

# Hertfordshire and Middlesex Transect Report 2013

Edited by Andrew Wood

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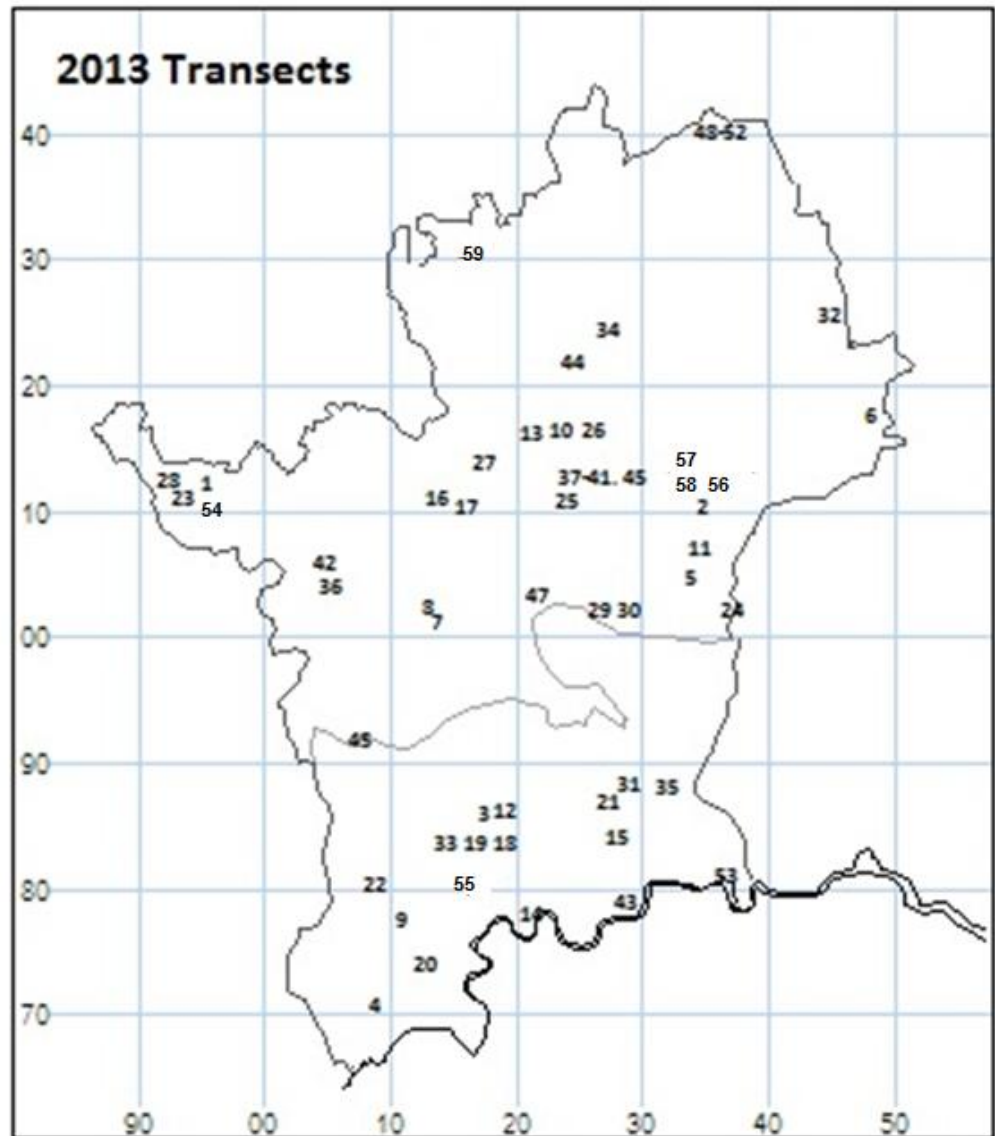
## 2013 Transects

### Transect results

Transects are the main method of measuring how butterfly populations change with time.

The technique is simple, involving walking the same set route every week in good weather throughout the summer months, and noting down the numbers of each species of butterfly seen within, in most cases, about 5 metres.

The numbers in the map opposite relate to the list of transects below. As some transects are very close to each other the positions on the map are indicative.



	Name	Grid Ref	Organiser	Species	Duration	Completeness
1	Aldbury Nowers	SP952129	Paul Thrush	26	119 mins	13 weeks missing
2	Balls Wood	TL344106	Andrew Wood	21	33 mins	Complete
3	Beane Hill	TQ199873	Leslie Williams	14	43 mins	4 weeks missing
4	Bedfont Lakes	TQ080724	Richard Featherstone	22	76 mins	11 weeks missing
5	Bencroft Wood	TL335065	Steve Kiln	16	28 mins	5 weeks missing
6	Bishops Stortford Southern Country Park	TL473193	Bob Clift	20	68 mins	Complete
7	Bricket Wood	TL131009	Malcolm Hull	25	115 mins	3 weeks missing
8	Butterfly World	TL1204	Mandy Floyd	24	66 mins	4 weeks missing
9	Cranford Park	TQ 101779	Alison Shipley	20	62 mins	12 weeks missing
10	Danesbury Park	TL230170	Pat Watt	17	41 mins	12 weeks missing
11	Danemead	TL346079	Mick Velasco	13	40 mins	9 weeks missing
12	Fryent Country Park	TQ195876	Leslie Williams	14	77 mins	4 weeks missing
13	Gravel Hill	TL216170	Juliet Morton	20	78 mins	6 weeks missing
14	Gunnersbury Triangle	TQ201786	Andy Brown	13	37 mins	7 weeks missing
15	Hampstead Heath	TQ270863	Robert Renwick	13	48 mins	1 week missing
16	Harpenden Common	TL137134	Jenny Sherwen	21	86 mins	5 weeks missing
17	Heartwood Forest	TL163109	Andrew Steele	25	88 mins	Complete
18	Horsenden Hill East	TQ163844	David Howdon	18	61 mins	2 weeks missing
19	Horsenden Hill West	TQ155840	David Howdon	24	36 mins	Complete
20	Hounslow Heath	TQ121749	Richard Featherstone	22	65 mins	8 weeks missing

	Name	Grid Ref	Organiser	Species	Duration	Completeness
21	Kenwood	TQ271874	Mike Taylor	20	47 mins	Complete
22	Lake Farm Country Park	TQ090804	Alison Shipley	16	53 mins	19 weeks missing
23	Lakeside NR	SP922124	Brian Jessop	15	20 mins	7 weeks missing
24	Lee Valley Turnford	TL368043	Simon Pegg	15	32 mins	4 weeks missing
25	Lemsford Springs	TL223121	Neale Holmes-Smith	16	25 mins	4 weeks missing
26	Mardley Heath	TL248184	Caroline Phillips	19	61 mins	3 weeks missing
27	Marshalls Heath	TL 161149	John Murray	22	40 mins	6 weeks missing
28	Miswell Lane	SP914117	Brian Jessop	18	22 mins	7 weeks missing
29	Northaw Great Wood Bridleway	TL285043	Peter Walker	14	14 mins	5 weeks missing
30	Northaw Great Wood Middleway	TL280040	Peter Walker	14	24 mins	4 weeks missing
31	Parkland Walk South	TQ288878	Linda Douthwaite	12	43 mins	4 weeks missing
32	Patmore Heath	TL 443257	Gavin Vicary	26	32 mins	5 weeks missing
33	Perivale Wood	TQ159837	David Howdon	17	30 mins	3 weeks missing
34	Pryor's Wood	TL265265	Andy Holtham	13	21 mins	4 weeks missing
35	Railway Fields	TQ317881	Caroline Graty	10	24 mins	2 weeks missing
36	Roughdown Common (Lower)	TL048055	Brendan Sheridan	20	83 mins	4 weeks missing
37	Sherrards Park Wood - Red Lion to Reddings	TL224140	Charlotte Fox	13	35 mins	8 weeks missing
38	Sherrards Park Reddings	TL230135	Barbara Wilton	10	23 mins	1 weeks missing
39	Sherrards Park Sefton	TL230135	Keith Lambert	12	30 mins	4 weeks missing
40	Sherrards Park Sixways Mid Section	TL230135	Barbara Wilton	6	3 mins	1 weeks missing
41	Sherrards Park Templewood	TL230135	Charlotte Fox	9	14 mins	8 weeks missing
42	Shrubhill Common	TL036072	Roger Prue	22	88 mins	Complete
43	St James Park/Green Park	TQ295798	David Howdon	9	44 mins	3 weeks missing
44	Stevenage	TL246234	Peter Clarke	22	77 mins	1 week missing
45	Stockers Lake	TQ045935	Barbara James	16	Not recorded	2 weeks missing
46	Templewood Vale	TL235143	Neale Holmes-Smith	17	28 mins	6 weeks missing
47	The Warren	TL204053	John Moss	20	45 mins	4 weeks missing
48	Therfield Heath (Base of Church Hill)	TL333395	Alan Beale	18	13 mins	3 weeks missing
49	Therfield Heath (Church Hill)	TL333396	Alan Beale	17	10 mins	3 weeks missing
50	Therfield Heath (Lankester Hill)	TL353404	Alan Beale	19	14 mins	3 weeks missing
51	Therfield Heath (Rifle Range)	TL348401	Alan Beale	11	10 mins	3 weeks missing
52	Therfield Heath (Top of Rifle Range)	TL349398	Alan Beale	22	25 mins	3 weeks missing
53	Tower Hamlets Cemetery Park	TQ365823	Terry Lyle	22	78 mins	2 weeks missing
54	Tring Park	SP927100	Martin Hicks	23	65 mins	2 weeks missing
55	Walpole park	TQ173802	Emma Allen	9	54 mins	13 weeks missing
56	Ware Park	TL347143	Andrew Wood	19	36 mins	Complete
57	Waterford Heath North	TL317154	Janet Holmes	21	42 mins	4 weeks missing
58	Waterford Heath South	TL317149	Steve Kiln	25	49 mins	1 week missing
59	Wood Lane, Pirton	TL140310	Val Fullforth	20	69 mins	1 week missing

Species is the number of species recorded on the transect in 2013,

Duration is the average time the transect took to walk

Completeness gives the number of weeks out of the 26 between April 1st and September 29th when the transect was not walked.

# Transect Totals

	Aldbury Nowers	Balls Wood	Beane Hill	Bedfont Lakes	Bencroft Wood	Bishops Stortford Southern Country Park	Bricket Wood Common	Butterfly World	Cranford Park	Danemead	Danesbury Park	Fryent Country Park	Gravel Hill	Gunnersbury Triangle	Hampstead heath	Harpenden Common	Heartwood Forest	Horsenden Hill East	Horsenden Hill West	Hounslow heath	Kenwood estate	Lake Farm	Lakeside Nature reserve	Lee Valley Turnford	Lemsford Spring	Mardley Heath	Marshalls Heath	Miswell lane	Northaw Great Wood Bridleway	Northaw Great Wood Middleway	
Small Skipper	17	1	1	4	21	13	9	67	1	12	2		44		8		15	3	6	1	8	1				3	50	2			
Essex Skipper	3	2		1		15	4									6	5		6		1						1				
Large Skipper	194	111	1	39	16	10	27	18	29	4	4		25		15	125	53		10	53	9	38		2			7	2	3	9	
Dingy Skipper	6																														
Grizzled Skipper	15																														
Clouded Yellow				1		4		3					1				1														
Brimstone	177	10	23	12		6	124	10	1		4	7	1	3	17	4	3	13	3	6	22	1	19		5	6	14	22			
Large White	121	57	24	89	7	203	62	103	68	18	5	21	113	35	10	65	272	25	22	59	12	9	27	43	90	131	210	38	7	11	
Small White	200	10	25	30	6	315	78	364	96	33	8	24	415	45	41	93	43	90	47	42	77	60	41	86	25	139	62	92	16	42	
Green-veined White	85	44	24	36	8	38	176	69	15	2	6	13	124	38	7	50	59	54	27	203	30		22	4	184	169	46	37	2	1	
Orange Tip	15	19	14	4	2	13	10	3	10	5	7	9	38	4	3	13	26	22	29	12	2	4	13	17	22	28	29	21	3	6	
Green Hairstreak	4																														
Purple Hairstreak		1					71														11	25				6	6		7	2	
White-letter Hairstreak																	1	4	4												
Small Copper	28				24		7	1	11		2					4	3	2	9	2	15						1				
Small Blue								77																							
Brown Argus	122			4	2	1		12					2				7		1	1											
Common Blue	98	4		61	15	83	19	394						1		31	62	4	6	18	1		1	3		4	10	2			
Chalk-hill Blue	17							3																							
Holly Blue		1	1	10		4	9		5		1		2	16		5	4	10	3	10	4		2	1	1	4	10	1	1	1	
White Admiral		18					20																								1
Purple Emperor							2																								
Red Admiral		3		6				4	2			1	1	2	3	4	5		1	9	2	5	1			3	3	3			
Painted Lady		1						7	1			2				2	1		1						1		2				
Small Tortoiseshell	15		1	19		96	22	205	4		4	6	194	1	3	11	26	3	7	18	6	21	11	6	21	5	3	114		1	
Peacock	131	71	9	26	1	76	79	169	43	39	3	14	59	3	2	18	64	33	32	57	4	22	19	24	41	81	12	21	3	20	
Comma	10	46	14	41	4	15	49	9	23	5	4	12	21	15	27	9	17	19	17	43	8	8	4	10	15	25	7	8	1	13	
Dark Green Fritillary	58																														
Silver-washed Fritillary	9	16					38			19																	25				1
Speckled Wood	3	197	87	27	7	18	132		31	13	15	52	2	37	46	47	29	67	10	45	81	12	22	35	6	45	72	51	26	2	
Marbled White	746					44	62	24			12	1	54			78	82	15	56				1	1	1		78	2			
Gatekeeper	132	66	78	165	23	155	125	150	135	38		77	210	48		1	137	103	214	239	73	51		3	36	64	89	22	1	4	
Meadow Brown	1447	135	117	306	229	501	174	239	352	103	62	1230	502		46	485	736	374	955	498	221	133	5	18	33	182	114	51	25	70	
Small Heath	75			55	31		9	6	58		5		58			23	92				32	9									
Ringlet	399	581		1	80	156	303	6	4	206	21		312		1	52	71		2	54		2	11	120	55	222	313	27	31	185	
<b>Total</b>	<b>4127</b>	<b>1394</b>	<b>419</b>	<b>937</b>	<b>476</b>	<b>1766</b>	<b>1611</b>	<b>1943</b>	<b>889</b>	<b>497</b>	<b>165</b>	<b>1469</b>	<b>2178</b>	<b>248</b>	<b>214</b>	<b>1016</b>	<b>1886</b>	<b>894</b>	<b>1469</b>	<b>1413</b>	<b>601</b>	<b>376</b>	<b>199</b>	<b>373</b>	<b>536</b>	<b>1144</b>	<b>1137</b>	<b>516</b>	<b>127</b>	<b>367</b>	
<b>Species</b>	<b>26</b>	<b>21</b>	<b>14</b>	<b>21</b>	<b>16</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>19</b>	<b>13</b>	<b>17</b>	<b>14</b>	<b>20</b>	<b>13</b>	<b>13</b>	<b>21</b>	<b>25</b>	<b>18</b>	<b>24</b>	<b>21</b>	<b>19</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>19</b>	<b>21</b>	<b>18</b>	<b>14</b>	<b>14</b>	

	Parkland Walk (South)	Patmore heath	Previale Wood	Pryors Wood	Railway Fields	Roughdown Common (Lower)	Sherrards Park Wood - Red Lion to Reddings	Sherrards Park Wood (Reddings)	Sherrards Park Wood Midway	Sherrards Park Wood Templewood	Sherrardspark Wood sefton	Shrubhill Common	St James' Park/Green Park	Stevenage	Stokers Lake	Templewood	The Warren	Therfield Heath Base of Church Hill	Therfield Heath Church Hill	Therfield Heath Lankester Hill	Therfield Heath Rifle Range	Therfield Heath Top of Rifle Range	Tower Hamlets Cemetery Park	Tring Park	Walpole Park	Ware Park	Waterford Heath North	Waterford Heath South	Wood Lane, Pirton	Grand Total
Small Skipper		21	2			9						13		59		2	135	1		24	4	13	13		2			13	4	604
Essex Skipper		1	5	5								10		21			1			1			37	8						141
Large Skipper	2	5	2	1	2	9						33		42		8	4	3		4		1	57	14		12	1	6	15	1039
Dingy Skipper												7																		13
Grizzled Skipper																											4	18		37
Clouded Yellow																	1							1		1		2		16
Brimstone	10	13	8	3		18	1					34		2	4	1		3	2	2	2	7	78	57		4	4	26	81	930
Large White	64	148	41	23	41	35	6	17		2	14	139	8	131	107	25	34	78	108	57	7	51	339	209	6	107	165	201	305	4634
Small White	115	142	38	2	10	237	4	20	1	4	23	289	71	178	217	12	55	79	95	113	9	83	133	327	71	54	59	178	301	5892
Green-veined White		242	27	8	3	28	5	6		3	6	151	6	48	24	97	11	2	6	5		5	146	24		42	31	99	11	2633
Orange Tip	6	5	7		2	7	2	11		1	3	28		24	49	16				1			80	26		28	9	32	37	806
Green Hairstreak																								1						6
Purple Hairstreak		8				3						1		1			2													144
White-letter Hairstreak		3																												12
Small Copper		17	2			7						13		3	1	2	1		1				1	5	1	1	2	10		181
Small Blue																														77
Brown Argus		8										1		1				10	9	2	3	5		4			9	61	1	270
Common Blue		4	9			280						67		60	4	8	52	18	38	6	9	45	45	64		9	5	145	2	1751
Chalk-hill Blue																		441	550	300	1759	3572								6642
Holly Blue	6	4	7		9	2	2					8	7	3	4							1	130		3	12	2	8	7	320
White Admiral																														39
Purple Emperor																														2
Red Admiral	1	4					1				4		2				1	1				1	57		2	6		3	2	144
Painted Lady		1								1			1										62	1		4	1	1		90
Small Tortoiseshell	2	24		1		10						34		14	48	5	9	15	3	49		3	10	19		61	9	23	14	1195
Peacock	5	35	14	10		22	5	14	3	1	3	44		41	61	25	35	8	4	2		4	15	51		74	37	167	26	1933
Comma	19	6	20	3	6	3	5	4	1	1	1	27	7	23	26	13	5	1	5			5	141	51	5	28	24	30	8	1018
Dark Green Fritillary																				1		5		1						67
Silver-washed Fritillary		1				1				1													3						1	115
Speckled Wood	74	13	46	7	85	20	22	25	1	19	17	27	1	208	41	9	1			2		5	165	53	3	39	33	14	44	2244
Marbled White		1	1	3		70						182		64		16	149	43	16	300	41	89		107			4	50	4	2504
Gatekeeper	1	60	50		45	19		4	2			55		204	40	25	77	44	13	24	6	18	236	81	1	59	4	108	39	3735
Meadow Brown		386	251	51	5	942	8	1			2	744	1	349	49	245	580	199	112	188	240	344	446	988		71	175	443	65	17216
Small Heath		14												1	1			130	19	6	68	21	138			1	40	2	924	
Ringlet		186		125		22	12	2		1	7	75		223	7	101	27	8	8	41		24	1	83		54	30	104	122	4561
Total	305	1352	530	242	208	1744	73	104	8	33	81	1982	104	1700	683	610	1310	973	977	1189	2101	4422	2195	2152	94	666	609	1783	1090	61859
Species	12	26	17	13	10	20	12	10	5	9	11	22	9	22	16	17	20	18	17	19	11	22	21	23	9	19	21	25	20	

## Transect Roundup

Only notes received from the transect walkers or organisers are included.

### Aldbury Nowers SP 952 129

**First walked:** 1992 **2013 recorder:** Paul Thrush

### Balls Wood TL 344 106

**First walked:** 1994 **2013 recorders:** Andrew Wood & Andy Brown

*Despite the warm summer numbers were still down on many previous years. The cold winter meant that Speckled Woods started late and reached only low peak numbers. As at many sites Silver-washed Fritillary did well, while White Admiral emerged late and strongly and quickly tailed off. Purple Emperor was found again but not during the Transect walks. - Andrew Wood*

### Beane Hill TQ 199 873

**First walked:** 1988 **2013 recorders:** Leslie Williams, Michael Berthoud, Simon Mercer

### Bedfont Lakes TQ 080 724

**First walked:** 1996 **2013 recorders:** Richard Featherstone, Kayla Terry, Rob Solomon, Keith Whitmore

*One of the highlights of this year was the number of Clouded Yellows seen at Bedfont Lakes. Our numbers were well into double figures and were still being recorded up to the last day of October. New areas of sheep grazing are being introduced so we look forward to seeing the impact of this next year. – Richard Featherstone*

### Bencroft Wood TL335 065

**First walked:** 2004 **2013 recorder:** Steve Kiln

### Bishops Stortford Southern Country Park TL 473 193

**First walked:** 2004 **2013 recorder:** Bob Clift

### Bricket Wood TL 131 009

**First walked:** 1997 **2013 recorder:** Malcolm Hull

*Purple Emperor has been established in the Bricket Wood complex for several years, but not previously recorded on a transect walk. Two males clashing high above the main ride was a thrilling spectacle. Small Heath has not been recorded on the site since the 1980's, but is still present in the wider landscape. An early sighting in early summer and 11 more later in the season suggests a new colony is being established. This had been predicted as a consequence of the introduction of low intensity cattle grazing in 2012, but for Small Heath to be doing well so quickly is a surprise. Two new species recorded on this year's transect brings the total since this transect began in 1997 up to 29. Other short grass species did well with Small Copper having its best ever year and Common Blue its second best. Altogether seven species hit record high totals in 2013, the others being Comma, Purple Hairstreak, Small Tortoiseshell and Small White. These last two common garden species have never been particularly common at this site, but both bounced showed a remarkable capacity to bounce back quickly from record low totals in 2012 (Small Tortoiseshell from 0 in 2012 to 30 in 2013; Small White 6 in 2012 to 100 in 2013). Woodland specialists White Admiral & Silver-washed Fritillary both did well, but numbers were slightly down on 2012. For the first time I saw female SWF's seen egg laying on the transect route – once on birch & once on oak. Other species which had a good year with totals above 2012 and their long term average were Brimstone, Large White, Small White, Green-veined White, Peacock and Speckled Wood, One group of species which did badly were migrants – not a single Red Admiral, Painted Lady or Clouded Yellow was recorded. Large, Small & Essex Skippers had a second successive poor year and were the only three species for which the totals recorded were significantly below their long term average. – Malcolm Hull*

### Butterfly World TL 127 043

**First walked:** 2009 **2013 recorders:** Malcolm Hull, Mandy Floyd, Louise Hawkins

*After a very cold start to the Transect Season I am very pleased to report that as the weather improved record numbers of many varieties were sighted at Butterfly World. A total of 24 species were spotted through the Transect year and there were 3 new species, Clouded Yellow, Small Heath and Chalkhill Blue. The Small Blue sightings (68) increased dramatically this year, a record for Butterfly World and Hertfordshire in one colony I believe, their larval food plant, Kidney Vetch has been abundant this year. The Common Blue can now be sighted in most sections of the transect, their larval food plant the Birds-foot Trefoil, is thriving and was in flower very late in the season. Butterflies that increased from 2012 were Small Skipper (65), Large Skipper (17), Brimstone (10), Large White (84), Small White (329), Green Veined White (72), Small Blue (68), Brown Argus (11), Common Blue (375), Small Tortoiseshell (204), Peacock (143), Marbled White (24), Gatekeeper (130), Meadow Brown (228) and Ringlet (6). In smaller numbers were Essex Skipper (9), Orange Tip (5), Small Copper (1), Red Admiral (4), Painted Lady (7) and Comma (8). The three new species sighted were Clouded Yellow (3), Chalkhill Blue (3) and Small Heath (6). I would like to thank Malcolm Hull, H&M BC, and Louise Hawkins at Butterfly World for their help in walking the Transect when I was not able to. - Mandy Floyd*

**Cranford Park TQ 101 779**

**First walked:** 1997 **2013 recorders:** Alison Shipley

**Danemead TL 346 079**

**First walked:** 2013 **2013 recorders:** Mick Velasco, Ed Hutchings

**Danesbury Park TL 230 170**

**First walked:** 1996 **2013 recorder:** Pat Watt

**Fryent Country Park TQ 195 876**

**First walked:** 1986 **2013 recorders:** Leslie Williams, Michael Berthoud & Simon Mercer

**Gravel Hill TL 216 170**

**First walked:** 2013 **2013 recorder:** Juliet Morton

**Gunnersbury Triangle TQ 201 786**

**First walked:** 1999 **2013 recorder:** Andy Brown,

**Harpenden Common TL 137 134**

**First walked:** 2011 **2013 recorders:** John Foster, Sherwen, Jenny, A & J Dorman, Cherry & Robin Moore, Roger Thornhill, Victoria Hornett

**Heartwood Forest TL163 109**

**First walked:** 2010 **2013 recorder:** Andrew Steele

**Horsenden Hill East & Horsenden Hill West TQ 163 844**

**First walked:** 2003 **2013 recorders:** David Howdon, Andrew Culshaw, Martin Smith

**Hounslow Heath TQ121 749**

**First walked:** 2010 **2013 recorders:** Richard Featherstone, Harry Lines, Rob Solomon

*Our biggest worry this year was the large number of Oak Processionary moths that were found on Hounslow Heath and the effects the subsequent spraying of all the oaks on the site. Early indications show a reduction in numbers from previous years but at least some were recorded. The Heath was no exception from the number of Clouded yellows that have been recorded across the country with at least half a dozen sightings made by rangers around the site. The cattle grazing area has been extended so we look forward to next year to see if this has any impact on records. – Richard Featherstone*

**Kenwood TQ 271 874**

**First walked:** 2005 **2013 recorder:** Mike Taylor

*The consistently appalling weather up here on the Highgate to Hampstead ridge throughout 2012 had led to a terrible year for the butterflies of Kenwood with an all-time-low of 396. It was deeply reassuring, therefore, through the fine weather of 2013, to record recoveries in all species populations - with a total count of 622. Several population recoveries have been remarkable; for instance, in 2012 we recorded only 9 Small Whites, but in 2013 we recorded 77 - our highest total since recording began in 2005. 2012 had been the worst year ever for our Green-veined Whites, with a catastrophic 2 recordings only, but in 2013 the population recovered and we recorded 30. In 2012 our Purple Hairstreak population suffered an apocalyptic decline: down to a mere 2 - and that was from a peak of 90 in 2008. But they recovered well in the sunshine & warmth of 2013 and we recorded 25. Speckled Wood recordings doubled from 40 in 2012 to 81 in 2013. As always, it was the 2<sup>nd</sup> brood in late summer which accounted for most of the year's sightings. – Mike Taylor*

**Lake Farm Country Park TQ 090 804**

**First walked:** 2011 **2013 recorders:** Alison Shipley

**Lakeside Nature Reserve SP922124**

**First walked:** 2011 **2013 recorder:** Brian Jessop

**Lee Valley Turnford TL368043**

**First walked:** 2012 **2013 recorders:** Simon Pegg

**Lemsford Springs TL 223 121**

**First walked:** 1998 **2013 recorder:** Neale Holmes-Smith

*The largest total recorded. First Marbled White. Whites account for over 50% of records, a huge recovery. Only one Red Admiral, Small Tortoiseshell and Peacock have increased. Skippers very low, no Common Blues recorded. – Neale Holmes-Smith*

**Mardley Heath TL 248 184**

**First walked:** 2006 **2013 recorders:** Caroline Phillips & Sue Stephens

**Marshalls Heath TL 161 149**

**First walked:** 1989 **2013 recorders:** John Murray, Trevor Chapman

**Miswell Lane SP 914 117**

**First walked:** 1999 **2013 recorder:** Brian Jessop

**Northaw Great Wood Middleway TL 280 040 & Northaw Great Wood Bridleway TL 285 043**

**First walked:** 1999 **2013 recorder:** Peter Walker

**Parkland Walk South TQ 288 878**

**First walked:** 2012 **2013 recorder:** Linda Douthwaite, Aaron

**Patmore Heath TL 443 257**

**First walked:** 1996 **2013 recorder:** Gavin Vicary

**Perivale Wood TQ 159 837**

**First walked:** 2005 **2013 recorder:** David Howdon, Andrew Culshaw

**Pryor's Wood TL 265 265**

**First walked:** 2000 **2013 recorder:** Andy Holtham

**Railway Fields TQ 317 881**

**First walked:** 1997 **2013 recorders:** Caroline Graty, Peter Corley, Peter Bailey, Mary Hogan, Julian Stanway

**Roughdown Common (Lower) TL 048 055**

**First walked:** 2012 **2011 recorder:** Brendan Sheridan

**Sherrards Park Red Lion TL224 140**

**First walked:** 2010 **2013 recorder** Charlotte Fox

**Sherrards Park Reddings TL230 135**

**First walked:** 2001 **2013 recorder** Barbara Wilton

**Sherrards Park Sefton TL229 140**

**First walked:** 2013 **2013 recorder** Keith Sefton

**Sherrards Park Sixways Mid section TL230 135**

**First walked:** 2012 **2013 recorder** Barbara Wilton

**Sherrards Park Templewood TL235 142**

**First walked:** 2010 **2013 recorder** Charlotte Fox

**Shrubhill Common TL 036 072**

**First walked:** 2001 **2013 recorder:** Roger Prue

*This year, the butterfly numbers were the highest since I began recording in 2001. The first Dingy Skipper record at this site was in 2011, but this year, after none in 2012, I was very pleased to obtain 7 records. The other species which had their highest ever annual total were Small White, Orange Tip and Small Copper. Most species had a higher total than 2012, some several times higher. However, Holly Blue, Speckled Wood and Gatekeeper had smaller annual totals than 2012 and there were no records at all of Red Admiral and Painted Lady. – Roger Prue*

**St James' Park/Green Park Transect TQ295 798**

**First walked:** 2013 **2013 recorder:** David Howdon

**Stevenage TL 246 234**

**First walked:** 1993 **2013 recorder:** Peter Clarke

**Stockers Lake TL 045 935**

**First walked:** 2012 **2013 recorder:** Barbara James, Cliff Buckton, Carol Beeden, Dick Beeden, Carrol Scott



### Templewood Vale TL 235 143

**First walked:** 1998 **2013 recorder:** Neale Holmes-Smith, Ian Flack

Second largest total ever recorded. The first Clouded yellows and 2<sup>nd</sup> Marbled Whites. No Red Admirals. Small Tortoiseshell and Skippers very low. Meadow Browns were 40% of the total. – Neale Holmes-Smith

### Therfield Heath TL 348 401, TL333395, TL333396, TL353404 & TL349398 (5 transects)

**First walked:** 1988 **2013 recorder:** Alan J. Beale

### The Warren TL 204 053

**First walked:** 1991 **2013 recorder:** John Moss

*Despite a slow start, my year count was 1308, the highest since 2004, peaking mid-July. UKBMS estimates for 4 missed weeks increased that to 1426. Meadow Browns (580), Marbled Whites (149) and Small Skippers (138) were well up, while Small Heath (137) and Common Blue (52) staged a gratifying recovery after several years steady decline. In all 20 species were recorded, including a solitary Clouded Yellow, a first for the site. There were some disappointments, with no Orange Tips for the first time, only 1 Small Copper, usually conspicuous into October and fleeting glimpses of only 2 Purple Hairstreak, despite the mature Oaks. Management was again limited to occasional mowing of the margins, while Hawthorn scrub and coarse grasses are spreading rapidly. However there is a firm plan to cut the scrub this winter and install fencing to permit light grazing by cattle from next August. This may have an initial impact on wildlife, but a grazing regime should return the site to quality acid grassland, benefitting all invertebrates. Sorrel, Trefoils, Knapweed, coarse and fine grasses and other food and nectar plants still thrive, as do a few rarities like Heather and Dwarf Furze. – John Moss*

### Tower Hamlets TL 204 053

**First walked:** 1999 **2013 recorder:** Terry Lyle, John Clarkson, Keir Mottram

### Tring Park SP 927 100

**First walked:** 1996 **2013 recorder:** Martin Hicks

### Walpole Park TQ 173 802

**First walked:** 2013 **2013 recorder:** Emma Allen

### Ware Park TL 347 143

**First walked:** 1996 **2013 recorder:** Andrew Wood

*Section 4, a rough meadow was cleared of much undergrowth, fenced and grazed by cattle this year leading to a reduction in the large nettle beds at one end and the more delicate plants at the other. The Marbled White colony that had established here would seem to have gone as a result – Andrew Wood*

### Waterford Heath North TL 317 154

**First walked:** 2000 **2013 recorder:** Janet Holmes

### Waterford Heath South TL 317 149

**First walked:** 2008 **2013 recorder:** Steve Kiln

### Wood Lane Pirton TL 140 310

**First walked:** 2005 **2013 recorder:** Val Fullforth

## Annual totals

## Detailed Transect Records

The tables on the following pages give numbers of butterflies counted on each of the weekly transect walks described in the Transect Roundup, listed by species.

Only those transects where there is reasonably complete coverage during the flight season are included. Mean values for all transects are listed along the bottom for each species.

The weeks 1 to 26 listed across the top refer to the 26 weeks starting on April 1st and ending on September 29th.

The peak date listed in the final column is the actual date when highest numbers were seen in the case of univoltine species. For bivoltine or trivoltine species the date when the highest numbers for the particular brood that had highest peak values in the mean of all transects is used.

The mean peak date for each species at the bottom right is weighted according to the total numbers seen on each transect.

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Small Skipper 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	2	6	1	0	0	0	0	0	0	0	17	01-Aug-13
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	12-Aug-13
Beane Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28-Jul-13
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	27-Jun-13
Bencroft Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14	1	0	0	0	0	0	0	0	0	21	24-Jul-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	1	0	0	0	0	0	0	0	0	13	17-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	3	1	1	0	0	0	0	0	0	9	26-Jul-13
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	23	26	1	1	0	0	0	0	0	0	0	67	22-Jul-13
Cranford Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	18-Jul-13
Danemead	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	4	0	1	0	0	0	0	0	0	0	0	12	29-Jun-13
Danesbury Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	10-Jul-13
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	17	21	3	1	0	0	0	0	0	0	0	44	24-Jul-13
Hampstead Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	6	0	0	0	0	0	0	0	0	8	15-Jul-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	1	3	0	0	0	0	0	0	0	0	0	15	11-Jul-13
Horsenden Hill East	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3	18-Jul-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0	0	0	6	13-Jul-13
Hounslow Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	05-Jul-13
Kenwood estate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	0	0	0	0	0	0	0	0	8	29-Jul-13
Lake Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	08-Aug-13
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3	27-Jul-13
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	3	33	0	9	2	3	0	0	0	0	0	0	0	50	14-Jul-13
Miswell Lane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	22-Jul-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	7	0	0	0	0	0	0	0	0	0	21	21-Jul-13
Perivale Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	14-Jul-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	8	0	0	0	0	0	0	0	0	0	9	23-Jul-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	2	2	2	0	1	0	0	0	0	0	13	19-Jul-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	26	12	6	0	1	0	0	0	0	0	59	24-Jul-13
Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	22-Jul-13
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	44	47	18	1	0	0	0	0	0	0	135	22-Jul-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	01-Aug-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	8	8	0	0	0	0	0	0	0	0	24	22-Jul-13
Therfield Heath Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	4	08-Jul-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	3	0	0	0	0	0	0	0	0	13	15-Jul-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	6	2	0	0	0	0	0	0	0	0	0	13	17-Jul-13
Walpole Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	16-Jul-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	0	0	0	0	0	0	0	0	0	13	24-Jul-13
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	4	19-Jul-13
<b>mean Small Skipper</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.5</b>	<b>2.4</b>	<b>3.7</b>	<b>5.4</b>	<b>2.8</b>	<b>0.9</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16.3</b>	<b>20-Jul-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak	
<b>Essex Skipper 2013</b>																													
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	25-Jul-13
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	06-Aug-13
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	27-Jul-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	2	1	1	1	0	0	0	0	0	0	15	17-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	26-Jul-13
Harpenden Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6	14-Jul-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	1	0	0	0	0	0	5	25-Jul-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	6	20-Jul-13
Kenwood estate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	22-Jul-13
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	10-Aug-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	21-Jul-13
Perivale Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5	21-Jul-13
Pryors Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	5	21-Jul-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	1	0	1	0	0	0	0	0	0	10	22-Jul-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	8	2	2	0	0	0	0	0	0	0	0	21	24-Jul-13
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-Jul-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	29-Jul-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	0	0	0	1	2	11	16	7	0	0	0	0	0	0	0	0	0	0	0	37	12-Jul-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	4	0	0	0	0	0	0	0	0	0	8	01-Aug-13
<b>mean Essex Skipper</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.6</b>	<b>1.4</b>	<b>2.1</b>	<b>1.6</b>	<b>0.4</b>	<b>0.4</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.9</b>	<b>16-Jul-13</b>	

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Large Skipper 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	2	12	58	68	11	29	13	0	1	0	0	0	0	0	194	15-Jul-13
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	1	3	19	34	19	19	13	3	0	0	0	0	0	0	0	111	12-Jul-13
Beane Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	13-Jul-13
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0	13	12	13	1	0	0	0	0	0	0	0	0	0	39	05-Jul-13
Bencroft Wood	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	4	2	0	0	0	0	0	0	0	0	0	16	16-Jul-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	0	2	0	0	0	0	0	0	0	0	0	10	06-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	8	4	2	0	0	0	0	0	0	0	0	27	16-Jul-13
Butterfly World	0	0	0	0	0	0	0	0	0	0	1	1	5	1	0	2	6	0	0	0	0	0	0	0	0	0	18	22-Jul-13
Cranford Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	4	1	0	0	0	0	0	0	0	0	0	29	11-Jul-13
Danemead	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	4	29-Jun-13
Danesbury Park	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	04-Jul-13
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	11	1	0	0	0	0	0	0	0	0	25	18-Jul-13
Harpenden Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	5	0	0	15	28-Jul-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	3	16	42	58	2	4	0	0	0	0	0	0	0	0	0	125	11-Jul-13
Horsenden Hill East	0	0	0	0	0	0	0	0	0	0	0	0	1	2	16	23	10	1	0	0	0	0	0	0	0	0	53	18-Jul-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	2	0	0	0	0	0	0	0	0	0	0	10	13-Jul-13
Hounslow Heath	0	0	0	0	0	0	0	0	0	0	0	0	4	13	6	29	1	0	0	0	0	0	0	0	0	0	53	17-Jul-13
Kenwood estate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	0	0	0	0	0	0	0	0	0	9	16-Jul-13
Lake Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	35	0	0	0	0	0	0	0	0	0	0	38	18-Jul-13
Lee Valley Turnford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	15-Jul-13
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	0	0	0	7	06-Jul-13
Miswell Lane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	22-Jul-13
Northaw Great Wood Bridleway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	13-Jul-13
Northaw Great Wood Middleway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	3	0	0	0	0	0	0	0	0	0	9	13-Jul-13
Parkland Walk South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	01-Aug-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	5	13-Jul-13
Perivale Wood	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	29-Jun-13
Pryors Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	07-Jul-13
Railway Fields	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	19-Jul-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	1	2	0	0	0	0	0	0	0	0	0	9	20-Jun-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	10	14	7	1	0	0	0	1	0	0	0	0	0	0	33	07-Jul-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	4	4	10	13	7	3	1	0	0	0	0	0	0	0	42	16-Jul-13
Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	0	0	0	0	0	0	0	0	8	15-Jul-13
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	4	04-Jul-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	06-Jul-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	05-Jul-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-Jul-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	0	0	0	0	4	11	20	12	6	2	2	0	0	0	0	0	0	0	57	12-Jul-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	1	2	0	0	0	0	0	0	0	0	14	16-Jul-13
Ware Park	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3	1	1	0	0	0	0	0	0	0	0	0	12	07-Jul-13
Waterford Heath North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-Jul-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	3	0	0	0	0	0	0	0	0	0	0	6	18-Jul-13
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	4	2	0	0	0	0	0	0	0	0	0	15	11-Jul-13
<b>mean Large Skipper</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>1.6</b>	<b>3.9</b>	<b>6.8</b>	<b>6.5</b>	<b>2.6</b>	<b>1.3</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>23.8</b>	<b>13-Jul-13</b>

<b>Week Number:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>Total</b>	<b>Peak</b>
<b>Dingy Skipper 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	05-Jun-13
Shrubhill Common	0	0	0	0	0	0	0	3	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	26-May-13
<b>mean Dingy Skipper</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1.5</b>	<b>1</b>	<b>3</b>	<b>0.5</b>	<b>0</b>	<b>0.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6.5</b>	<b>30-May-13</b>	

<b>Week Number:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>Total</b>	<b>Peak</b>
<b>Grizzled Skipper 2013</b>																												
Aldbury Nowers	0	0	0	0	0	8	0	0	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	15	07-May-13
Waterford Heath North	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	07-May-13
Waterford Heath South	0	0	0	0	0	1	3	5	6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	02-Jun-13
<b>mean Grizzled Skipper</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.3</b>	<b>1.0</b>	<b>1.7</b>	<b>2.0</b>	<b>2.0</b>	<b>0.3</b>	<b>0.3</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12.3</b>	<b>19-May-13</b>

<b>Week Number:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>Total</b>	<b>Peak</b>
<b>Clouded Yellow 2013</b>																												
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	05-Jul-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	4	26-Sep-13
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	3	14-Aug-13
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	21-Aug-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	12-Aug-13
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	19-Aug-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	31-Aug-13
Ware Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	19-Aug-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	29-Aug-13
<b>mean Clouded Yellow</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>1.7</b>	<b>26-Aug-13</b>

<b>Week Number:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>Total</b>		
<b>Brimstone 2013</b>																													
Aldbury Nowers	0	0	0	1	4	14	0	0	0	3	0	0	2	1	0	1	5	31	28	0	62	25	0	0	0	0	177	20-Aug-13	
Balls Wood	0	1	2	3	1	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	10	23-Apr-13	
Beane Hill	0	0	0	12	1	0	0	4	1	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	23	24-Apr-13	
Bedfont Lakes	0	3	0	1	3	0	2	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	12	14-Apr-13	
Bishops Stortford Southern Country Park	0	0	3	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	20-Apr-13	
Bricket Wood Common	0	3	5	0	5	15	7	19	9	8	2	3	12	9	3	1	11	1	2	6	3	0	0	0	0	0	124	25-May-13	
Butterfly World	0	0	0	0	0	0	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	06-Jun-13	
Cranford Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	25-Jul-13	
Danesbury Park	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	20-Apr-13	
Fryent Country Park	0	0	0	0	1	0	1	0	1	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	7	03-Jun-13	
Gravel Hill	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	07-Jun-13	
Gunnersbury Triangle	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	20-Apr-13	
Hampstead Heath	0	0	3	2	5	0	0	0	0	0	2	1	0	2	0	0	0	0	0	1	1	0	0	0	0	0	17	01-May-13	
Harpenden Common	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	25-Apr-13	
Heartwood Forest	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	02-May-13	
Horsenden Hill East	1	3	3	0	0	1	0	0	0	0	0	0	0	0	0	3	0	1	0	1	0	0	0	0	0	0	13	14-Apr-13	
Horsenden Hill West	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	19-May-13	
Hounslow Heath	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6	01-May-13	
Kenwood estate	0	0	1	1	3	5	0	0	5	1	1	1	0	0	0	1	2	0	0	0	0	0	0	0	0	1	22	07-May-13	
Lake Farm	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	25-Apr-13	
Lakeside Nature reserve	0	0	6	2	6	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	19	20-Apr-13	
Lemsford Springs	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	5	24-Jul-13	
Mardley Heath	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	6	20-Apr-13	
Marshalls Heath	0	3	4	0	2	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	14	20-Apr-13	
Miswell Lane	0	0	4	5	0	0	1	0	2	1	0	0	2	0	0	0	0	0	0	0	2	1	0	0	0	1	22	25-Apr-13	
Parkland Walk South	0	0	0	2	6	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	10	01-May-13	
Patmore Heath	0	3	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	3	3	0	1	1	0	0	0	13	10-Apr-13	
Perivale Wood	0	2	1	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	14-Apr-13	
Pryors Wood	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	02-May-13	
Roughdown Common (Lower)	0	0	0	4	7	0	0	3	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	18	01-May-13	
Sherrards Park Wood - Red Lion to Reddings	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14-Apr-13	
Shrubhill Common	4	5	0	5	8	7	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	34	01-May-13	
Stevenage	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	01-May-13	
Stockers Lake	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	04-Jun-13	
Templewood	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14-Apr-13	
Therfield Heath Base of Church Hill	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	14-Apr-13	
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	05-Aug-13	
Therfield Heath Lankester Hill	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	23-Apr-13	
Therfield Heath Rifle Range	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	16-May-13	
Therfield Heath Top of Rifle Range	0	0	0	5	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	23-Apr-13	
Tower Hamlets Cemetery Park	13	0	9	7	5	2	8	6	5	0	0	1	5	5	0	2	0	0	0	8	0	0	0	0	0	2	78	06-Apr-13	
Tring Park	0	2	0	1	5	13	11	4	4	2	5	0	3	0	0	3	1	0	1	0	0	0	0	0	0	0	57	06-May-13	
Ware Park	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	23-Apr-13	
Waterford Heath North	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	4	23-Apr-13	
Waterford Heath South	0	0	1	1	5	0	0	0	0	1	0	0	0	0	0	1	0	2	2	2	7	3	1	0	0	0	26	21-Aug-13	
Wood Lane, Pirton	0	0	7	7	9	8	2	0	3	12	1	6	6	0	9	7	2	0	0	1	0	0	0	0	1	0	81	07-Jun-13	
<b>mean Brimstone</b>	<b>0.4</b>	<b>0.6</b>	<b>1.2</b>	<b>1.5</b>	<b>2.0</b>	<b>1.5</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.3</b>	<b>0.3</b>	<b>0.6</b>	<b>0.4</b>	<b>0.4</b>	<b>0.3</b>	<b>0.7</b>	<b>0.9</b>	<b>0.8</b>	<b>0.3</b>	<b>1.9</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>19.0</b>	<b>05-May-13</b>	



Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Small White 2013</b>																												
Aldbury Nowers	0	0	0	0	0	2	0	0	0	3	0	0	1	0	0	1	18	39	55	0	48	33	0	0	0	0	200	07-Aug-13
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	4	0	0	0	1	0	0	10	29-Jul-13
Beane Hill	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	4	0	9	0	2	4	1	0	0	0	25	10-Aug-13
Bedfont Lakes	0	1	1	2	3	0	5	0	7	0	1	0	2	2	1	5	0	0	0	0	0	0	0	0	0	0	30	02-Jun-13
Bencroft Wood	0	0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	6	26-May-13
Bishops Stortford Southern Country Park	0	0	0	0	1	1	0	11	4	3	6	0	0	0	1	4	16	47	54	33	31	38	25	19	11	10	315	06-Aug-13
Bricket Wood Common	0	0	0	0	1	0	2	0	0	1	1	1	0	3	1	11	12	10	13	8	6	3	4	0	1	0	78	08-Aug-13
Butterfly World	0	0	0	0	0	0	0	0	7	6	6	0	3	0	0	13	33	45	71	33	20	42	32	0	6	16	364	08-Aug-13
Cranford Park	0	0	0	0	1	0	0	0	2	2	0	0	0	0	4	3	9	46	22	0	0	0	7	0	0	0	96	01-Aug-13
Danemead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	17	7	3	0	0	0	0	0	0	33	04-Aug-13
Danesbury Park	0	0	1	0	1	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16-May-13
Fryent Country Park	0	0	0	0	0	0	0	0	3	6	0	0	0	2	4	0	1	0	0	0	4	4	0	0	0	0	24	03-Jun-13
Gravel Hill	0	0	0	0	1	4	1	11	8	2	0	0	2	0	0	39	78	74	64	22	40	61	0	0	0	8	415	24-Jul-13
Gunnersbury Triangle	0	0	0	0	2	0	1	0	3	0	0	0	0	0	4	0	8	5	16	2	0	3	1	0	0	0	45	11-Aug-13
Hampstead Heath	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	5	18	7	3	4	0	0	0	0	41	01-Aug-13
Harpenden Common	0	0	0	0	0	6	2	0	11	0	0	0	0	0	1	0	13	12	0	8	15	8	13	0	3	1	93	21-Aug-13
Heartwood Forest	0	0	0	0	0	4	0	0	0	0	0	0	2	3	1	0	2	14	2	6	3	3	0	2	0	1	43	04-Aug-13
Horsenden Hill East	0	0	0	0	3	2	5	1	0	0	0	0	0	2	2	8	22	8	10	2	11	9	5	0	0	0	90	27-Jul-13
Horsenden Hill West	0	0	0	1	0	2	4	0	1	0	0	0	0	0	0	1	25	7	0	0	0	6	0	0	0	0	47	27-Jul-13
Hounslow Heath	0	0	1	1	2	0	2	0	3	0	1	3	0	0	12	6	6	3	2	0	0	0	0	0	0	0	42	11-Jul-13
Kenwood estate	0	0	0	0	0	0	0	1	3	4	0	0	0	0	1	3	13	7	18	9	8	6	4	0	0	0	77	05-Aug-13
Lake Farm	0	0	0	2	0	0	0	0	0	0	0	0	0	0	6	3	0	0	41	0	0	0	8	0	0	0	60	08-Aug-13
Lakeside Nature reserve	0	0	0	0	2	0	1	2	1	1	0	0	0	0	0	0	4	0	3	0	5	12	6	0	0	4	41	29-Aug-13
Lee Valley Turnford	0	1	0	1	2	3	5	4	4	5	1	0	1	1	1	0	15	1	6	14	0	14	0	0	7	0	86	26-Jul-13
Lemsford Springs	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	12	7	0	2	0	0	0	0	0	25	01-Aug-13
Mardley Heath	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	51	32	25	7	11	5	1	2	1	0	139	27-Jul-13
Marshalls Heath	0	0	0	0	0	1	1	0	2	3	0	0	0	1	4	0	17	15	8	10	0	0	0	0	0	0	62	27-Jul-13
Miswell Lane	0	0	0	1	1	0	8	0	5	6	4	0	0	0	0	0	14	0	8	0	10	19	10	0	0	4	92	29-Aug-13
Northaw Great Wood Bridleway	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	4	5	0	0	3	0	0	0	0	0	16	01-Aug-13
Northaw Great Wood Middleway	0	0	0	1	0	2	2	1	1	0	0	0	0	1	0	3	8	15	1	3	3	0	1	0	0	0	42	01-Aug-13
Parkland Walk South	0	0	0	0	6	5	6	4	0	5	2	0	0	0	0	9	7	20	19	10	10	7	4	0	0	1	115	01-Aug-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	14	25	0	37	10	8	17	29	0	0	0	142	09-Aug-13
Perivale Wood	0	0	1	0	0	2	4	2	0	0	0	0	0	0	1	0	3	3	11	4	0	6	0	0	0	0	38	08-Aug-13
Pryors Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	02-Aug-13
Railway Fields	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	1	0	2	0	0	0	3	1	0	0	0	10	27-Aug-13
Roughdown Common (Lower)	0	0	0	0	2	1	0	1	5	9	1	0	0	0	3	6	23	68	52	20	13	23	5	0	0	0	237	01-Aug-13
Sherrards Park Wood - Red Lion to Reddings	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	4	18-Aug-13
Sherrards Park Wood (Reddings)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	4	2	0	0	0	0	0	0	20	01-Aug-13
Sherrards Park Wood Midway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	08-Aug-13
Sherrards Park Wood Templewood	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	4	31-May-13
Sherrardspark Wood sefton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	8	3	7	0	0	0	23	19-Aug-13
Shrubhill Common	0	0	0	0	3	7	3	3	5	4	1	0	0	0	1	18	23	30	68	20	17	41	24	6	5	10	289	08-Aug-13
St James' Park/Green Park	0	0	1	0	0	3	0	0	6	2	1	0	0	0	0	5	7	3	17	15	0	8	3	0	0	0	71	09-Aug-13
Stevenage	0	0	0	1	2	3	3	4	6	4	3	1	1	0	0	1	52	33	16	17	17	5	9	0	0	0	178	24-Jul-13
Stockers Lake	0	0	0	0	6	0	6	1	8	0	12	0	1	0	1	21	10	50	36	16	19	19	5	3	1	2	217	01-Aug-13
Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	0	0	2	1	0	0	0	12	01-Aug-13
The Warren	0	0	0	0	1	0	0	0	1	2	0	0	2	0	0	1	0	3	19	7	0	7	5	4	3	0	55	01-Aug-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	5	25	1	20	3	18	0	0	3	79	06-Aug-13







Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak	
<b>Orange Tip 2013</b>																													
Aldbury Nowers	0	0	0	2	4	7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	07-May-13	
Balls Wood	0	0	0	0	0	8	4	1	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19	07-May-13	
Beane Hill	0	0	0	0	2	0	4	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	25-May-13	
Bedfont Lakes	0	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	25-May-13	
Bencroft Wood	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	02-Jun-13	
Bishops Stortford Southern Country Park	0	0	0	0	2	3	0	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25-May-13	
Bricket Wood Common	0	0	0	0	0	2	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	19-May-13	
Butterfly World	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	14-Jun-13	
Cranford Park	0	0	0	0	1	0	0	0	6	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	10	01-Jun-13	
Danemead	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	06-May-13	
Danesbury Park	0	0	0	0	0	0	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	16-May-13	
Fryet Country Park	0	0	0	0	2	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	25-May-13	
Gravel Hill	0	0	0	0	0	5	16	10	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	16-May-13	
Gunnersbury Triangle	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	05-May-13	
Hampstead Heath	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	01-May-13	
Harpenden Common	0	0	0	0	0	2	4	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	16-May-13	
Heartwood Forest	0	0	0	0	10	15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	06-May-13	
Horsenden Hill East	0	0	0	0	8	4	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	01-May-13	
Horsenden Hill West	0	0	0	2	2	11	10	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	12-May-13	
Hounslow Heath	0	0	0	0	2	2	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	27-May-13	
Kenwood estate	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	16-May-13	
Lake Farm	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	30-Apr-13	
Lakeside Nature reserve	0	0	0	0	3	0	3	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25-May-13	
Lee Valley Turnford	0	0	0	0	0	8	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	10-May-13	
Lemsford Springs	0	0	0	0	0	5	0	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	26-May-13	
Mardley Heath	0	0	0	0	3	17	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	12-May-13	
Marshalls Heath	0	0	0	0	5	4	9	6	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	19-May-13	
Miswell Lane	0	0	0	0	2	0	7	2	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	16-May-13	
Northaw Great Wood Bridleway	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	07-May-13	
Northaw Great Wood Middleway	0	0	0	0	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	07-May-13	
Parkland Walk South	0	0	0	0	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	06-May-13	
Patmore Heath	0	0	0	0	0	0	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	19-May-13	
Perivale Wood	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	25-May-13	
Railway Fields	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	21-Apr-13	
Roughdown Common (Lower)	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	25-May-13	
Sherrards Park Wood - Red Lion to Reddings	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	07-May-13	
Sherrards Park Wood (Reddings)	0	0	0	0	0	4	4	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	10-May-13	
Sherrards Park Wood Templewood	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	07-May-13	
Sherrardspark Wood sefton	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	26-May-13	
Shrubhill Common	0	0	0	1	5	7	7	1	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	06-May-13	
Stevenage	0	0	0	0	0	3	4	12	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	25-May-13	
Stockers Lake	0	0	0	0	8	17	3	9	3	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	07-May-13	
Templewood	0	0	0	0	0	2	0	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	26-May-13	
Therfield Heath Lankester Hill	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16-May-13	
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	16-May-13	
Tower Hamlets Cemetery Park	0	0	0	6	14	20	18	9	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	09-May-13	
Tring Park	0	0	0	0	2	3	5	4	4	0	1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	26	19-May-13	
Ware Park	0	0	0	0	2	2	5	6	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	31-May-13	
Waterford Heath North	0	0	0	0	2	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	26-May-13	
Waterford Heath South	0	0	0	0	6	5	8	6	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	19-May-13	
Wood Lane, Pirton	0	0	0	0	0	4	0	1	4	10	4	6	6	1	1	0	0	0	0	0	0	0	0	0	0	0	37	07-Jun-13	
<b>mean Orange Tip</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>1.9</b>	<b>3.4</b>	<b>3.0</b>	<b>2.6</b>	<b>1.9</b>	<b>1.2</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15.3</b>	<b>16-May-13</b>	

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Green Hairstreak 2013</b>																												
Aldbury Nowers	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	05-Jun-13
Tring Park	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14-Jun-13
<b>mean Green Hairstreak</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1.5</b>	<b>0.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.5</b>	<b>06-Jun-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Purple Hairstreak 2013</b>																												
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	15	16	12	11	4	0	0	0	0	71	08-Aug-13
Hounslow Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	0	2	0	0	0	0	0	0	0	11	11-Jul-13
Kenwood estate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	2	4	3	0	0	0	25	05-Aug-13	
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	6	03-Aug-13	
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3	0	0	0	0	0	0	6	10-Aug-13	
Northaw Great Wood Bridleway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6	0	0	0	0	7	20-Aug-13	
Northaw Great Wood Middleway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	17-Jul-13	
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1	1	1	1	0	0	0	8	26-Jul-13	
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3	29-Aug-13	
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	01-Aug-13	
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	01-Aug-13	
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	19-Aug-13	
<b>mean Purple Hairstreak</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.5</b>	<b>0.4</b>	<b>1.8</b>	<b>2.2</b>	<b>2.4</b>	<b>1.2</b>	<b>1.8</b>	<b>0.8</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>11.1</b>	<b>05-Aug-13</b>	

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>White-letter Hairstreak 2013</b>																												
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	21-Jul-13
Horsenden Hill East	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	13-Jul-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	4	06-Jul-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	26-Jul-13
<b>mean White-letter Hairstreak</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0.5</b>	<b>0.5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>14-Jul-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Small Copper 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	3	6	0	13	2	0	0	0	0	28	20-Aug-13
Bencroft Wood	0	0	0	0	0	0	0	5	5	5	1	1	1	0	0	0	0	2	2	0	2	0	0	0	0	0	24	26-May-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	0	0	0	0	0	7	25-Aug-13
Butterfly World	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	31-May-13
Cranford Park	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	7	1	2	0	0	0	0	2	0	0	0	11	18-Jul-13
Danesbury Park	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14-Jun-13
Harpenden Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	18-Aug-13
Heartwood Forest	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3	27-May-13
Horsenden Hill East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	08-Aug-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	3	1	0	1	0	0	0	0	1	0	0	0	2	0	0	0	0	9	08-Jun-13
Hounslow Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	06-Aug-13
Kenwood estate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	2	1	3	1	0	1	1	15	05-Aug-13
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	27-Sep-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	4	2	2	5	0	0	0	0	17	27-Aug-13
Perivale Wood	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	15-Jun-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	3	1	0	0	0	0	7	23-Aug-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	0	0	0	1	13	08-Aug-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3	27-Aug-13
Stockers Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	20-Aug-13
Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	21-Aug-13
The Warren	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	06-Jun-13
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	20-Aug-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	11-Sep-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	5	22-Sep-13
Walpole Park	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	20-Jun-13
Ware Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-Jul-13
Waterford Heath North	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	07-Jun-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	3	0	0	0	1	10	18-Aug-13	
<b>mean Small Copper</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.1</b>	<b>0.4</b>	<b>0.9</b>	<b>0.6</b>	<b>1.2</b>	<b>0.8</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>6.3</b>	<b>10-Aug-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Small Blue 2013</b>																												
Butterfly World	0	0	0	0	0	0	0	0	0	0	4	7	6	10	0	0	0	11	18	6	5	1	1	0	0	0	77	08-Aug-13
<b>mean Small Blue</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>7</b>	<b>6</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>18</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77</b>	<b>08-Aug-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Peak
<b>Brown Argus 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	16	0	0	5	0	1	0	0	6	20	0	36	38	0	0	0	0	122	27-Aug-13
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	16-Jun-13
Bencroft Wood	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	07-Jun-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	27-Aug-13
Butterfly World	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2	0	2	4	0	0	0	0	12	28-Aug-13
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	17-Aug-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	2	0	0	0	0	7	25-Aug-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	03-Aug-13
Hounslow Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	26-Jul-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	4	0	0	0	0	8	27-Aug-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	12-Aug-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	27-Aug-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	2	0	0	1	0	0	10	12-Jun-13
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	4	0	0	2	0	0	9	20-Aug-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	18-Jun-13
Therfield Heath Rifle Range	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	18-Jun-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	2	0	0	0	0	5	18-Jun-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	4	31-Aug-13
Waterford Heath North	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	1	3	0	0	0	0	9	29-Jul-13	
Waterford Heath South	0	0	0	0	0	0	0	0	5	8	3	2	0	0	1	0	3	7	3	6	12	10	1	0	0	61	21-Aug-13	
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	25-Jul-13	
<b>mean Brown Argus</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>1.2</b>	<b>0.6</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.3</b>	<b>0.9</b>	<b>1.3</b>	<b>0.4</b>	<b>3.0</b>	<b>3.2</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>12.7</b>	<b>23-Aug-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Common Blue 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	4	0	0	8	0	1	1	0	5	31	0	32	16	0	0	0	0	98	20-Aug-13
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	19-Jun-13
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	19	4	10	7	12	0	9	0	0	0	0	0	0	0	0	0	61	16-Jun-13
Bencroft Wood	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	2	1	1	6	2	0	0	0	0	15	21-Aug-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	0	0	4	2	10	26	24	4	2	0	0	83	21-Aug-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	2	9	0	1	0	0	0	19	25-Aug-13	
Butterfly World	0	0	0	0	0	0	0	0	0	13	9	9	42	26	8	0	3	18	42	54	63	59	39	0	0	0	394	19-Aug-13
Gunnersbury Triangle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	03-Aug-13
Harpenden Common	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	2	0	12	2	0	11	0	0	0	31	18-Aug-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	3	0	0	3	9	2	0	1	0	0	11	23	8	0	2	0	0	62	25-Aug-13
Horsenden Hill East	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	4	08-Aug-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	0	1	0	0	0	0	6	29-Jun-13
Hounslow Heath	0	0	0	0	0	0	0	0	0	0	3	4	1	4	0	0	1	2	3	0	0	0	0	0	0	0	18	19-Jun-13
Kenwood estate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	05-Aug-13
Lakeside Nature reserve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	29-Aug-13
Lee Valley Turnford	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	3	04-Jun-13
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	0	0	0	4	17-Aug-13
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	10	10-Aug-13
Miswell Lane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	29-Aug-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	4	09-Aug-13
Perivale Wood	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	5	0	1	0	0	0	0	9	13-Aug-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	2	10	21	7	0	2	0	1	0	23	55	39	71	30	18	0	0	0	280	23-Aug-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	1	0	3	2	0	0	0	3	10	12	21	11	4	0	0	0	67	19-Aug-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	5	7	18	13	11	4	0	0	0	60	13-Aug-13
Stockers Lake	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	4	15-Jun-13
Templewood	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	3	2	0	0	0	0	8	21-Aug-13
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	1	7	0	20	6	13	0	0	52	19-Aug-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	4	1	2	0	0	0	0	0	0	0	3	3	2	2	1	0	18	12-Jun-13
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	3	3	1	0	0	0	0	0	2	5	6	9	4	3	1	1	38	26-Aug-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	2	0	0	0	0	0	6	25-Jun-13
Therfield Heath Rifle Range	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2	1	2	0	0	0	9	18-Jun-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	7	9	2	7	1	0	0	0	0	0	9	6	3	1	0	0	45	18-Jun-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	25	12	0	0	0	0	0	3	2	2	45	29-Jul-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	12	2	19	22	0	2	1	64	05-Sep-13
Ware Park	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	3	2	0	0	0	0	9	19-Aug-13
Waterford Heath North	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	5	01-May-13
Waterford Heath South	0	0	0	0	0	0	0	0	2	6	4	13	4	1	0	0	1	1	11	23	47	27	4	1	0	0	145	21-Aug-13
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	19-Jun-13
<b>mean Common Blue</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>1.1</b>	<b>2.0</b>	<b>1.7</b>	<b>2.5</b>	<b>1.6</b>	<b>0.8</b>	<b>0.1</b>	<b>0.4</b>	<b>2.5</b>	<b>5.3</b>	<b>5.8</b>	<b>9.1</b>	<b>6.7</b>	<b>3.3</b>	<b>0.7</b>	<b>0.2</b>	<b>0.1</b>	<b>44.4</b>	<b>20-Aug-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Chalkhill Blue 2013</b>																												
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	80	62	144	50	28	38	14	3	3	0	441	06-Aug-13
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	152	118	126	63	40	18	11	1	0	0	550	22-Jul-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	77	140	53	25	2	0	0	0	0	300	29-Jul-13	
Therfield Heath Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	573	740	252	75	26	16	10	4	0	0	1759	29-Jul-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	848	1453	751	261	84	44	19	1	0	0	3572	29-Jul-13
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	9	0	4	2	0	0	0	0	17	07-Aug-13
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	3	08-Aug-13
<b>mean Chalkhill Blue</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.0</b>	<b>247.3</b>	<b>359.1</b>	<b>190.9</b>	<b>67.9</b>	<b>26.3</b>	<b>16.9</b>	<b>7.9</b>	<b>1.3</b>	<b>0.4</b>	<b>0.0</b>	<b>397.4</b>	<b>28-Jul-13</b>



Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Holly Blue 2013</b>																												
Balls Wood	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	07-May-13
Beane Hill	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	03-Jun-13
Bedfont Lakes	0	0	0	0	6	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	02-May-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	25-May-13
Bricket Wood Common	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	3	0	1	1	0	0	0	0	0	0	9	26-Jul-13
Cranford Park	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	5	01-Aug-13
Danesbury Park	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19-Jun-13
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	17-Aug-13
Gunnersbury Triangle	0	0	1	0	3	0	2	2	1	0	0	0	0	0	0	0	0	4	3	0	0	0	0	0	0	0	16	03-Aug-13
Harpden Common	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5	01-May-13
Heartwood Forest	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	4	26-Aug-13
Horsenden Hill East	0	0	0	0	2	1	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	26-May-13
Horsenden Hill West	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	19-May-13
Hounslow Heath	0	0	0	0	1	1	1	0	2	0	1	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	10	27-May-13
Kenwood estate	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	03-Jun-13
Lakeside Nature reserve	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	01-May-13
Lee Valley Turnford	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	04-Jun-13
Lemsford Springs	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	01-May-13
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	4	03-Aug-13
Marshalls Heath	0	0	0	0	1	2	1	3	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	10	25-May-13
Miswell Lane	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	01-May-13
Northaw Great Wood Bridleway	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	07-May-13
Parkland Walk South	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	6	06-May-13
Patmore Heath	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	11-May-13
Perivale Wood	0	0	0	0	1	0	0	0	2	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	7	27-May-13
Railway Fields	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	2	1	1	1	0	1	0	0	0	0	0	9	19-Jul-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	05-Jun-13
Sherrards Park Wood - Red Lion to Reddings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	22-Jul-13
Shrubhill Common	0	0	0	0	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	8	06-May-13
St James' Park/Green Park	0	0	0	0	0	2	0	0	2	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	7	07-May-13
Stevenage	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	06-May-13
Stockers Lake	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	4	19-May-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	02-Sep-13
Tower Hamlets Cemetery Park	0	0	1	10	6	5	8	2	2	2	0	2	3	5	4	12	9	21	24	0	1	8	4	1	0	0	130	05-Aug-13
Walpole Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	01-Aug-13
Ware Park	0	0	0	0	0	1	0	0	2	1	0	1	1	0	0	0	0	0	1	1	3	1	0	0	0	0	12	19-Aug-13
Waterford Heath North	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	26-May-13
Waterford Heath South	0	0	0	0	1	0	0	3	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	8	26-May-13
Wood Lane, Pirton	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	2	1	0	0	1	0	0	0	0	0	0	7	19-Jul-13
<b>mean Holly Blue</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.3</b>	<b>0.7</b>	<b>0.6</b>	<b>0.5</b>	<b>0.6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.5</b>	<b>0.6</b>	<b>0.9</b>	<b>0.8</b>	<b>0.2</b>	<b>0.2</b>	<b>0.4</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.2</b>	<b>16-May-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak	
<b>White Admiral 2013</b>																													
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2	1	3	2	0	0	0	0	0	0	0	0	18	12-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	5	4	1	1	0	0	0	0	0	0	0	0	20	11-Jul-13
Northaw Great Wood Bridleway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	25-Jul-13	
<b>mean White Admiral</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.3</b>	<b>2.3</b>	<b>2.0</b>	<b>1.3</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>13.0</b>	<b>11-Jul-13</b>	

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak	
<b>Purple Emperor 2013</b>																													
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	26-Jul-13
<b>mean Purple Emperor</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>26-Jul-13</b>	

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak	
<b>Red Admiral 2013</b>																													
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	3	24-Jul-13	
Bedfont Lakes	0	1	0	2	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	23-Apr-13	
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	4	08-Aug-13	
Cranford Park	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	29-Apr-13	
Fryent Country Park	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	30-Jun-13	
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	05-Jul-13	
Gunnersbury Triangle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	11-Aug-13	
Hampstead Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	09-Jul-13	
Harpenden Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	28-Jul-13	
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	5	25-Jul-13	
Horsenden Hill West	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	04-May-13	
Hounslow Heath	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	6	0	0	0	0	0	0	0	0	0	9	26-Jul-13	
Kenwood estate	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2	05-Jul-13	
Lake Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	0	0	0	0	0	0	0	5	11-Jul-13	
Lakeside Nature reserve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	20-Aug-13	
Lemsford Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	05-Jul-13	
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	3	06-Jul-13	
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	3	03-Aug-13	
Miswell Lane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	22-Jul-13	
Parkland Walk South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	24-Sep-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	4	27-Jun-13	
Sherrards Park Wood - Red Lion to Reddings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	21-Jul-13	
Sherrardspark Wood sefton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	4	02-Aug-13	
St James' Park/Green Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	17-Jul-13	
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	07-Aug-13	
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	24-Sep-13	
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	08-Jul-13	
Tower Hamlets Cemetery Park	0	0	0	1	0	0	1	1	1	0	1	6	10	6	5	2	3	4	9	0	0	2	2	1	0	2	57	29-Jun-13	
Walpole Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	16-Jul-13	
Ware Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	1	0	0	0	0	6	11-Aug-13	
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3	07-Sep-13	
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	25-Jun-13	
<b>mean Red Admiral</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.4</b>	<b>0.5</b>	<b>0.3</b>	<b>0.2</b>	<b>0.7</b>	<b>0.3</b>	<b>0.5</b>	<b>0.2</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>4.5</b>	<b>14-Jul-13</b>	

<b>Week Number:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>Total</b>	<b>Peak</b>
<b>Painted Lady 2013</b>																												
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	12-Aug-13
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	1	0	0	0	7	08-Aug-13
Cranford Park	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	01-Jun-13
Fryent Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	13-Jul-13
Harpenden Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	14-Jul-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	21-Jun-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	06-Jul-13
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	17-Aug-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	18-Aug-13
Sherrardspark Wood sefton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	16-Jul-13
St James' Park/Green Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	08-Jul-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	2	0	2	2	0	2	1	0	3	44	4	0	0	2	0	0	0	0	62	29-Jul-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	18-Aug-13
Ware Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	4	11-Aug-13
Waterford Heath North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	13-Jul-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	21-Aug-13
<b>mean Painted Lady</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.2</b>	<b>0.4</b>	<b>0.1</b>	<b>0.2</b>	<b>2.8</b>	<b>0.7</b>	<b>0.4</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.6</b>	<b>29-Jul-13</b>

<b>Week Number:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>Total</b>	<b>Peak</b>	
<b>Small Tortoiseshell 2013</b>																													
Aldbury Nowers	0	0	0	1	0	0	0	0	0	0	0	0	0	1	4	2	0	0	0	0	6	1	0	0	0	0	0	15	20-Aug-13
Beane Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	16-Jul-13
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	7	0	0	0	0	0	0	0	0	0	0	0	19	11-Jul-13
Bishops Stortford Southern Country Park	1	1	5	2	2	0	1	0	0	0	0	0	0	6	14	20	8	3	0	7	13	9	2	0	0	2	96	17-Jul-13	
Bricket Wood Common	0	0	2	0	2	0	0	0	0	0	0	0	0	3	3	0	1	0	1	6	3	1	0	0	0	0	0	22	18-Aug-13
Butterfly World	0	0	0	6	1	0	0	0	1	0	0	0	2	28	31	19	20	4	13	27	41	7	0	0	0	0	205	19-Aug-13	
Cranford Park	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	02-Apr-13	
Danesbury Park	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	14-Apr-13	
Fryent Country Park	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6	21-Apr-13	
Gravel Hill	0	0	0	20	32	21	9	4	8	3	0	1	4	19	32	14	14	5	2	2	2	2	0	0	0	0	194	30-Apr-13	
Gunnersbury Triangle	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	20-Apr-13	
Hampstead Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	15-Jul-13	
Harpenden Common	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	3	1	0	0	3	1	1	0	0	0	11	28-Jul-13	
Heartwood Forest	0	1	1	1	3	1	0	0	0	0	0	0	0	9	10	0	0	0	0	0	0	0	0	0	0	0	26	11-Jul-13	
Horsenden Hill East	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3	20-Apr-13	
Horsenden Hill West	0	0	1	1	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	7	19-May-13	
Hounslow Heath	0	0	1	2	0	0	0	1	0	0	0	0	0	2	10	2	0	0	0	0	0	0	0	0	0	0	0	18	11-Jul-13
Kenwood estate	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	6	05-Jul-13	
Lake Farm	0	0	0	10	1	0	0	0	0	0	0	0	0	6	1	1	0	0	2	0	0	0	0	0	0	0	21	25-Apr-13	
Lakeside Nature reserve	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	1	0	0	0	11	20-Aug-13	
Lee Valley Turnford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	1	0	0	0	0	6	15-Jul-13	
Lemsford Springs	0	0	6	4	0	0	0	0	0	0	0	0	0	0	4	5	2	0	0	0	0	0	0	0	0	0	21	18-Apr-13	
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	5	06-Jul-13	
Marshalls Heath	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	27-Jul-13	
Miswell Lane	0	0	2	3	4	0	1	0	2	4	0	0	0	0	26	0	9	0	1	0	27	17	7	0	0	2	114	20-Aug-13	
Northaw Great Wood Middleway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	01-Aug-13	
Parkland Walk South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	20-Aug-13	
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	1	0	0	0	2	6	1	0	0	0	24	13-Jul-13	
Pryors Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	07-Jul-13	
Roughdown Common (Lower)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	0	1	0	0	0	0	0	0	0	10	12-Jul-13	
Shrubhill Common	3	0	4	4	0	0	0	0	0	0	0	0	1	4	9	2	2	0	0	0	4	1	0	0	0	0	34	09-Jul-13	
Stevenage	0	0	2	2	3	0	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	14	16-Jul-13	
Stockers Lake	0	0	0	3	1	0	0	0	0	0	0	0	2	9	17	6	2	0	5	3	0	0	0	0	0	0	48	08-Jul-13	
Templewood	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	11-Jul-13	
The Warren	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	1	0	0	1	0	1	0	0	9	20-Apr-13	
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	4	8	0	0	1	15	05-Sep-13	
Therfield Heath Church Hill	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	15-Apr-13	
Therfield Heath Lankester Hill	0	2	0	4	1	0	0	0	0	0	0	0	1	14	11	14	0	2	0	0	0	0	0	0	0	0	49	05-Jul-13	
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	3	08-Jul-13	
Tower Hamlets Cemetery Park	1	0	1	5	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	10	27-Apr-13	
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	9	5	0	1	0	0	0	19	18-Aug-13	
Ware Park	0	0	2	1	1	1	2	0	0	0	0	0	1	8	15	13	1	0	1	0	9	6	0	0	0	0	61	08-Jul-13	
Waterford Heath North	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	3	2	0	0	0	0	9	21-Aug-13	
Waterford Heath South	0	0	0	1	2	0	0	0	0	0	0	0	3	0	7	3	1	0	1	2	1	2	0	0	0	0	23	09-Jul-13	
Wood Lane, Pirton	0	1	1	4	0	0	0	0	0	0	0	0	0	0	3	2	2	1	0	0	0	0	0	0	0	0	14	25-Apr-13	
<b>mean Small Tortoiseshell</b>	<b>0.2</b>	<b>0.2</b>	<b>0.9</b>	<b>1.7</b>	<b>1.3</b>	<b>0.6</b>	<b>0.3</b>	<b>0.1</b>	<b>0.3</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>2.7</b>	<b>5.2</b>	<b>2.9</b>	<b>1.6</b>	<b>0.5</b>	<b>0.6</b>	<b>1.3</b>	<b>3.0</b>	<b>1.3</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>26.1</b>	<b>29-Jul-13</b>	





Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Dark Green Fritillary 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	5	8	19	14	4	5	3	0	0	0	0	0	0	0	58	10-Jul-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	13-Jul-13
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	22-Jul-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	5	08-Jul-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	01-Aug-13
<b>mean Dark Green Fritillary</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>1.2</b>	<b>1.8</b>	<b>1.8</b>	<b>2.6</b>	<b>2.2</b>	<b>1.7</b>	<b>1.2</b>	<b>1.5</b>	<b>2.6</b>	<b>4.8</b>	<b>4.9</b>	<b>7.4</b>	<b>5.5</b>	<b>3.1</b>	<b>1.4</b>	<b>1.2</b>	<b>1.2</b>	<b>38.4</b>	<b>10-Jul-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Silver-washed Fritillary 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	3	0	0	0	0	9	07-Aug-13
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	3	0	0	0	0	0	0	0	0	0	16	16-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	14	5	5	1	0	0	0	0	0	0	38	26-Jul-13
Danemead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	12	1	0	0	0	0	0	0	19	11-Aug-13
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	9	10	2	1	0	1	0	0	0	0	25	03-Aug-13
Northaw Great Wood Middleway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	17-Jul-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	18-Aug-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	23-Jul-13
Sherrards Park Wood Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	21-Jul-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3	24-Jul-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	29-Aug-13
<b>mean Silver-washed Fritillary</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>2.4</b>	<b>2.6</b>	<b>1.8</b>	<b>2.2</b>	<b>0.4</b>	<b>0.0</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.5</b>	<b>30-Jul-13</b>





<b>Week Number:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>Total</b>	<b>Peak</b>	
<b>Marbled White 2013</b>																													
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	1	51	302	276	85	20	10	0	1	0	0	0	0	0	0	746	10-Jul-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	20	12	0	0	0	0	0	0	0	0	0	0	44	17-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	23	17	7	0	0	0	0	0	0	0	0	0	62	16-Jul-13
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	3	0	0	0	0	0	0	0	0	0	0	24	18-Jul-13
Danesbury Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	12	10-Jul-13
Fryent Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	16-Jul-13
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	26	13	2	1	0	0	0	0	0	0	0	0	54	18-Jul-13
Harpenden Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	43	0	0	0	5	0	0	0	0	0	0	78	28-Jul-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	12	44	14	12	0	0	0	0	0	0	0	0	0	0	82	11-Jul-13
Horsenden Hill East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	1	0	1	0	0	0	0	0	0	0	0	15	18-Jul-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	23	19	3	0	0	0	0	0	0	0	0	0	56	20-Jul-13
Lakeside Nature reserve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	22-Jul-13
Lee Valley Turnford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	15-Jul-13
Lemsford Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	17-Jul-13
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	3	24	53	0	0	1	0	0	0	0	0	0	0	0	0	78	14-Jul-13
Miswell Lane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	22-Jul-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	21-Jul-13
Perivale Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	21-Jul-13
Pryors Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	14-Jul-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	40	5	0	0	0	0	0	0	0	0	0	0	70	17-Jul-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	82	56	2	0	0	0	0	0	0	0	0	0	182	19-Jul-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	37	8	0	0	0	0	0	0	0	0	0	0	64	16-Jul-13
Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	12	0	0	0	0	0	0	0	0	0	0	16	22-Jul-13
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	39	67	42	0	0	0	0	0	0	0	0	0	149	15-Jul-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	18	12	3	0	0	0	0	0	0	0	0	0	43	17-Jul-13
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	5	0	0	0	0	0	0	0	0	0	0	16	15-Jul-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	5	65	161	42	27	0	0	0	0	0	0	0	0	0	300	15-Jul-13
Therfield Heath Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	28	4	5	0	0	0	0	0	0	0	0	0	41	15-Jul-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	58	14	4	0	0	0	0	0	0	0	0	0	89	15-Jul-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	31	28	16	0	0	0	0	0	0	0	0	0	107	16-Jul-13
Waterford Heath North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	22-Jul-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	0	7	11	18	14	0	0	0	0	0	0	0	0	0	0	50	18-Jul-13
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	4	19-Jul-13
<b>mean Marbled White</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>3.6</b>	<b>21.5</b>	<b>28.3</b>	<b>14.5</b>	<b>4.0</b>	<b>0.4</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>72.6</b>	<b>14-Jul-13</b>





Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Ringlet 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	0	0	0	3	98	151	130	13	3	1	0	0	0	0	0	0	0	399	10-Jul-13
Balls Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	15	169	166	160	44	23	3	1	0	0	0	0	0	581	12-Jul-13
Bedfont Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	11-Jul-13
Bencroft Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	35	14	3	5	3	3	0	0	0	0	0	0	0	80	07-Jul-13
Bishops Stortford Southern Country Park	0	0	0	0	0	0	0	0	0	0	0	0	0	8	44	47	47	5	3	2	0	0	0	0	0	0	156	17-Jul-13
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	1	22	107	118	47	7	1	0	0	0	0	0	0	0	303	16-Jul-13
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	6	22-Jul-13
Cranford Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	4	11-Jul-13
Danemead	0	0	0	0	0	0	0	0	0	0	0	0	1	0	137	60	0	5	2	0	0	0	0	0	0	0	206	13-Jul-13
Danesbury Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	21	10-Jul-13
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	100	79	37	18	0	0	0	0	0	0	0	312	18-Jul-13
Hampstead Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	09-Jul-13
Harpenden Common	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	31	0	0	0	0	0	0	0	0	0	52	28-Jul-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	12	38	6	13	2	0	0	0	0	0	0	0	0	71	11-Jul-13
Horsenden Hill West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	13-Jul-13
Hounslow Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	5	30	14	4	1	0	0	0	0	0	0	0	0	54	11-Jul-13
Lake Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	18-Jul-13
Lakeside Nature reserve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	11	11-Jul-13
Lee Valley Turnford	0	0	0	0	0	0	0	0	0	0	0	0	0	21	31	45	20	3	0	0	0	0	0	0	0	0	120	15-Jul-13
Lemsford Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	10	13	16	14	1	1	0	0	0	0	0	0	0	55	17-Jul-13
Mardley Heath	0	0	0	0	0	0	0	0	0	0	0	0	6	30	93	69	17	7	0	0	0	0	0	0	0	0	222	14-Jul-13
Marshalls Heath	0	0	0	0	0	0	0	0	0	0	0	0	4	88	185	0	12	16	8	0	0	0	0	0	0	0	313	14-Jul-13
Miswell Lane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	11	0	0	0	0	0	0	0	0	0	27	11-Jul-13
Northaw Great Wood Bridleway	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	14	5	1	0	0	0	0	0	0	0	0	31	17-Jul-13
Northaw Great Wood Middleway	0	0	0	0	0	0	0	0	0	0	0	0	0	1	44	54	68	10	7	1	0	0	0	0	0	0	185	25-Jul-13
Patmore Heath	0	0	0	0	0	0	0	0	0	0	0	0	0	2	70	90	22	0	2	0	0	0	0	0	0	0	186	21-Jul-13
Pryors Wood	0	0	0	0	0	0	0	0	0	0	0	0	0	2	35	36	41	11	0	0	0	0	0	0	0	0	125	25-Jul-13
Roughdown Common (Lower)	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	3	1	1	0	0	0	1	0	0	0	22	17-Jul-13
Sherrards Park Wood - Red Lion to Reddings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	0	0	0	1	0	0	0	0	0	12	21-Jul-13
Sherrards Park Wood (Reddings)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	08-Aug-13
Sherrards Park Wood Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	21-Jul-13
Sherrardspark Wood sefton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	2	0	0	0	0	0	0	0	0	0	7	14-Jul-13
Shrubhill Common	0	0	0	0	0	0	0	0	0	0	0	0	0	17	20	27	9	1	0	1	0	0	0	0	0	0	75	19-Jul-13
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	102	70	12	1	0	0	0	0	0	0	0	223	16-Jul-13
Stockers Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	1	0	0	0	0	0	7	08-Jul-13
Templewood	0	0	0	0	0	0	0	0	0	0	0	0	0	13	15	24	47	2	0	0	0	0	0	0	0	0	101	22-Jul-13
The Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	13	0	0	0	0	0	0	0	0	27	22-Jul-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	2	0	0	0	0	0	0	0	8	17-Jul-13
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	8	22-Jul-13
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	7	9	24	1	0	0	0	0	0	0	0	0	0	41	15-Jul-13
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	5	7	1	0	0	0	0	0	0	0	0	24	08-Jul-13
Tower Hamlets Cemetery Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	12-Jul-13
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	24	17	7	0	0	0	0	0	0	0	0	83	13-Jul-13
Ware Park	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	18	13	5	0	0	0	0	0	0	0	0	54	16-Jul-13
Waterford Heath North	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	5	13	3	0	0	0	0	0	0	0	0	30	22-Jul-13
Waterford Heath South	0	0	0	0	0	0	0	0	0	0	0	0	1	16	17	46	21	1	0	0	2	0	0	0	0	0	104	18-Jul-13
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	34	41	9	4	3	0	0	2	0	0	0	122	25-Jul-13
<b>mean Ringlet</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>8.8</b>	<b>32.1</b>	<b>27.9</b>	<b>18.8</b>	<b>4.5</b>	<b>1.7</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>95.3</b>	<b>15-Jul-13</b>

Week Number:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total	Peak
<b>Small Heath 2013</b>																												
Aldbury Nowers	0	0	0	0	0	0	0	0	0	22	0	0	11	5	2	1	0	3	6	0	22	3	0	0	0	0	75	05-Jun-13
Bedfont Lakes	0	0	0	0	0	0	0	0	1	0	4	7	2	16	12	10	3	0	0	0	0	0	0	0	0	55	05-Jul-13	
Bencroft Wood	0	0	0	0	0	0	0	2	0	6	5	9	1	4	1	1	0	0	0	0	0	0	0	0	0	31	19-Jun-13	
Bricket Wood Common	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	5	0	1	9	05-Sep-13	
Butterfly World	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	2	0	0	0	0	0	6	22-Jul-13	
Cranford Park	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	13	18	14	1	0	0	0	0	0	0	58	25-Jul-13	
Danesbury Park	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	5	14-Jun-13	
Gravel Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	7	14	17	9	7	4	0	0	0	0	0	0	58	24-Jul-13	
Harpenden Common	0	0	0	0	0	0	0	0	3	3	0	1	2	4	0	0	0	8	0	0	1	0	0	0	1	0	23	01-Aug-13
Heartwood Forest	0	0	0	0	0	0	0	0	0	2	1	3	5	29	19	1	0	0	0	2	14	15	1	0	0	92	05-Jul-13	
Hounslow Heath	0	0	0	0	0	0	0	0	1	0	3	9	6	4	5	3	0	1	0	0	0	0	0	0	0	32	19-Jun-13	
Lake Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	0	3	0	0	0	0	0	0	9	18-Jul-13	
Patmore Heath	0	0	0	0	0	0	0	0	0	4	1	2	2	2	0	0	0	0	1	0	2	0	0	0	0	14	06-Jun-13	
Stevenage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	09-Jul-13	
Stockers Lake	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	05-May-13	
Stockers Lake	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	05-May-13	
The Warren	0	0	0	0	0	0	0	1	6	23	0	1	20	11	13	11	9	3	2	2	0	6	8	7	3	4	130	06-Jun-13
Therfield Heath Base of Church Hill	0	0	0	0	0	0	0	0	0	0	1	2	3	2	2	3	0	0	0	0	3	3	0	0	0	19	26-Jun-13	
Therfield Heath Church Hill	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	1	0	0	0	0	0	1	0	0	0	6	25-Jun-13	
Therfield Heath Lankester Hill	0	0	0	0	0	0	0	0	0	0	5	12	4	18	9	12	0	0	0	4	2	0	2	0	0	68	05-Jul-13	
Therfield Heath Rifle Range	0	0	0	0	0	0	0	0	0	2	3	5	1	4	3	0	0	0	0	0	0	1	2	0	0	21	18-Jun-13	
Therfield Heath Top of Rifle Range	0	0	0	0	0	0	0	0	0	6	11	28	20	10	12	12	7	0	0	0	9	14	6	3	0	138	18-Jun-13	
Tring Park	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	1	0	1	2	5	2	0	0	15	31-Aug-13	
Waterford Heath North	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16-Jun-13	
Waterford Heath South	0	0	0	0	0	0	0	0	1	1	5	4	4	4	2	0	1	1	0	5	3	3	5	0	0	40	14-Jun-13	
Wood Lane, Pirton	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	16-Jun-13	
<b>mean Small Heath</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.5</b>	<b>2.7</b>	<b>1.7</b>	<b>3.3</b>	<b>3.4</b>	<b>4.5</b>	<b>3.9</b>	<b>3.3</b>	<b>2.2</b>	<b>1.5</b>	<b>0.8</b>	<b>0.8</b>	<b>2.2</b>	<b>2.0</b>	<b>1.2</b>	<b>0.4</b>	<b>0.2</b>	<b>0.2</b>	<b>35.0</b>	<b>25-Jun-13</b>