvago* (D. & S.) – 1 at Hale on 18th September was the first record in the county since 2007 (C Cockbain).

2281 **Alder Moth** *Acronicta alni* (Linn.) – a good year for this species, with 4 new 10K records. 1 at Astley Moss, 21st May (G Riley, I Walker), 1 Upper Leck Beck, 21st May (P Marsh), 1 Hindley Green, 4th June (S Tranter) and 1 Hoghton, 4th June (G Dixon).

2283 **Dark Dagger** *Acronicta tridens* (D. & S.) – 5 confirmed records in 2010. A single larva at Starr Hills, St Annes on 3rd June (G Jones) and 4 confirmed via dissection- 3 from Sunderland, 4th, 17th and 25th June and 1 from Botton Mill on 10th July (J Girdley).

2286 **Light Knot Grass** *Acronicta menyanthidis* (Esper) – 3 Starker's Moor, 19th May (P Marsh, T Whittaker), 2 Trough Summit, 19th May (J Girdley), 1 Yealand Redmayne, 21st May (S Stokes), 4 Trough Road, 3rd June (J Girdley), 1 Langfield Common, 4th June (B Leecy), 1 Dolphinholme 4th June (T Whittaker), 1 Cross of Greet 16th June (P Marsh).

2291 **Coronet** *Craniophora ligustri* (D. & S.) – 1 at Bispham on 19th June (B Brigden) and 1 at Wilpshire, Blackburn, 4th July (J & T Davie) were both new 10K records and the first ever records away from the Silverdale limestone area.

2301 **Bird's Wing** *Dypterygia scabriuscula* (Linn.) – 1 at Astley Moss, 3rd June, 23rd June and 27th June (I Walker) and 1 at a garden light trap in Widnes on 12th June and 18th September (P Hillyer).

2322 **Light Arches** *Apamea lithoxyla* (D. & S.) – an unusually early record came from Martin Mere on 4th May (A Bunting).

2325 **Crescent Striped** *Apamea oblonga* (Haw.) – 1 at Sunderland on 10th July (J Girdley) and 1 nectaring on Ragwort at Birkdale Green Beach on 14th August (G Jones).

2327 **Clouded Brindle** *Apamea epomidion* (Haw.) – singles at Mill Houses, Wray on 13th, 25th, 30th June and 10th July (P Marsh), Yealand Conyers, 27th June, 6th and 8th July (B Hancock), Leighton Moss 8th and 15th July (J Beattie et al.) and Silverdale 28th June (B Hancock).

2329 **Confused** *Apamea furva* (D. & S.) – 1 at a garden light trap in Formby on 2nd July (A & S Parsons) was the only record in 2010. This is the first record for VC59 since 2005 and the first on the Sefton Coast since 1952.

2344 **Least Minor** *Photodes captiuncula* (Treits.) – 1 at Gait Barrows on 11th June (R Hilton) and 1 at Warton Crag on 16th June (S Palmer).

2348 **Lyme Grass** *Chortodes elymi* (Treits.) – 1 recorded at Crosby on 23rd June (C Fletcher) and another at Formby on 19th July (T Davenport). These are the first and second records for the County. Amazingly a subsequent article in the group newsletter produced a further 3 records from St Anne's in 2009, with singles on 20th, 26th and 27th June (P Davies). Such a surge of records of what was presumed to be a strictly east coast species suggests that this species could now be resident on the Sefton and Fylde Coast.

2354 **Sandhill Rustic** *Luperina nickerlii* ssp. *gueneei* Doubl. – the annual survey produced peak counts of 41 at Southport on 14th August (G Jones) and 16 at Birkdale Green Beach on 22nd August (R Burkmar) suggesting an earlier emergence than usual.

2357 **Large Ear** *Amphipoea lucens* (Frey.) – 1 at Cuerden Valley Park on 6th August (S Palmer) and 2 at Longridge Fell on 7th September (A Barker) were both new 10K records – both gen. det.

2362 **Butterbur** *Hydraecia petasitis* Doubl. – the only record for 2010 was from Flixton on 12th August (K McCabe).

2367 **Haworth's Minor** *Celaena haworthii* (Curtis) – Maximum count of 10 at Leck Fell on 30th August (J Girdley), with singles at Dolphinholme 16th August (N Rogers), Belmont 26th, 27th August (A Bateson), Blaze Moss 31st August (B Dyson), Calderbrook 2nd September (Y Mynett, S Pinnington), Heysham 4th September (J Holding) and Adlington 4th September (P Krischkiw).

2377 **Fen Wainscot** *Arenostola phragmitidis* (Hubn.) – away from Leighton Moss, singles were recorded at Heysham Nature Reserve on 7th and 8th August (HNR Team) and Crosby on 15th August (J Donnelly).

2379 **Small Rufous** *Coenobia rufa* (Haw.) – 1 at White Moss on 2nd August (J Girdley) and Cuerden Valley Park on 6th August (A Barker, E Langrish et. al.), were both new 10K records.

2391 **Silky Wainscot** *Chilodes maritimus* (Tauscher) – 1 at Heysham Moss Nature Reserve on 29th June (HNR Team) was a new 10K record.

2394 **Anomalous** *Stilbia anomala* (Haw.) – singles at Heysham Nature Reserve 17th August (HNR Team), Ramsden Head Clough 26th August (B Leecy) and Littleborough 1st September (I Kimber), with larval records from Ramsden Wood Clough on 5th and 20th March (B Leecy).

2397 **Small Yellow Underwing** *Panemeria tenebrata* (Scop.) – 1 Fleetwood Nature Park 23rd May (B Dyson), 1 Hardy Farm, Chorlton 23rd May (K McCabe, B Smart et. al.), 1 Bispham Marsh, 28th May (B Brigden), 1 Gait Barrows, 30th May (B Hancock), and 2 German Lane, 5th June 2010 (E Langrish, S Priestley).

2410 **Marbled White Spot** *Protodeltote pygarga* (Hufnagel) – an incredible 25 records were received in 2010 with the bulk from the mosslands of Astley and Cadishead with a maximum count of 14 on 25th June (K McCabe). Away from the mosslands individuals wandered to nearby garden light traps at Flixton 26th June (K McCabe), Ellenbrook 30th June (P Mansfield) and Hardy Grove on 1st and 7th July (G Riley).

2412 **Silver Hook** *Deltote uncula* (Clerck) – 16 were recorded at Yealand Storrs on 30th June (S Palmer). Singles at Birkdale Sand Dunes, 24th May (J Clews) and Middleton Nature Reserve, 12th June (J Girdley), were both new 10K records.

2421 **Scarce Silver-lines** *Bena bicolorana* (Fuessly) – 1 Euxton, 6th July (R Hoults), 1 Ellenbrook, 7th July (P Mansfield), and 1 Horwich, 11th July (R Burkmar).

2437 **Golden Plusia** *Polychrysis moneta* (Fabr.) – 1 Hardy Grove, 8th July (G Riley), and 1 Yealand Conyers, 10th and 25th July and 3rd August (B Hancock).

2444 **Gold Spangle** *Autographa bractea* (D. & S.) – the decline continues, with just 6 records in 2010; 1 Broadgate, Preston 27th June (G Jones), 1 Rochdale, 29th June (P Stevens), 1 Mill Houses, 10th July (P Marsh), 1 Hoghton, 16th July (G Dixon), 1 Calderbrook, 25th July (Y Mynett, S Pinnington), and 1 Yealand Conyers, 25th July (B Hancock).

2447 **Scarce Silver Y** *Syngrapha interrogationis* (Linn.) – 1 at Calderbrook on 13th July (Y Mynett, S Pinnington) was the first County record since 2006.

2463 **Burnet Companion** *Euclidia glyphica* (Linn.) – singles recorded at Warton Crag on 9th and 16th July (C Peacock) were the first records for the County since 2006.

2470 **Small Purple-barred** *Phytometra viridaria* (Clerck) – 1 Birkdale Green Beach, 30th May (G Jones), 1 Starr Hills, St Anne's, 3rd June (G Jones), 12th June (G Jones, S Palmer), and 23rd June (J Langmaid, S Palmer), 1 Formby, 11th July (R Walker), 26th July (M Dean, R Hill), and 14th August (R Hilton, P Clarke).

2473 **Beautiful Hook-tip** *Laspeyria flexula* (D. & S.) – 1 Lower Burgh Meadows 26th June (E Langrish), 1 Sutton Leach, St Helens 27th June (S Briers) and 1 Haydock, St Helens 9th July (G & D Atherton).

2476 **Beautiful Snout** *Hypena crassalis* (Fabr.) – 10 Lord Lot Bog, 8th June (R Neville, S Ryder), and 2 Brinscall, 16th July (A Barker, E Langrish).

2485 **Marsh Oblique-barred** *Hypenodes humidalis* Doubl. – 1 Orrell, 6th August (P Alker), 1 Dolphinholme, 18th August, 18th August (N Rogers), and 1 Leighton Moss, 23rd August (J Beattie et. al.).

Micromoth Report

Steve Palmer

Over 15,000 records of micromoths were submitted by the moth recorders covering Lancashire's two Vice Counties (VC59 and VC60) during 2010. These included 438 different species from VC60 and 464 in VC59 highlighting the continuing growth in interest in this group of moths. The large number of species precludes mentioning each individually and as a consequence only a summary of some of the more interesting, localised and notable species is presented below, including those new to one or other of the VCs (denoted in **bold**). The six micros new to the county as a whole included three previously over-looked residents, one introduced with planted trees several years ago but only recently discovered, one introduced with bird food and one newly arrived species. Both of the new VC records are considered to be over-looked residents.

The majority of moths listed below are new to the 10km squares in which they were located. Although quite a few have come from garden trap sites, many others are as a result of daytime visits, larval rearing or light trapping visits to different locations and habitats away from gardens. Rearing of larvae and looking for feeding signs are often much more successful than light trapping and I would urge all recorders to give this a try.

The hard winter of 2009/10 seems to have benefited some of our long term resident species, while interestingly the converse may also be true for the more recently arrived species or those which have shown a marked expansion in their range. On the plus side for example, *Carpatolechia fugitivella*, an Elm feeder, has been noted in a range of new areas including Singleton (B Dyson), Hardy Grove (G Riley), Morecambe (J Girdley) and Wigan (G and B Wynn). One species that has done less well is *Tachystola acroxantha*. Over the last decade it has steadily expanded its range in the county following many years of localised abundance within certain parts of the Mersey valley. During 2010, the expansion came to a grinding halt and overall number reported declined significantly. Similarly, the abundant *Epiphyas postvittana* (Light Brown Apple Moth) was well down in numbers from the previous four year average – 1540 site records (average) from 2006 to 2009, compared with 791 records in 2010. It is possible to speculate that the hard winter of 2009/10 may have been responsible and following the generally cold winter just past it will be interesting to see if this decline continues.

Regular studies of moth communities adjacent to saltmarsh have been a feature sadly missing in Lancashire, until recently. A few years back John Girdley started running a light trap in a garden of one of the last houses before Sunderland Point with the kind permission and assistance of the Morbey-Ganley family. Although the micromoths tend to be less inclined to wander off the marshes than their larger counterparts this trap has turned up some fascinating records, some of which are listed in the report below. One genus that had only a few records from this area has been the *Scrobipalpa*. They tend to look very similar and can be quite variable in markings making them a tricky group to study. During 2009/10 John kept a small selection of this group for closer examination and the following species were identified following dissection by SMP - *Scrobipalpa samadensis* (Staint.), *S. instabilella* (Dougl.), *S. salinella* (Zell.), *S. nitentella* (Fuchs) and *S. costella* (H. & W.). It is likely that many if not all of these species will be present in other extensive areas of Saltmarsh. Some areas have been visited but others would benefit from even daytime visits where this genus is easily disturbed.

Only one of our micromoth species occurs on the National BAP list and this is *Anania funebris*, the beautiful black, white and yellow day-flying moth that can be seen in May on the limestone areas of north Lancashire. During 2010 it was recorded between the 9th May and 12th June at three known sites within 10km square SD47 by several recorders. The maximum number seen was eight at Gait Barrows on 13th May.

Thanks to all of you who have submitted records for 2010 and I look forward to a bumper crop of records in 2011. I am always happy to receive specimens or good quality photos of micromoths to identify, particularly from areas where this group has not been studied before (see “Number of species per 10km sq” by Kevin McCabe on the Lancashire Moth Group website - www.lancashiremoths.co.uk/visitor/MothListAndMaps.aspx). One request for those submitting their records via Mapmate – it is important that when a specimen has been identified by someone other than yourself (this of course applies equally to the macromoths as well as the micros) that you name that person as the *Determiner* when submitting a record. If there are any subsequent questions about the record it will be known whom to address the questions to.

NEPTICULIDAE

65 *Stigmella speciosa* (Frey) – Walton (SJ3696) mines on *Acer pseudoplatanus* (Sycamore) 2.10.10 – K McCabe

72 *Stigmella myrtillella* (Staint.) – Turton (SD7217) mines on *Vaccinium myrtillus* (Bilberry) 11.10.10 – K McCabe

104 *Stigmella magdalenae* (Klim.) – Hurstwood (SD8830) vacated mines on *Sorbus aucuparia* (Rowan) 1.9.10 – S H Hind, K McCabe. **New to Lancs.**

INCURVARIIDAE

135 *Lampronia luzella* (Hubn.) – Cockerham Moss (SD4448) 7.6.10 – S M Palmer

138 *Lampronia fuscata* (Tengst.) – Cockerham Moss (SD4448) 2.6.10 – S M Palmer

143 *Nematopogon metaxella* (Hubn.) – White Moss (SD4976) 12.6.10 – J Girdley

PSYCHIDAE

200 *Psychoides filicivora* (Meyr.) – Hardhorn (SD3538) 3.9.10 – AES; Poulton-le-Fylde (SD3539) 27.9.10 – B Dyson

GLYPHIPTERIGIDAE

395 *Glyphipterix haworthana* (Steph.) – Langfield Common (SD9521) larvae 27.2.10 – B Leecy

YPONOMEUTIDAE

0409b *Argyresthia cupressella* Wals. – Heysham (SD4162) 30.6.10 – D J Holding

428 *Yponomeuta rorrella* (Hubn.) (Willow Ermine) – Chorlton, north bank of R. Mersey (SJ8192) larval web on *Salix alba* (White Willow) 20.6.10, moths reared – B Smart

443 *Cedestis subfasciella* (Steph.) – Southport (SD3518) 4.6.10 – A Barker

445 *Ocnerosstoma friesei* Svens. – Astley Moss (SJ7097) 24.4.10 – I Walker, G Riley, gen. det. S M Palmer; Hardy Grove (SD7600) 28.8.10 – G Riley, gen. det. S M Palmer. **New to Lancs.**

458 *Ypsolopha alpella* ([D. & S.]) – Flixton (SJ7493) 2.9.10 – K McCabe

463 *Ypsolopha vittella* (Linn.) – Morecambe (SD4263) 5.8.10 – J Girdley; (Wigan SD5807) 1.9.10 G & B Wynn

469 *Eidophasia messingiella* (Fisch. V. Rosl.) – Lower Burgh Meadows (SD5715) 18.6.10 – E Langrish; Adlington (SD6013) 30.6.10 – P Krischkiw

SCHRECKENSTEINIIDAE

485 *Schreckensternia festaliella* – (Hubn.) – Wigan (SD5705) 15.4.10 – P J Alker, det. C A Darbyshire

COLEOPHORIDAE

494 *Coleophora coracipennella* (Hubn.) – Hutton (SD4926) 30.6.10 – A Barker

496 *Coleophora milvipennis* Zell. – Cadishead Moss (SJ6995) 21.6.10 – K McCabe

517 *Coleophora alcyonipennella* (Kollar) – Dolphinholme (SD5252) 21.5.10 – N A J Rogers

519 *Coleophora deauratella* L. & Z. – St. Annes (SD3130) 23.6.10 – J R Langmaid, S M Palmer, gen. det. **New to VC60**

553 *Coleophora striatipennella* Nyl. – King's Moss (SD5001) 25.6.10 – C A Darbyshire

ELACHISTIDAE

600 *Elachista luticomella* Zell. – Cockerham Moss (SD4448) 16.6.10 – S M Palmer

626 *Biselachista serricornis* (Staint.) – Cockerham Moss (SD4448) 16.6.10 – S M Palmer

630 *Biselachista albidella* (Nyl.) – Cockerham Moss (SD4448), 7.6.10 – S M Palmer

OECOPHORIDAE

654 *Pleurota bicostella* (Clerck) – Cadishead Moss (SJ6995), common, 21.6.10 – K McCabe

687 *Exaeretia allisella* Staint. – Cadishead Moss (SJ6995) 26.7.10 – K McCabe

704 *Agonopterix scopariella* (Hein.) – Hardy Grove (SD7600) 10.4.10 – G Riley

705 *Agonopterix umbellana* (Fabr.) – Freshfield Dune Heath (SD3009) 21.3.10 – G Jones

713 *Agonopterix angelicella* (Hubn.) – Yealand Storrs (SD4976) larvae 30.6.10 – S M Palmer

714 *Agonopterix yeatiana* (Fabr.) – Sunderland Point (SD4255) 10.9.10 – J Girdley

GELECHIIDAE

738 *Monochroa tetragonella* (Staint.) – Sunderland Point (SD4255) 30.6.10 – J Girdley, gen. det. S M Palmer. **New to Lancs.**

758 *Recurvaria leucatella* (Clerck) – Adlington (SD6013) 21.7.10 – P Krischkiw, det. S M Palmer

760 *Exoteleia dodecella* (Linn.) – Hutton (SD4926) 30.6.10 – A Barker

774 *Teleiodes luculella* (Hubn.) – Hardy Grove (SD7600) 5.6.10 – G Riley

- 790 *Chionodes fumatella* (Dougl.) – Heysham (SD4059) 11.8.10 – J Girdley, gen. det. S M Palmer
 818 *Scrobipalpa atriplicella* (Fisch. v. Rosl.) – Cadishead Moss (SJ6995) 28.4.10 – K McCabe, gen. det. S M Palmer
- 828 *Caryocolum viscariella* (Staint.) – Dolphinholme (SD5252) 10.8.10 – N A J Rogers
- 834 *Caryocolum tricolorella* (Haw.) – Mill Houses (SD6167) 11.8.10 – P J Marsh, det. J Girdley
- 843 *Aproaerema anthyllidella* (Hubn.) – Hutton (SD4926) 3.7.10 – A Barker, det. S M Palmer
- BLASTOBASIDAE**
 0875a *Blastobasis rebeli* Karsholt & Sinev – **Martin Mere** (SD4214) 11.7.10 – A P Bunting; Cuerden Park (SD5623) 6.8.10 – S M Palmer. **New to Lancs.**
- MOMPHIDAE**
 885 *Mompha conturbatella* (Hubn.) – Formby (SD2707) 5.7.10 – R Walker
- COSMOPTERIGIDAE**
 904 *Spuleria flavicaput* (Haw.) – Flixton (SJ7493) 29.5.10 – K McCabe
- SCYTHRIDIDAE**
 915 *Scythris picaepennis* (Haw.) – St Annes (SD3130) 12.6.10 – S M Palmer
- TORTRICIDAE**
 925 *Phtheochroa rugosana* (Hubn.) – Hale (SJ4683) 3.6.10 – C Cockbain
- 981 *Archips rosana* (Linn.) Rose Tortrix – Penwortham (SD5227) 25.8.10 – G Jones
- 987 *Ptycholomoides aeriferanus* (Herr.-Schaff.) – Norden (SD8713) 11.7.10 P Stevens, det. S M Palmer
- 1000 *Ptycholoma lecheana* (Linn.) – Freshfield Dune Heath (SD2908) 3.7.10 – J Donnelly, C Fletcher; Dolphinholme (SD5252) 12.6.10 – N A J Rogers
- 1040 *Acleris caledoniana* (Steph.) – Longridge Fell (SD6540) 1.8.10 – A Barker gen. det.; Blaze Moss (SD6152) 31.7.10 – B Dyson, gen. det. S M Palmer
- 1052 *Acleris umbrana* (Hubn.) – Yealand Hall Allotment (SD4976) 30.10.10 – G Jones
- 1067 *Celypha cespitana* (Hubn.) – St Annes (SD3130) 23.6.10 – J R Langmaid, S M Palmer
- 1079 *Piniphila bifasciana* (Haw.) – Formby (SD2707) 7.6.10 – R Walker, det. S M Palmer
- 1084 *Hedya ochroleucana* (Frol.) – Mill Houses (SD6167) 9.7.10 – P J March, det J Girdley
- 1086 *Hedya salicella* (Linn.) – Sunderland Point (SD4255) 30.6.10 – J Girdley
- 1094 *Apotomis capreana* (Hubn.) – Leighton Moss (SD4774) 26.6.10 – J Girdley
- 1102 *Endothenia nigricostana* (Haw.) – Martin Mere (SD4214) 7.6.10 – A P Bunting
- 1111a *Bactra lacteana* Caradja – White Moss (SD4976) 12.6.10 – J Girdley, gen. det. J R Langmaid
- 1112 *Bactra robustana* (Christoph) – Sunderland Point (SD4255) 3.7.10 – J Girdley
- 1115 *Ancylis achatana* ([D. & S.]) – Hardy Grove (SD7600) 25.6.10 – G Riley; Formby (SD2707) 4.7.10 – R Walker
- 1128 *Ancylis myrtillana* (Treits.) – Flixton (SJ7493) 4.6.10 – K McCabe
- 1131 *Epinotia subsequana* (Haw.) – Hurst Green (SD6639) 28.4.10 – D Lambert, gen. det. S M Palmer. **New to Lancs.**

1167 *Gypsonoma aceriana* (Dup.) – Little Crosby (SD3201) 10.8.10 – J Donnelly, C Fletcher

1179 *Epiblema incarnatana* (Hubn.) – Dolphinholme (SD5252) 18.7.10 – N A J Rogers

1205a *Spilonota laricana* (Hein.) – Lord Lot Bog (SD5470) 12.8.10 – J Girdley, S Ryder

1242 ***Grapholita internana*** (Guen.) – Flixton (SJ7393) 28.5.10 – K McCabe. **New to VC59**

1245 *Grapholita janthinana* (Dup.) – Swinton (SD7600) 25.6.10 – G Riley; Norden (SD8713) 2.7.10 – P Stevens; Adlington (SD6013/14) 5.7 /11.7.10 – P Krischkiw / P Pugh

1252 *Grapholita lunulana* ([D. & S.]) – Fleetwood (SD3346) 24.5.10 – B Dyson et al

PYRALIDAE

1292 *Calamotropha paludella* (Hubn.) – Hardy Grove (SD7600) 28.7.10 – G Riley

1297 *Crambus uliginosellus* Zell. – Dolphinholme (SD5252) 23.6, 25.6.10 – N A J Rogers

1300 *Crambus pratella* (Linn.) – Formby (SD2805) 22.6.10 – R Walker

1365 *Pyrausta despicata* (Scop.) – Dolphinholme (SD5252) 20.7.10 – N A J Rogers; Heysham (SD4059) 31.7.10 – Heysham NR Team

1433 *Cryptoblabes bistriga* (Haw.) – Botton Mill (SD6463) 25.6.10 – J Girdley; Euxton (SD5618) 30.6.10 – E Langrish

1470 *Euzophera pinguis* (Haw.) – Hindley Green (SD6203) 7.7.10 – S Tranter

1474 ***Ephestia parasitella*** Staud. – Leighton Moss (SD4774) 3.8.10 – S M Palmer, gen. det. **New to Lancs.**

1485 *Phycitodes maritima* (Tengst.) – Flixton (SJ7493) 4.8.11 – K McCabe

PTEROPHORIDAE

1506 *Stenoptilia millieridactyla* (Bruand) – Feniscowles (SD6525) 7.7.10 – W C Aspin

1520 *Hellinsia osteodactylus* (Zell.) – Stannings Folly Wood (SD4920) 16.7.10 – A Barker; Ainsdale (SD3011) 22.7.10 – R Moyes

Migrant Report 2010

Graham Jones

A lacklustre year for migrants, with little to report. The highlight was undoubtedly the 2 **Four-spotted Footman** records, both from near Preston, and within a few days of each other at the end of July. Other highlights were 2 **Gem** from North Lancs, and a **Death's - head Hawk** in Rochdale. **Humming-bird Hawk** numbers fared better than the other commoner migrants that were generally more noticeable by their absence.

0464 **Diamond-back Moth** *Plutella xylostella* (Linn.) – First record Orrell, 24th April (P Alker); last record Lightfoot Green, 4th November (S Palmer). No noticeable influxes, with a maximum count of just 4, Aston Hall Garden Centre, 9th October (S Palmer)

1395 **Rusty-dot Pearl** *Udea ferrugalis* (Hubn.) – 1 Heysham Nature Reserve (P Marsh et al), 20th August, 1 Dolphinholme, 10th October (N Rogers), 1 Adlington, 13th October (P Pugh)

1398 **Rush Veneer** *Nomophila noctuella* (D. & S.) – an unremarkable year for this species with just 24 records, and no notable numbers, with all records relating to singletons. First record, Fulwood, 8th April (A Powell) and last record, Heysham, 14th October (J Holding).

1720 **Gem** *Orthonama obstipata* (Fabr.) – 1 Dolphinholme, 10th October (N Rogers), and 1 Yealand Conyers, 21st October (B Hancock).

1973 **Death's - head Hawk-moth** *Acherontia atropos* (Linn.) – 1 was found at Healey Stones, Rochdale, on 6th September (unknown recorder) and brought along to a Rochdale Field Naturalists' event.

1984 **Humming-bird Hawk-moth** *Macroglossum stellatarum* (Linn.) – 27 records received, with a maximum count of 2 at Warton Crag, 21st August (C Peacock). The first record for the year was at St Helen's, 28th June (S Briers), with records widely scattered throughout July and August. The last record for the year was at Gregson Lane on 1st November (D Tucker).

2051 **Four-spotted Footman** *Lithosia quadra* (Linn.) – 1 Longton, 28th Jul (R Boydell), and 1 Lightfoot Green, 30th

July (S Palmer), were the first records since 2008.

2091 **Dark Sword-grass** *Agrotis ipsilon* (Hufnagel) – the first record of the year came from Formby on 21st March (R Walker), with the next not until 1st May in Adlington (P Krischkiw). 99 records were received in total, with records broadly scattered throughout, the maximum count was of 3 at Mere Sands on 7th September (I Kippax, R Boydell) and the last record for the year was 1 at Dolphinholme on 15th October (N Rogers).

2119 **Pearly Underwing** *Peridroma saucia* (Hubn.) – 1 at Singleton, 4th October (B Dyson), and 1 Adlington, 13th October, along with Rusty-dot Pearl (P Pugh).

2441 **Silver Y** *Autographa gamma* (Linn.) – the first record for 2010 was not until the 1st May at Sunderland (H & T Morbey-Ganley). 24 at Yealand Conyers nectaring on garden flowers on 11th June (B Hancock) was the peak count, with another 20 nectaring at Euxton on 2nd June (E Langrish). A small influx did take place around 20 – 22 August with 10 – 20 recorded at several sites, both during the day and in light traps. The last record for the year was 4 at Lightfoot Green on 4th November (S Palmer).

A detailed look at the.....Geometridae (part)

Steve Palmer

A regular feature of the Annual Report is a detailed look at the status and distribution, in systematic order, of a few of the macromoths recorded in Lancashire, both past and present. The ecology, current status and distribution of each species are presented in a brief summary together with an up-to-date map showing each species known distribution in the two vice counties (59 and 60).

This report covers just six “Carpet” moths in the genera *Chloroclysta*, *Cidaria* and *Plemyria*. In Europe there are eight species within the genus *Chloroclysta*, five of which occur in Britain and four in Lancashire. The British species not found in Lancs., the Arran Carpet, is however considered by some experts to be an ecotype of the Common Marbled Carpet. Both of the other two genera are represented by a single species in Europe.

Distribution maps have been produced for all of the species using Mapmate and only include confirmed records of the species (so may differ slightly from the maps available on the wider Mapmate network). The graph at top right on the maps demonstrates the flight period and average voltinism (number of broods per year). Foodplant information is based on that published in Porter (1997), Skinner (2009) and Waring, Townsend and Lewington (2009).

1760 *Chloroclysta siterata* (Hufnagel) Red-green Carpet

A common and widespread species associated with woodland, hedgerow, gardens and scrubby areas in both lowland and upland parts of the county. It over-winters as an adult and is one of only a very few single-brooded species that have been found as a moth in every month of the year. The moth is attracted to light and occasionally to sugar, the peak flight period being from mid September to early November. Following hibernation it can be found from mid March to the end of May, but in significantly lower numbers. There have been some indications of an increase in the numbers of this moth coming to light over the last decade. The larva feed primarily on Oak but also Birch, Rowan, Blackthorn, Apple, Cherry and Dog-rose.

An all green form of this species occurs sparingly across the county. This form does occasionally cause confusion as it is somewhat similar to the Autumn Green Carpet. The differences between the two species are covered in Waring, Townsend and Lewington (2009).

1761 *Chloroclysta miata* (Linn.) Autumn Green Carpet

This is a local species of the higher parts of the two vice counties although it has been encountered regularly in small numbers in the lowland limestone area of north Lancs. Elsewhere in lowland Lancashire it is rare species of erratic appearance. Potential specimens away from its usual haunts should be checked to exclude the all green form of Red-green Carpet. The moth is single brooded, over-wintering as an adult and flying initially from early September to early November. After hibernation it appears again from early April to late May, but is encountered in smaller numbers at this time. The latest post hibernation date on record is 29th May 1994 in Claughton (M. Broomfield) and the earliest emergence date the 24th August 2003 in Woodwell (R. Griffiths, L. Sivell and J. Swift). The larva feed on Birch, Sallow and other deciduous trees including Alder, Lime and Rowan.

1762 *Chloroclysta citrata* (Linn.) Dark Marbled Carpet

There are few moths in Lancashire that have caused more misidentification problems than this local species. The distribution map widely available on the group copy of Mapmate has quite a few errors in it, so the one used in this article comes from the verified data submitted to the National Moth Recording Scheme. Additionally there are indications that this moth may have declined in lowland areas over recent decades. Until 1995, it was recorded regularly in small numbers in a Billinge garden (C. Darbyshire). Subsequently, it has only been found three times at this site, twice in 1996 and once in 2004. Two other well recorded locations in Flixton and Preston have never recorded the moth since trapping started there in, respectively, the early and mid 1990s. The last confirmed record in lowland

Lancashire was in 2007 at Bispham, incidentally the only record from this site and presumably that of a wanderer.

Waring, Townsend and Lewington (2009) describe how similar Dark Marbled (*citrata*) and Common Marbled Carpet (*truncata*) can be and include a couple of useful features to help separate them. The first clue in Lancashire however (although not fully definitive due to overlap) is the flight period of *citrata*. It is single brooded (unlike *truncata* which is double brooded) and is on the wing from mid July to early September. Therefore potential specimens recorded before mid July and after early September are much less likely to be this species. Most recent confirmed records have been associated with scrubby moorland edge and upland wooded river valleys. The larva feed on many, mainly woody, plants including Birch, Heather, Bilberry and Sallow.

1764 *Chloroclysta truncata* (Hufnagel) Common Marbled Carpet

This is a widespread and very common species across most of the county displaying a very variable range in its wing colouration. Some are almost completely dark grey while another form has a distinctive strong orange patch in the centre of the wing. The considerably more local Dark Marbled Carpet is usually brighter and more sharply coloured. The Common Marbled Carpet is double brooded flying from May to early July and again from mid/late August to early November. Extreme early and late dates are 22nd April 2009 in Lancaster (C. Barnes) and 25th November 1999 in Pennington (P. Pugh). It occurs in almost all habitat types and the larva utilise many different plants including such woody species as Birch, Bilberry, Bramble, Heather, Privet, Hawthorn and others such as Dock.

1765 *Cidaria fulvata* (Forster) Barred Yellow

This attractive and unmistakable species has been recorded widely across the county. It is attracted to light in most years in very small numbers wherever the larval foodplants (Dog Rose, Burnet Rose and probably other species of wild and cultivated types of rose) occur. The moth is single brooded and on the wing from early June to the end of July. Extreme dates are 15th May 2000 in Bispham (B. Brigden) and the 19th August 2000 near Walton Summit (S. McWilliam).

1766 *Plemyria rubiginata* (D. & S.) Blue-bordered Carpet

This distinctive moth is found locally across much of lowland Lancashire but more frequently adjacent to damp areas than elsewhere. In the higher parts of the county it is more restricted in its distribution showing a preference for sites where Alder occurs. The moth is single brooded and on the wing during July and August. Extreme dates are 20th June 2007 at Bold Moss, St Helens (G. and D. Atherton), 6th September 1998 in Colne (S. Stone) and 6th September 2009 in Worsley (I. Walker). The larva feeds primarily on Alder and Blackthorn but will also occasionally utilise Birch, Hawthorn, Plum and Apple.

References:

Porter, J., 1997. The Colour Identification Guide to Caterpillars of the British Isles.

Skinner, B., 2009. Colour Identification Guide to Moths of the British Isles - 3rd Edition.

Waring, P., Townsend, M. and Lewington, R., 2009. Field Guide to the Moths of Great Britain and Ireland - 2nd Edition.

Events 2011

Saturday, 28 May

Marsh Fritillaries in North Cumbria
Finglandrigg Wood NNR west of Carlisle

12:00pm at Finglandrigg Woods NNR: an opportunity to see the re-introduced Marsh Fritillary. Steve Doyle will be showing us the butterflies and explaining more about the successful re-introduction of this beautiful species.

The reserve is approximately 13 km west of Carlisle. Follow the B5307 Kirkbride road, go through Kirkbampton village and after 1.5 km you will see Haverlands lay-by on the left. You can park here by the Natural England sign.

http://www.natureonthemap.org.uk/map.aspx?map=nreserves&feature=1006054,nnr,REF_CODE,LABEL

Alternatively, if you are coming from the south, you can meet Derrick Smith outside the Tourist Information Office at the M6 Southwaite services at 11:00am and convoy to the reserve. Please ring Derrick Smith beforehand on 01253 356173 to book a place and arrange where you will meet.

Saturday, 28th May

8pm Coronation Park, Ormskirk

Meet at the Bowling Green SD 411081. Talk on moths 8pm followed by moth trapping demonstration between 9.30-11.30pm. Further details, contact Eddie Langrish 01257 232100 Email edwinlangrish@btinternet.com

Sunday, 29th May

10am Coronation Park, Ormskirk

Meet at the Bowling Green SD 411081. Talk on moths 10am, includes trap opening 10.30am. (See the moths from the previous night's catch.) Further details as above.

Sunday, 5th June

Moths and butterflies of Lower Burgh Meadows

Meet Yarrow Valley Visitors Centre SD 570152. Talk on moths from **10am** which includes trap opening from previous night's catch.

Butterfly & Day-flying moth walk **1pm**

Meeting point as above. For further details contact Eddie Langrish tel 01257 232100 or email edwinlangrish@btinternet.com

Saturday, 18 June

In search of the Large Heath

12:00pm Winmarleigh Moss, near Pilling The walk will have a specific target of finding the rare Large Heath butterfly but many other species of moth and butterfly can usually be seen on this lowland heather site. This walk takes you over some rough terrain on uneven, scrubby ground, so please come suitably attired. Organiser: Derrick Smith (01253 356173). As parking near the site is very limited and on private land, please meet at the Car Park (with toilets) in the middle of Pilling village (SD 404483). Phone Derrick Smith to confirm if you are coming on 01253 356173.

Sunday, 19th June

Moths and Butterflies of Fishwick Bottoms

Meet Fishwick Bottoms Car Park, off London Road, Preston SD552289. Talk on Moths from **10am** which includes trap opening from previous night's catch.

Butterfly & Day-flying moth walk on the meadow from **1pm**. Meeting point as above.

For further details contact Eddie Langrish tel 01257 232100 or email edwinlangrish@btinternet.com

Sunday, 26th June

Lower Burgh Meadow Conservation Group trip to National Wild Flower Centre

A Lower Burgh Meadows Conservation Group outing. This is not a Moth Group or Butterfly Conservation event - all correspondence and questions should be addressed to Eddie Langrish edwinlangrish@btinternet.com or phone 01257 232100. Tickets Adults £11.00 Children over 3's £5.00 - includes transport, entrance fee and informative talk (optional). For information on the wildflower centre see www.nwc.org.uk

Saturday/Sunday, 2nd & 3rd July

RSPB Leighton Moss - Annual Moth Event and Moth Breakfast

The event starts with a moth trapping demonstration on Saturday night from 10pm and through the night. On Sunday morning (8am to 10 am) the RSPB have arranged their usual moth breakfast. Booking is essential for the breakfast which is followed by the opportunity to examine the moths caught overnight. Cost: £8 (£7 RSPB members) including cooked breakfast. For further details and booking for the breakfast phone the RSPB - 01524 701601.

Sunday 3rd July

Dark Green Fritillary and Ringlet in the Goyt Valley

10.30am to 1.00pm Meeting point: Small car-park at SK018758. Ringlet has been recorded over the last few years in

a small area close to the meeting point. Dark Green Fritillary also appeared to have colonized the area in 2010. The walk is very short (about 1km) but does involve some short, steep climbs. Suitable footwear and refreshment are recommended. Leader: Phil Kinder Tel 0161 4305107 Mobile: 07747 481463

Sunday 10th July

Butterflies of meadow and woodland

12.00 – 2.00pm Beacon Country Park, Upholland – target species include Speckled Wood, Gatekeeper, Common Blue, Comma, Small Copper and the general butterflies and day flying moths of Beacon Country Park. Would suit those beginning their interest in Lepidoptera and with a general interest in natural history. Binoculars are useful for observing butterflies as well as birds! There are designated paths, tracks and rides with some slopes and slightly rough ground. Light walking boots advised. Beacon Country Park is West Lancashire Borough Council's main countryside site, consisting of over 300 acres of rolling countryside on the slopes of Ashurst Beacon above Skelmersdale.

Meet at the Visitor Centre Car Park (SD 505066) by the Ranger Service hut. The entrance to the Country Park Visitor Centre is on Elmers Green Lane, off Beacon Lane, which runs between Upholland and Dalton. It is locally well signposted. If weather forecast looks bad please contact the Organiser, Dr Richard Charles. Telephone: 01257 464604 Mobile: 07802 83 84 32 Email: RichardGCharles@aol.com

Sunday 10th July

White Letter Hairstreak in Chadkirk Country Park

10.30am to 1.30pm Meet at Main car-park adjacent to A627 at SJ936896 at 10.30am
An easy walk of approx 3km to see the White letter Hairstreak that breed on numerous elms around the country park. As in 2010, it is also hoped to arrange a visit to the excellent wild-flower meadow that has been created here. Suitable footwear and refreshment recommended. Leader: Phil Kinder Tel: 0161 4305107 Mobile: 07747 481463

Saturday 16th July

Formby Dunes (National Trust), Walk (2pm) and Moth Trapping (9pm)

An afternoon walk of a couple of hours around this exciting area of coastal dunes and slacks with flowery meadows will be followed in the evening by a moth trapping event. Weather permitting we hope to see many of the specialities of this region including Dark Green Fritillary, Grayling and special attention will be made to finding the day-flying Forester Moth at its only known locality in Lancashire. During the evening/night moth trapping session we would hope to see Grass Eggar and possibly Portland Moth (a bit early) amongst many other species.

Daytime Walk

Meet at 2.00pm at the National Trust's Countryside Office, Blundell Avenue, Freshfield, Formby, Liverpool, L37 1PH (OS Map Grid Ref - SJ 276076) where a member of staff will be there to greet us. Free parking is available on the day.

Moth Trapping

Meet at 9pm at the National Trust's Countryside Office (details above). After a brief introductory talk, light traps will be available for visiting at various locations on NT land. Please equip yourselves with warm, waterproof clothing, suitable walking boots and a torch (essential). If you have your own generator and light set-up that you would like to run on the evening please book this with Steve Palmer (number below) in advance – this is essential as we need to know numbers with generators beforehand. Some transport of light trapping equipment by Land Rover may be available on the night.

For further details or for confirmation of the event going ahead in the case of inclement weather please phone Stephen Palmer on 01772 861570.

Sunday, 17 July

Summer Butterflies in the Mersey Valley

2pm - Bradley Lane, Mersey Valley, Sale. Meet at the end of Bradley Lane, Sale (SJ 783932) where there is some car-parking space at the end of the lane at the side of the road. An afternoon guided walk with Peter Hardy, Butterfly Recorder for Greater Manchester to look for grassland butterflies. Stout foot-ware recommended to cope with brambles. Please contact Peter for further details. Tel: 0161 9720725.

Saturday, 23 July

Butterfly and day-flying moth walk around Ash Hill, Flixton.

Meet at 1pm at the end of Ambleside Road, Flixton SJ741943. The walk starts from here to Ash Hill and on the return we will call at my house to view the previous night's moth catch whilst having a cup of tea/coffee and biscuits. For more details contact Kevin McCabe, 0161 748 6429 or e-mail mothmankev@btinternet.com

Sunday, 24 July

Butterfly and Moth stroll at Starr Hills Dunes nature reserve.

1.00pm on Clifton Drive North at SD309307 (west of Blackpool airport) where there is free roadside parking. A chance to see lots of sand dune Graylings where we will inevitably disturb the males as they lay in wait for a passing female. Much more to see as well as we meander around this pleasant site. Contact Barry Dyson on 01253 885144 for further details.

Saturday, 6 August

Moths and Butterflies on Beacon Fell

1.00 pm at Carwags, just east of the Country Park - Grid Ref. SD 578422. I will try and set a moth trap the night before and hopefully will be able to identify what we find! Good walking shoes recommended. Organiser, James Hide 01772 865392

Sunday, 14 August

Wall Butterflies at Summit Nature Reserve

11:00 am - Summit Nature Reserve, near Littlebrough, Rochdale. Follow the A6033 from either Littlebrough or Todmorden and approximately one and a half miles from Littlebrough you will find the Summit Inn on east side of road (SD 947188). Take the unmade track at north side of the pub, cross the canal bridge and park at entrance to Reserve. Stout footwear required. Contact Richard Greenwood, Tel: 01706 351377

Saturday, 20 August

Red Moss, Horwich

Details to follow. Organiser, Jill Mills 01204 692787.

Why not borrow a Moth Trap?

The Lancashire Branch of Butterfly Conservation has two moth traps available for loan (subject to prior bookings) usually for about a fortnight to a month at a time. One is a mains powered very bright mercury vapour bulb equipped Robinson trap, which can catch large numbers of moths in suitable conditions suitable for back gardens. The other is a battery powered 15W Actinic trap which can be used in gardens or elsewhere. Its light output is much lower than the Robinson and consequently it catches fewer moths but it is ideal for areas where the bright light might cause nuisance to neighbours. The traps come with an identification book and are an ideal way to experiment with moth trapping and to see if it is something you might like to continue with in the future. Even if you don't take up moth trapping any records you make during the loan period will be of great value in expanding our knowledge of moth distribution in Lancashire.

Macro-moth Recorder (PLEASE NOTE NEW ADDRESS)

Graham Jones,

45 Liverpool Old Road, Walmer Bridge, Preston PR4 5QA. 01772 617221, email - gra_ham_jones@yahoo.co.uk

Microlepidoptera Recorder and LMG Newsletter Editor

Steve Palmer, 137 Lightfoot Lane, Fulwood, Preston PR4 0AH. 01772 861570 or s.palmer12@btopenworld.com

Any offers of articles for the Lancashire Moth Group Newsletter can also be directed to the above address.

Records can be sent to either of the above. Please continue to send Mapmate files to Steve (CUK - 1b8). If recorders would like a written reply acknowledging receipt of their records or other correspondence, a stamped self-addressed envelope would be appreciated by Graham and Steve.

Moth Recorders 2010

Alker, Peter J
Allen, Sonia
Anderton, John
Armstrong, Gail
Aspin, Bill
Atherton,
 Geoff & Donna
Bailey, Daisy
Baldwin, Don
Barber, Jean
Barker, Andrew
Barnes, Colin
Barnes, Peter
Bateson, Alex
Beattie, Jim
Bedford, Susan
Bennett, Dorothy
Boardman, Joan
Boydell, Roy
Briers, S
Brigden, Barry
Brittain, Norah
Brocklebank,
 Andrew
Broomfield, Mary
Brown, David
Bunting, Andy
Burkmar, Richard
Burrows, Mark S
Counce, Dorothy
Chadwick, John
Chappell, Denise
Cheney, Alec
Christmas, Steve
Clarke, Peter
Clarkson, Graham
Clegg, Brian
Clerk,
 Mike & Joyce
Clews, John
Cockbain, Carol
Connor, Vivian
Corner, Paul
Corser,
 Joan & Rosalind
Crompton, Neville
Culkin,
 Maggie & Pat
Daly, Colin
Darbyshire,
 Christopher
Davenport, Trevor
Davie,
 Tim & Janet
Davies, Colin
Davies, Patrick
Dean, Mary
Dickinson, Ben
Dixon, Graham

Dockery, Mike
Donnelly, John
Draper, Alan
Dullaghan, P
Dyson, Barry
Edmondson, Mike
Elsworth,
 Martin & Jennie
Esslinger, Angela

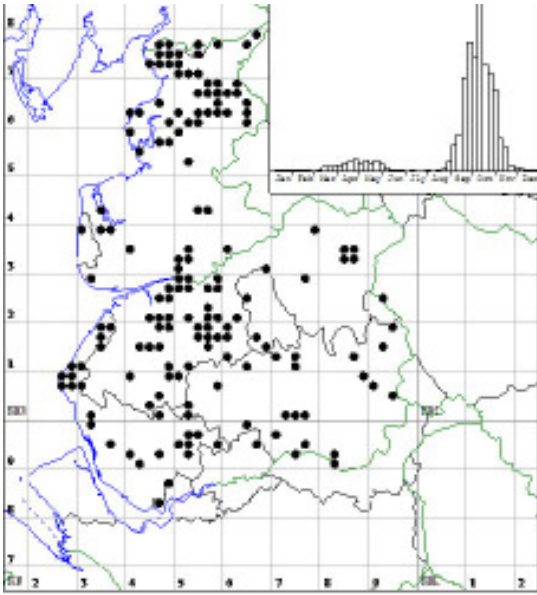
Fennell, Jackie
Fletcher, Charlie
Flynn, S G
Fulton, Lawrence
Gateley, Peter
Gavaghan, Graham
Gibson, John
Gilchrist,
 Peter & Veronica
Gilmore, John
Girdley, John
Greenwood,
 Richard S
Griffiths, Robin
Hall, Richard
Hall, Russell
Halliwell, Steve
Hammond, Mark
Hancock, Brian
Hannan, Amy
Hardy, Peter B
Harris, Peter
Hart, Richard
Haydock, Ken
Heysham
 Nat Res. Team
Hide, James
Hill, Rod
Hillyer, Paul
Hilton, Roy
Hind, Steve H
Holden, Christine
Holding, D John
Homan, Robert
Hoult, Richard
Howarth, Jeff
Hughes, Christine
Hugo, Brian
Hunter, Liz
Hutchinson, Tim
Johnstone, Roger
Jones, Graham
Jones, Gary
Kay, Richard
Kilgour, John
Kimber, Ian
Kippax, Ian
Krischkiw, Peter
Lally, Terry
Lambert, Denis
Langmaid, John

Langrish, Eddie
Lawson, Karen
Leecy, Brian
Lumb, David
Mansfield, Phil
Marsh, Pete J
Martin, Steve
McCabe,
 Eric & Lesley
McCabe, Jenny
McCabe, Kevin
McCauley, Bill
McGrath, Dave
Menendez
 Martinez, Rosa
Middlehurst, F A
Miller, Dianne
Miller, Richard
Mills, Jill
Morbey Ganley,
 Hazel & Tom
Mower, Irene
Moyes, Ron
Mynett, Yvonne
Neville, Reuben
Newton, Jennifer
Owen, Dave
Palmer, Claire L
Palmer,
 Steve & Carolyn
Parsons,
 Alex & Shelagh
Peacock, I Colin
Petley Jones, Rob
Pinnington, Steve
Powell, Alan
Priestley, Steve
Pugh, Paul
Pye, Phil
Raby, Cliff
Rae, Jennifer
Renshaw, Linda
Riden, Tony
Riley, Geoff
Riley, Geoff (snr)
Roberts, Jean
Rogers, Nigel A J
RSPB Vols.
Rumley, David P
Ryder, Steve
Shackman, Judith
Sharples, Gerry
Shaw, Ann
Shaw, Jane
Simms, Mrs
Simpson, Archie
Singleton, Kevin
Sivell, Laura
Smart, Ben
Smith, Anne E
Smith, Peter

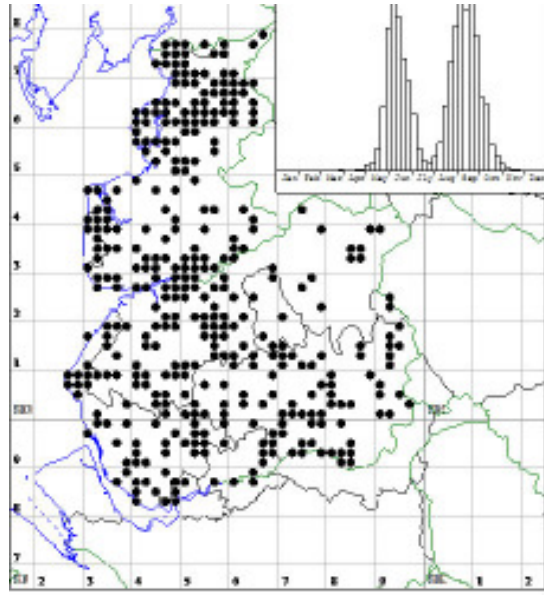
Smith, Phil
Steeden, Jeremy
Stenhouse, Don
Stephens, Melanie
Stevens, Peter
Stokes, Sylvia
Stone, Philip
Sutcliffe, Mike
Swift, Judith
Thompson, Helen
Tordoff, Martin
Tranter, Sue
Tresadern, Carol
Trevis, Geoff
Tucker, David
Waddington,
 Patrick
Walker, Ian
Walker, Richard
Ward, Les
Wardle, Jean
Watt, John
Whitehouse, Steve
Whittaker, Terry
Wilkins, Mike A
Wilkinson, Geoff
Wilkinson, Celia
Williams, Stuart
Wilson, J Dave
Winnard, David
Winnall,
 Rosemary
Wright, David
Wynn,
 Geoff & Barbara

Apologies if anyone has been omitted from this list by mistake – if so do please let Steve Palmer know (address below). Please keep the records coming in, with Date, Location, Grid Reference (to six figures if poss.) and recorder's name.

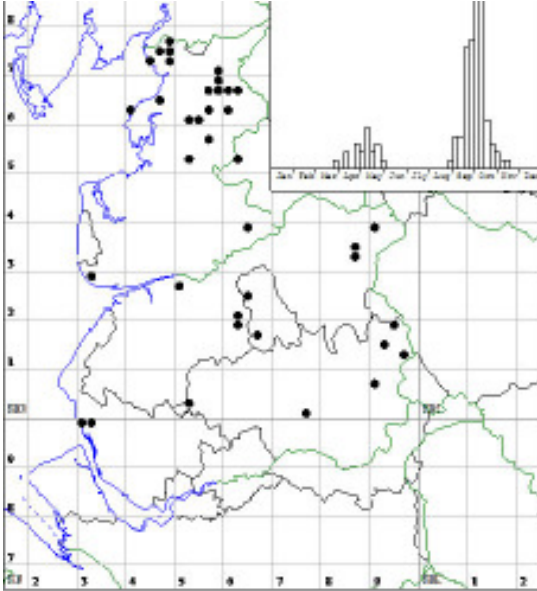
Red-green Carpet



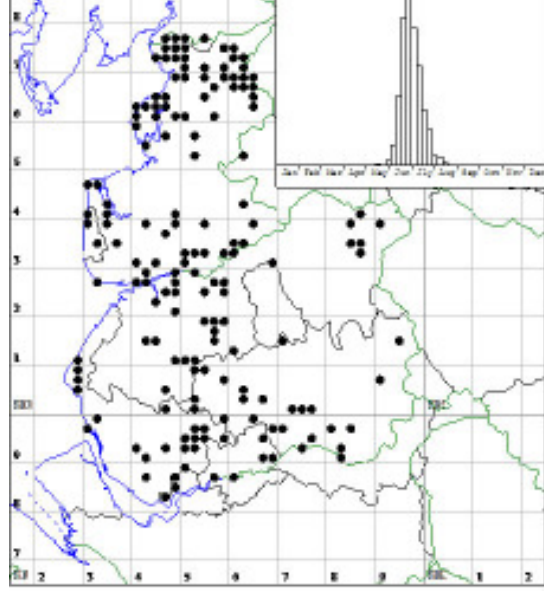
Common Marbled Carpet



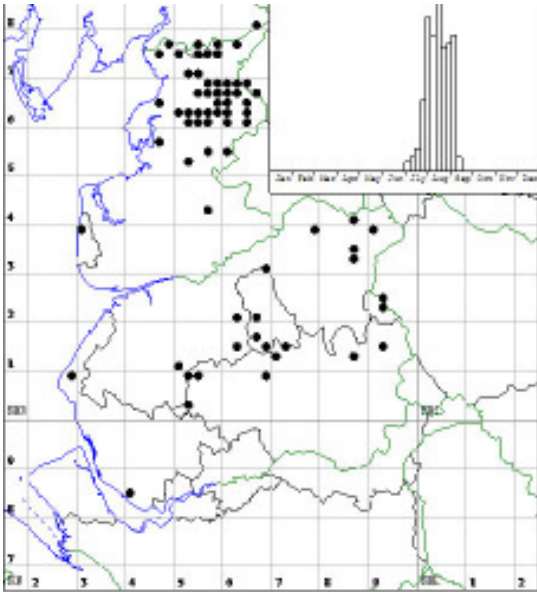
Autumn Green Carpet



Barred Yellow



Dark Marbled Carpet



Blue-bordered Carpet

