Sun Rising NBG Moth Survey 2024/5 – A Brief Review



Alan Prior

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Cover Photo: 1643 (68.001) **Emperor Moth** (*Saturnia pavonia*) - 4th April, 2025 *© M. Kennard*

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Sun Rising NBG Moth Surveys 2024/5

Introduction

2024 was a most miserable year weather wise and it was somewhat miraculous that three visits were actually managed. Opportunities were sparce, but at least the July visit was productive with some new species recorded. 2025 was a much better year until Autumn, which was plagued by consistently poor conditions that disappointingly meant a visit during that season wasn't possible. Over the two years combined over 300 species were recorded, which was a respectable total and more than a dozen new species were added to the list for Sun Rising.

Visit 1 – 7th May, 2024

The first visit of the year to Sun Rising. I had a call from Steve Chappell the previous night to say he wanted to come so I had company tonight. He was already in the car park when I arrived. I confirmed where my traps were going so Steve could set up his. Once completed there was still a little while to wait before switching them on as we had a the "traditional" clear sky. As expected, we weren't overwhelmed with moths, but we did have a steady trickle. At least there were moths in all three traps when they were investigated. It was a very relaxed night, although the only annoyance was a breeze that appeared from nowhere and lasted quite a while and stopped the moths flying. Then as soon as the wind dropped again the temperature plummeted. The counting and packing up process was already underway by that point though. Steve managed to leave a few minutes before me and I was pulling the gate shut just after 3 am. Nothing recorded was new for the site, but it was good to finally get the year underway. Amongst the species recorded were: ***Pseudoswammerdamia combinella***, **Broken-barred Carpet**, **Peppered Moth**, **Lime Hawk-moth**, **Chocolate-tip**, **Muslin Moth**, **Silver Cloud** and **Powdered Quaker**.



1931 (70.252) **Peppered Moth** (*Biston betularia*) – 7th May, 2024

Visit 2 – 29th July, 2024

A tiny sliver of summer had shown up in this most miserable of years and so a trip was hastily arranged to Sun Rising for the first time since May! Because of the short notice I expected it to be a solo venture. I had a pretty good journey and after setting up it wasn't too long after 9:30 pm when the traps were switched on. Unusually for this year, the moths started arriving quite quickly with **Ruby Tigers** being the first in the traps. It actually looked like a proper moth night as the traps continually filled up. Time flew by very quickly. As there were so many moths I thought I'd better start counting straight after having a bite to eat . It was going to be a challenge as there were so many of the small Ermine's it was impossible to be that accurate counting them. Especially, the Willow Ermine, as there were hundreds if not thousands of them. They were in a great funnel above the traps and went far up into the darkness. I would describe the Ermine's like there an invisible force in the sky that just kept throwing down confetti at the traps! It was amazing. The traps went off a couple of times as the geni needed some oil. At least that gave me a break! I counted up the best I could, as not having seen anything like this for over a year I was out of practice. The last light went off just after 3:30 am. After loading up the car it was a relief to set off for home just before 4 o'clock. It had been a very productive evening with eight species new to Sun Rising being recorded. They were: ***Coleophora trochilella***, ***Coleophora argentula***, ***Endotricha flammealis***, **Pine Hawk-moth**, **Scarlet Tiger**, **Kent Black Arches**, **Purple Clay** and **Sycamore**.



2068 (72.029) **Scarlet Tiger** (*Callimorpha dominula*) – 29th July, 2024

Visit 3 – 3rd September, 2024

After a good journey I arrived at Sun Rising just before 8 pm and got straight on with setting up the traps. While I was waiting for it to get dark Steve Luckett arrived and then Martin, after he'd put his trap up at the other end of the site as usual. The traps were switched on about 8:30 pm. Before they did we had seen some Bats and had a brilliant view of a Barn Owl as it flew up the hedge towards Nova's Cabin. That was a treat. Moths were arriving at the traps, but it wasn't a deluge. After an hour or so a round of the traps was done and as expected, it was mostly brown stuff. However, there was a really nice **Feathered Gothic** in one of them. After looking in my two traps Steve headed home while Martin and I wandered up to look in the other trap. After a refreshment break, time was getting on for Martin as he had work tomorrow. So, after another look in my traps we went to pack up his trap. Not long after midnight Martin was on his way home and left me to it. It had gone quite clear by now and was getting cold. Not much was flying and so I decided to pack up too. The last light went off at a quarter to two and I was on my way home just after 2 am with a decent job done. Martin added a few species to the nights list via leafmines and that helped make it a worthwhile visit. Amongst the species found were: ***Scrobipalpa ocellatella***, ***Neocochylis molliculana***, **Pale Eggar**, **Dusky Thorn**, **Six-striped Rustic**, **Centre-barred Sallow** and **Flounced Rustic**.



2178 (73.253) **Feathered Gothic** (*Tholera decimalis*) – 3rd September, 2024

Visit 4 – 1st April, 2025

The first visit of 2025 to Sun Rising was made without huge expectations. It was just nice to be back for the first time since the previous September. When I arrived I found Steve Luckett was already on site sawing up bits of wood that will be turned into "Homes for Bugs" at an event in a couple of weeks. It was a less than perfect night thanks to a persistent Easterly breeze. I set up the usual trap by the cabin and the other one ended up in the far corner of the car park and was the most sheltered. After switching on I went for a wander hoping to see more of the Barn Owl that had flew over earlier. I did see it on the other side of the hedge. The moths were slow in coming because of the cold breeze, but there were some in both traps, so that was a result. Steve and I chatted until it was home time for Steve not long after 10 o'clock. I stuck it out for another couple of hours and got a couple of extra species. With the breeze dropping slightly, so did the temperature and so there wasn't much point in staying any later. It didn't take long to pack up and I was on my way home by half past midnight. The best moth turned out to be a very fresh **Red Chestnut** as it was only the second recorded at Sun Rising. So, at least there had been something of interest to report. It was a fairly successful night considering the conditions and at least we have some early records for the site, which we haven't for a few years. The species recorded were: **Shoulder Stripe**, **Early Thorn**, **Red Chestnut**, **Small Quaker**, **Common Quaker, Clouded Drab** and **Hebrew Character**.

A few days after this Martin Kennard visited Sun Rising during the day in the hope of attracting a male Emperor Moth with a pheromone trap. This was inspired by Steve discovering a cocoon on site in February 2024. Martin was just about to give up when the target arrived and he managed to get the photo that adorns the cover of this report. Well done, Martin.



© S. Luckett

1643 (68.001) **Emperor Moth** (*Saturnia pavonia*) – Cocoon – February, 2024

Visit 5 – 29th April, 2025

As the weather had been good, which was a major change from recent years, I was able to stick to the scheduled date to visit Sun Rising. The sunset was disappointing due to it being mostly obscured by some rogue clouds in the distance. I got to work setting up and had just finished when Martin arrived. I didn't know if he'd come or not, but he did and ran two traps as well! It wasn't too long before everything was up and running. Just after it was David came for a good old catch up and stayed for a full round of the traps. On the way round the traps David showed us a larval nest which turned out to be of the **Lackey** moth. Just before midnight David said his thanks and bid us farewell. That left Martin to have a pre pack up cuppa. With not overwhelming numbers of moths to count, but a nice range of species, it didn't take Martin long to be on his way home. I then had something to eat and because the trap on the track was now in a breeze I went and packed it up first. Of course, as soon as I had the wind dropped, but so did the temperature! By the time the second trap was packed up all the late flying species had arrived, including **Silver Cloud**. I knew there were at least a couple of new species for the site amongst the list and so that was a nice bonus. With everything loaded into the car I set off for home just after 2 am with a good job done. The two new species were **Frosted Green** and **Nut-tree Tussock**.



1660 (65.015) **Frosted Green** (*Polyploca ridens*) – 29th April, 2025

Visit 6 – 17th May, 2025

This visit was instigated by the County Macro Moth Recorder, David Brown. A lovely sunset is a double-edged sword here because with no cloud or wind the night can get very cold. However, with the lack of wind the hours immediately after dusk can be productive and so it proved on this night. Six traps were set up around the site by David, Martin and myself and an attempt to add another from Steve failed for a reason we couldn't work out. A very good 22 people attended the event. A steady stream of moths arrived and the list had grown to over 70 species by the end of an enjoyable evenings wandering between all the traps. One new species was found, although it had been suspected to be a site resident. It still required confirming though which Martin did. People drifted off at various times throughout and the final light was switched off at 2 am. A successful night despite the low starting and chilly finishing temperatures. The new species was ***Cnephasia communana*** and some of the others found were: ***Anania fuscalis***, **Privet Hawk-moth**, **Eyed Hawk-moth**, **Shears**, **Light Brocade**, **Lychnis**, **Shoulder-striped Wainscot** and **Alder Moth**.



Sunset at Sun Rising – 17th May, 2025



© M. Kennard

1018 (49.055) ***Cnephasia communana*** – 17th May, 2025

Visit 7 – 24th June, 2025

For a welcome change it was a pretty good journey down to Sun Rising and I arrived a bit earlier than expected. It allowed me to set up at a leisurely pace. While I was setting up the trap on the track up to the roundhouse I watched a Brown Hare mum feeding a Leveret. Anyway, with everything set up I had a while to wait to switch on. It never really did get completely dark all night. There was always some light somewhere. It was quite a mild night, especially for Sun Rising and moths came in all night. Not long after switching on Steve came for a short visit. He'd parked up at the top car park and wandered down. He saw some new moths, so that was worth his walk. A little while later, while I was showing Steve the moths in the trap up the track, David arrived for a short visit too. Not long after midnight Steve and David headed home having at least seen how busy the traps were. I went round taking photos for a while, then had lunch and started to count up the track trap. That took well over an hour. The trap by the cabin was the busier of the traps and it took a long time to count. It was already light enough to see when it was switched off. I was exhausted as there'd been an awful lot of moths, almost 1,100 got counted! I was finally on my way home just before 4 am. Amongst tonight's list of species recorded were: ***Scythropia crataegella***, ***Brachmia blandella***, ***Pseudargyrotoza conwagana***, ***Epinotia signatana***, ***Eudonia pallida***, **European Corn-borer**, ***Anania perlucidalis***, ***Gillmeria pallidactyla***, **Lackey**, **Buff Arches**, **Blue-bordered Carpet**, **Brown Scallop**, **Elephant Hawk-moth**, **Brown-tail**, **Shark**, **Lunar-spotted Pinion** and **Blackneck**.



1634 (66.003) **Lackey** (*Malacosoma neustria*) – 24th June, 2025

Visit 8 – 4th August, 2025

Because the last of the rain had gone through from storm Floris (yes, another stupid name for a storm!) and it had really warmed up I decided to stick to the plan. It was a special night, so I really wanted to do it. Sun Rising were having their first ever 24 hour "Bioblitz" and I was going to kick it all off by recording the moths. It was still quite windy, but I thought it should drop a bit once it got dark. I set off more in hope than expectation. I had a good journey and arrived right on time and a few seconds behind Pete Smith, who had been "let out" to join me! There was plenty of time as there was a blue sky but, as expected, the wind was blowing a bit. Pete and I went to search for the most sheltered spots before setting up. I even managed to get some pics of the waning sunset and the moon was already up, so I had a go at that too! Once everything was up and running the wind had almost completely dropped out, which was a big surprise, but great news. Moths were regularly heading towards the traps. It wasn't a deluge, by a steading flow. Pete and I chatted in the car park until David arrived. It is good when he comes as there gets to be an early investigation of the traps. There were moths to see at all of them and after we'd been round all four David and Pete went for a wander down to the pond. I stayed around the traps and managed to pot quite a few interesting new arrivals. I was putting them in the "public pots" so the "Bioblitzers" doing the day shift would see them in the morning. When the others returned, the pots were investigated before there was some final chat with David in the car park before he headed home. By that time I was ready to eat and Pete was needing a cuppa. Time was getting on by then and so Pete went to start counting while I finished munching. On my way to Pete's trap I searched the roundhouse and wasn't surprised to find a **Mouse Moth** resting on the wall. So, anther species added to the list and one that probably wouldn't show up at the traps. I saw both of Pete's traps and potted up the odd moth or two before coming back to start counting up my own. Once Pete had finished counting and loading his car he headed off for home. By that point I still had the cabin trap to do. That took another hour or so as new species kept arriving, but eventually the light went off about 3:30 am. We'd had an amazing night really with over 70 species. Considering how the day started that wasn't what was expected. There were quite a few moths in pots for the morning (18 species I was informed later!) and with them hidden behind the cabin and the car loaded I set off for home. No new species again tonight, but amongst the species recorded were: **Water Veneer**, **Garden Pebble**, **Rush Veneer**, **Drinker**, **Maple Pug**, **Canary-shouldered Thorn**, **Dark Sword-grass**, **Straw Underwing** and **Small Mottled Willow**.

Summary

The facts and figures for the eight visits were:
22 traps set, over 43 hours worth of recording, an average overnight temperature of 8.5°C, 3,240 individuals recorded representing 308 species with 19 newly recorded at Sun Rising and the species list now stands at 619.

Acknowledgements

I would like to thank Emma and David for their always warm welcome, endless enthusiasm and encouragement to record the moths at Sun Rising. Steve Luckett for his company for periods on some of the nights. I would also especially like to give a huge thank you to Martin Kennard, Steve Chappell, David Brown and Pete Smith, for their commitment, dedication and contributing greatly on some of the recording nights over the two years.

Appendix I – Recording Details

Visit	Date	Traps	Temp	Time	Species	Recorders
1	7th May, 2024	3	5.9˚C	5h 30m	24	A. Prior/S. Chappell
2	29th July, 2024	2	12.5˚C	6h 00m	130	A. Prior
3	3rd September, 2024	3	8.7˚C	5h 15m	54	A. Prior/M. Kennard
4	1st April, 2025	2	4.1˚C	4h 00m	7	A. Prior
5	29th April, 2025	4	8.5˚C	5h 15m	50	A. Prior/M. Kennard
6	17th May, 2025	2	4.8˚C	5h 45m	75	A. Prior/M. Kennard/D. Brown
7	24th June, 2025	2	13.1˚C	5h 15m	129	A. Prior
8	4th August, 2025	4	10.3˚C	6h 15m	74	A. Prior/P. Smith
	TOTALS	22	8.5˚C Avg.	43h 30m	308	

Appendix II – The Complete List For 2024/5

B & F	New	Species Name	May	Jul	Aug	Apr	Apr	May	Jun	Aug	TOTAL	Comment
17	**3.002**	Common Swift						3	1		**4**	
40	**4.071**	*Bohemannia pulverosella*			*1						**–**	*Mine
67	**4.042**	*Stigmella plagicolella*			*2						**–**	*Mines
78	**4.053**	*Stigmella incognitella*			*2						**–**	*Mines
79	**4.054**	*Stigmella perpygmaeella*			*1						**–**	*Mine
92	**4.015**	*Stigmella anomalella*			*2						**–**	*Mines
141	**7.012**	*Nematopogon schwarziellus*						1			**1**	1m Gen. Det. MK
262	**21.002**	*Lyonetia prunifoliella*			*5						**–**	*Mines
263	**21.001**	Apple Leaf Miner		1	*10						**1**	*Mines
284	**15.006**	*Caloptilia rufipennella*			*5						**–**	*Mines
303	**15.028**	*Parornix anglicella*						1			**1**	1m Gen. Det. AP
304	**15.029**	*Parornix devoniella*			*1						**–**	*Mine
309	**15.033**	*Parornix torquillella*			*2						**–**	*Mines
310	**15.022**	*Callisto denticulella*			*2						**–**	*Mines
320	**15.039**	*Phyllonorycter quercifoliella*			*1						**–**	*Mine
326	**15.046**	*Phyllonorycter blancardella*			*2						**–**	*Mines
329	**15.049**	*Phyllonorycter spinicolella*			*5						**–**	*Mines
332	**15.052**	*Phyllonorycter corylifoliella*			*1						**–**	*Mine
342	**15.064**	*Phyllonorycter coryli*			*3						**–**	*Mines
353	**15.075**	*Phyllonorycter ulmifoliella*			*1						**–**	*Mine
424	**16.001**	*Yponomeuta evonymella*		5			*20		218	1	**224**	*Larvae
425	**16.002**	*Yponomeuta padella*					*15			1	**1**	*Larvae
426	**16.003**	*Yponomeuta malinellus*		91	2				93	16	**202**	
427	**16.004**	*Yponomeuta cagnagella*		2							**2**	
428	**16.005**	*Yponomeuta rorrella*		240							**240**	
436	**16.014**	*Pseudoswammerdamia combinella*	2								**2**	
440	**16.019**	*Paraswammerdamia albicapitella*							3		**3**	
448a	**22.003**	*Prays ruficeps*						1			**1**	
450	**25.001**	*Scythropia crataegella*		1					6		**7**	
455	**17.005**	*Ypsolopha scabrella*		1					1	4	**6**	
464	**18.001**	Diamond-back Moth		1				1			**2**	
491	**37.006**	*Coleophora gryphipennella*						*1			**–**	*Mine
493	**37.015**	*Coleophora serratella*			*1						**–**	*Mine
516	**37.033**	*Coleophora trifolii*		1							**1**	
517	**37.035**	*Coleophora alcyonipennella*		1				1			**2**	
533	**37.049**	*Coleophora anatipennella*							3		**3**	
556	**37.095**	*Coleophora trochilella*			1						**1**	1m Gen. Det. AP

B & F	New	Species Name	May	Jul	Aug	Apr	Apr	May	Jun	Aug	TOTAL	Comment
563	**37.102**	*Coleophora argentula*			1						**1**	1f Gen. Det. AP
607	**38.037**	*Elachista canapennella*	1								**1**	
642	**28.014**	*Crassa unitella*		3						1	**4**	
648	**28.009**	White-shouldered House-moth					1				**1**	
649	**28.019**	*Esperia sulphurella*					1	1			**2**	
658	**31.001**	*Carcina quercana*		3					2		**5**	
782	**35.046**	*Bryotropha senectella*		1							**1**	
787	**35.040**	*Bryotropha terrella*								1	**1**	
814	**35.118**	Beet Moth			1						**1**	1m Gen. Det. AP
866	**35.028**	*Brachmia blandella*		1					1		**2**	
868	**35.031**	*Helcystogramma rufescens*		1							**1**	
873	**41.002**	*Blastobasis adustella*		1						3	**4**	
874	**41.003**	*Blastobasis lacticolella*		3					3		**6**	
886	**40.002**	*Mompha ochraceella*							2		**2**	
936	**49.097**	*Cochylimorpha straminea*		13	1			1		3	**18**	
937	**49.109**	*Agapeta hamana*		3					3		**6**	
938	**49.110**	*Agapeta zoegana*		22					13	3	**38**	
964a	**49.138**	*Neocochylis molliculana*			1				1	2	**4**	
969	**49.024**	Chequered Fruit-tree Tortrix								1	**1**	
970	**49.025**	Barred Fruit-tree Tortrix							4		**4**	
972	**49.026**	Dark Fruit-tree Tortrix		5					4		**9**	
977	**49.013**	Large Fruit-tree Tortrix							2		**2**	
980	**49.015**	Variegated Golden Tortrix							2		**2**	
989	**49.031**	Timothy Tortrix						1	1		**2**	
994	**49.038**	*Clepsis consimilana*							3		**3**	
998	**49.039**	Light Brown Apple Moth					1	1		1	**3**	
1010	**49.004**	Red-barred Tortrix		1					2		**3**	
1011	**49.091**	*Pseudargyrotoza conwagana*		1					2		**3**	
1016	**49.057**	*Cnephasia longana*		1							**1**	
1018	**49.000**	*Cnephasia communana*						1			**1**	1f Gen. Det. MK
1020x	**49.050x**	*Cnephasia sp.*		3					12		**15**	
1032	**49.060**	*Aleimma loeflingiana*							4		**4**	
1033	**49.059**	Green Oak Tortrix							1		**1**	
1036	**49.062**	*Acleris forsskaleana*		8					2		**10**	
1047	**49.073**	*Acleris schalleriana*			*5						**–**	*Mines
1063	**49.161**	*Celypha striana*		1	2				7		**10**	
1076	**49.166**	*Celypha lacunana*					2	1	12	6	**21**	
1082	**49.157**	*Hedya pruniana*						4	3		**7**	
1083	**49.156**	*Hedya nubiferana*							11		**11**	
1086	**49.155**	*Hedya salicella*							7		**7**	
1097	**49.186**	*Endothenia gentianaeana*		6							**6**	
1099	**49.188**	*Endothenia marginana*		4					2		**6**	
1108	**49.183**	*Lobesia abscisana*		4							**4**	
1111	**49.194**	*Bactra lancealana*			1						**1**	
1115	**49.215**	*Ancylis achatana*							7		**7**	
1136	**49.240**	*Epinotia immundana*					1			1	**2**	
1144	**49.237**	*Epinotia signatana*							1		**1**	
1159	**49.223**	*Rhopobota naevana*							3	1	**4**	
1169	**49.279**	*Gypsonoma dealbana*		1							**1**	
1169	**49.279**	*Gypsonoma dealbana*							2		**2**	
1175	**49.294**	Bramble Shoot Moth							6		**6**	
1176	**49.298**	*Notocelia trimaculana*						1	3		**4**	
1177	**49.297**	*Notocelia rosaecolana*							1		**1**	
1178	**49.295**	*Notocelia roborana*		1							**1**	
1200	**49.266**	*Eucosma hohenwartiana*							57		**57**	

B & F	New	Species Name	May	Jul	Aug	Apr	Apr	May	Jun	Aug	TOTAL	Comment
1201	**49.265**	*Eucosma cana*		1					8		**9**	
1202	**49.264**	*Eucosma obumbratana*							6		**6**	
1205	**49.224**	*Spilonota ocellana*		3					2		**5**	
1233	**49.376**	*Pammene aurita*		1							**1**	
1236	**49.367**	*Pammene fasciana*		2							**2**	
1261	**49.338**	Codling Moth		1					1		**2**	
1279	**49.313**	*Dichrorampha acuminatana*	1		1		1	1			**4**	
1292	**63.079**	*Calamotropha paludella*		3							**3**	
1293	**63.080**	*Chrysoteuchia culmella*		4					91		**95**	
1301	**63.086**	*Crambus lathoniellus*						2			**2**	
1303	**63.092**	*Agriphila selasella*		1							**1**	
1304	**63.093**	*Agriphila straminella*		26						9	**35**	
1305	**63.089**	*Agriphila tristella*		12	1					66	**79**	
1331	**63.115**	Water Veneer		12						1	**13**	
1334	**63.064**	*Scoparia ambigualis*							2		**2**	
1336	**63.075**	*Eudonia pallida*							1		**1**	
1338	**63.067**	*Eudonia lacustrata*		2					2	2	**6**	
1344	**63.074**	*Eudonia mercurella*		2						2	**4**	
1345	**63.114**	Brown China-mark								2	**2**	
1348	**63.117**	Ringed China-mark		2							**2**	
1356	**63.057**	Garden Pebble						1		1	**2**	
1375	**63.028**	European Corn-borer		1					2		**3**	
1376	**63.025**	Small Magpie							2		**2**	
1380	**63.020**	*Anania perlucidalis*							1		**1**	
1386	**63.016**	*Anania fuscalis*						2			**2**	
1390	**63.034**	*Udea prunalis*		3					3		**6**	
1392	**63.037**	*Udea olivalis*							4		**4**	
1398	**63.052**	Rush Veneer								2	**2**	
1405	**63.038**	Mother of Pearl		10					9	1	**20**	
1424	**62.077**	*Endotricha flammealis*		1							**1**	
1437	**62.038**	*Acrobasis consociella*		1							**1**	
1439	**62.035**	*Acrobasis advenella*		2						15	**17**	
1445	**62.024**	*Rhodophaea formosa*							1		**1**	
1452	**62.029**	*Phycita roborella*		2					1		**3**	
1470	**62.048**	*Euzophera pinguis*		3					1		**4**	
1483	**62.058**	*Phycitodes binaevella*							1		**1**	
1504	**45.008**	*Gillmeria pallidactyla*							1		**1**	
1524	**45.044**	*Emmelina monodactyla*			2		1		1	3	**7**	
1632	**66.002**	PALE EGGAR			1						**1**	
1634	**66.003**	LACKEY					*40		6		**6**	*Larvae
1640	**66.010**	DRINKER							2	1	**3**	
1651	**65.007**	CHINESE CHARACTER		1	1		2		2	1	**7**	
1652	**65.008**	PEACH BLOSSOM							2		**2**	
1653	**65.009**	BUFF ARCHES		2					1		**3**	
1660	**65.015**	FROSTED GREEN					1				**1**	
1669	**70.305**	COMMON EMERALD		2					11		**13**	
1680	**70.036**	MAIDEN'S BLUSH		1				2			**3**	
1682	**70.029**	BLOOD-VEIN							1	4	**5**	
1690	**70.024**	SMALL BLOOD-VEIN							3		**3**	
1699	**70.004**	LEAST CARPET		1							**1**	
1702	**70.013**	SMALL FAN-FOOTED WAVE							1		**1**	
1708	**70.011**	SINGLE-DOTTED WAVE		2					1		**3**	
1712	**70.015**	SMALL SCALLOP		1							**1**	
1713	**70.016**	RIBAND WAVE		16					8	2	**26**	
1724	**70.051**	RED TWIN-SPOT CARPET	3	1			4	2			**10**	

B & F	New	Species Name	May	Jul	Aug	Apr	Apr	May	Jun	Aug	TOTAL	Comment
1725	**70.052**	DARK-BARRED TWIN-SPOT CARPET		1							**1**	
1726	**70.055**	LARGE TWIN-SPOT CARPET		1							**1**	
1727	**70.054**	SILVER-GROUND CARPET						2			**2**	
1732	**70.045**	SHADED BROAD-BAR		25					3	6	**34**	
1738	**70.061**	COMMON CARPET	2	7				1		2	**12**	
1742	**70.059**	YELLOW SHELL		2						2	**4**	
1746	**70.066**	SHOULDER STRIPE				1					**1**	
1747	**70.067**	STREAMER					1				**1**	
1752	**70.087**	PURPLE BAR						3	1		**4**	
1758	**70.093**	BARRED STRAW							2		**2**	
1760	**70.095**	RED-GREEN CARPET					2				**2**	
1764	**70.097**	COMMON MARBLED CARPET			2			3			**5**	
1765	**70.085**	BARRED YELLOW							2		**2**	
1766	**70.084**	BLUE-BORDERED CARPET							1		**1**	
1773	**70.086**	BROKEN-BARRED CARPET	1								**1**	
1776	**70.100**	GREEN CARPET	28		11		10	29			**78**	
1777	**70.074**	JULY HIGHFLYER		2							**2**	
1791	**70.118**	BROWN SCALLOP							2		**2**	
1792	**70.119**	DARK UMBER							1		**1**	
1799	**70.106**	WINTER MOTH					*1				**–**	*Larva
1803	**70.133**	SMALL RIVULET		1							**1**	
1807	**70.137**	GRASS RIVULET						1			**1**	
1812	**70.148**	MAPLE PUG		2						1	**3**	1m Gen. Det. AP
1819	**70.184**	MOTTLED PUG					1	3			**4**	
1825	**70.173**	LIME-SPECK PUG		1						1	**2**	
1834	**70.183**	COMMON PUG					1	2			**3**	
1835	**70.160**	WHITE-SPOTTED PUG		2							**2**	
1837	**70.190**	GREY PUG	1								**1**	
1838	**70.187**	TAWNY SPECKLED PUG		1							**1**	
1842	**70.166**	PLAIN PUG		1							**1**	
1851	**70.161**	GOLDEN-ROD PUG					1				**1**	
1852	**70.156**	BRINDLED PUG					3				**3**	
1853	**70.157**	OAK-TREE PUG	1				3				**4**	
1860	**70.144**	GREEN PUG							15		**15**	
1883	**70.200**	YELLOW-BARRED BRINDLE					1			4	**5**	
1884	**70.205**	MAGPIE MOTH		9						5	**14**	
1887	**70.207**	CLOUDED BORDER							1		**1**	
1904	**70.224**	SCORCHED WING						2			**2**	
1906	**70.226**	BRIMSTONE MOTH	4	24	8		14	3	9	23	**85**	
1913	**70.234**	CANARY-SHOULDERED THORN								1	**1**	
1914	**70.235**	DUSKY THORN		2	2					1	**5**	
1915	**70.236**	SEPTEMBER THORN		1							**1**	
1917	**70.237**	EARLY THORN		1		1			2		**4**	
1921	**70.241**	SCALLOPED OAK		5					5	1	**11**	
1922	**70.243**	SWALLOW-TAILED MOTH		1					12		**13**	
1927	**70.248**	BRINDLED BEAUTY					1				**1**	
1931	**70.252**	PEPPERED MOTH	1								**1**	
1935	**70.256**	MOTTLED UMBER					*2				**–**	*Larvae
1936	**70.257**	WAVED UMBER					5				**5**	
1937	**70.258**	WILLOW BEAUTY		4	4			2	17	4	**31**	
1941	**70.265**	MOTTLED BEAUTY							2	1	**3**	
1955	**70.277**	COMMON WHITE WAVE						3			**3**	
1956	**70.278**	COMMON WAVE							1		**1**	
1958	**70.280**	CLOUDED SILVER		4				1	8		**13**	
1961	**70.283**	LIGHT EMERALD			6			2	2		**10**	

B & F	New	Species Name	May	Jul	Aug	Apr	Apr	May	Jun	Aug	TOTAL	Comment
1976	**69.006**	PRIVET HAWK-MOTH						1	1		**2**	
1978	**69.007**	PINE HAWK-MOTH		1							**1**	
1979	**69.001**	LIME HAWK-MOTH	1								**1**	
1980	**69.002**	EYED HAWK-MOTH						2			**2**	
1981	**69.003**	POPLAR HAWK-MOTH	3	5			1	1	3	10	**23**	
1991	**69.016**	ELEPHANT HAWK-MOTH		7					5		**12**	
1997	**71.005**	SALLOW KITTEN		3			1				**4**	
2000	**71.012**	IRON PROMINENT								1	**1**	
2003	**71.013**	PEBBLE PROMINENT		2			6	1	1		**10**	
2006	**71.018**	LESSER SWALLOW PROMINENT					6	1		1	**8**	
2007	**71.017**	SWALLOW PROMINENT		2			1				**3**	
2008	**71.021**	COXCOMB PROMINENT		1							**1**	
2011	**71.020**	PALE PROMINENT	1	1			3			2	**7**	
2019	**71.027**	CHOCOLATE-TIP	1				1				**2**	
2026	**72.017**	VAPOURER							1		**1**	
2028	**72.015**	PALE TUSSOCK					3	9			**12**	
2029	**72.012**	BROWN-TAIL		1					4		**5**	
2030	**72.013**	YELLOW-TAIL		5					8		**13**	
2038	**72.036**	MUSLIN FOOTMAN		1							**1**	
2044	**72.044**	DINGY FOOTMAN		19						4	**23**	
2047	**72.046**	SCARCE FOOTMAN		11					1	1	**13**	
2049	**72.043**	BUFF FOOTMAN		35							**35**	
2050	**72.045**	COMMON FOOTMAN							10		**10**	
2060	**72.020**	WHITE ERMINE					2	3			**5**	
2061	**72.019**	BUFF ERMINE						3			**3**	
2063	**72.022**	MUSLIN MOTH	1								**1**	
2064	**72.024**	RUBY TIGER		23					2		**25**	
2067	**72.030**	JERSEY TIGER			1						**1**	
2068	**72.029**	SCARLET TIGER		1							**1**	
2069	**72.031**	CINNABAR MOTH						1			**1**	
2076	**74.002**	KENT BLACK ARCHES		1							**1**	
2077	**74.003**	SHORT-CLOAKED MOTH							14		**14**	
2078	**74.004**	LEAST BLACK ARCHES	1				3	1			**5**	
2087	**73.319**	TURNIP MOTH						2		4	**6**	
2089	**73.317**	HEART & DART		2				6	13	3	**24**	
2091	**73.327**	DARK SWORD-GRASS								2	**2**	
2092	**73.325**	SHUTTLE-SHAPED DART					1	4		5	**10**	
2098	**73.328**	FLAME							3		**3**	
2102	**73.329**	FLAME SHOULDER	5	14	5		11	13	3	9	**60**	
2107	**73.342**	LARGE YELLOW UNDERWING		4	31				4	4	**43**	
2109	**73.345**	LESSER YELLOW UNDERWING		4							**4**	
2110	**73.343**	BROAD-BORDERED YELLOW UNDERWING		3					1	2	**6**	
2111	**73.348**	LESSER BROAD-BORDERED YELLOW UNDERWING		6	1					11	**18**	
2112	**73.346**	LEAST YELLOW UNDERWING								1	**1**	
2122	**73.332**	PURPLE CLAY		1							**1**	
2123	**73.334**	SMALL SQUARE-SPOT			11			4			**15**	
2126	**73.359**	SETACEOUS HEBREW CHARACTER			59			27	2	19	**107**	
2128	**73.361**	DOUBLE SQUARE-SPOT							5		**5**	
2133	**73.358**	SIX-STRIPED RUSTIC			1						**1**	
2134	**73.357**	SQUARE-SPOT RUSTIC			69					1	**70**	
2139	**73.336**	RED CHESTNUT				1					**1**	
2147	**73.273**	SHEARS						1			**1**	
2157	**73.263**	LIGHT BROCADE						2			**2**	
2160	**73.267**	BRIGHT-LINE BROWN-EYE		1			3	3		1	**8**	
2173	**73.281**	LYCHNIS						1			**1**	

B & F	New	Species Name	May	Jul	Aug	Apr	Apr	May	Jun	Aug	TOTAL	Comment
2178	**73.253**	FEATHERED GOTHIC			3						**3**	
2181	**73.251**	SILVER CLOUD	3				1	1			**5**	
2182	**73.245**	SMALL QUAKER				2					**2**	
2186	**73.247**	POWDERED QUAKER	1								**1**	
2187	**73.244**	COMMON QUAKER				8	2				**10**	
2188	**73.242**	CLOUDED DRAB	1			5					**6**	
2189	**73.250**	TWIN-SPOTTED QUAKER				7					**7**	
2190	**73.249**	HEBREW CHARACTER	7				12				**19**	
2192	**73.290**	BROWN-LINE BRIGHT-EYE		5					7		**12**	
2193	**73.298**	CLAY		2					5		**7**	
2194	**73.297**	WHITE-POINT			3			6	4	15	**28**	
2198	**73.293**	SMOKY WAINSCOT		14				51	91		**156**	
2199	**73.291**	COMMON WAINSCOT		1	20		*1		2	36	**59**	*Larva
2205	**73.301**	SHOULDER-STRIPED WAINSCOT						3			**3**	
2216	**73.052**	SHARK							1		**1**	
2269	**73.219**	CENTRE-BARRED SALLOW			37						**37**	
2278	**73.046**	POPLAR GREY						1	1		**2**	
2279	**73.079**	SYCAMORE		1							**1**	
2280	**73.040**	MILLER		1							**1**	
2281	**73.036**	ALDER MOTH						1			**1**	
2283	**73.037**	DARK DAGGER					1	1			**2**	1m Gen. Det. MK
2284x	**73.038x**	Dark/Grey Dagger							3		**3**	
2289	**73.045**	KNOT GRASS		1			2	1			**4**	
2291	**73.047**	CORONET		1			1	2	9		**13**	
2297	**73.062**	COPPER UNDERWING			2					1	**3**	
2299	**73.064**	MOUSE MOTH		1						1	**2**	
2303	**73.109**	STRAW UNDERWING		2						15	**17**	
2306	**73.113**	ANGLE SHADES	1					1			**2**	
2314	**73.222**	DINGY SHEARS							1		**1**	
2318	**73.216**	DUN-BAR		3					3		**6**	
2319	**73.217**	LUNAR-SPOTTED PINION							1		**1**	
2321	**73.162**	DARK ARCHES		22			*1	1	26	5	**54**	*Larva
2331	**73.159**	SMALL CLOUDED BRINDLE			*1						**–**	*Larva
2333	**73.157**	LARGE NUTMEG						13			**13**	
2334	**73.158**	RUSTIC SHOULDER-KNOT	2				1	16			**19**	
2337x	**73.173x**	Marbled Minor agg.						2	17		**19**	
2337	**73.173**	MARBLED MINOR						1			**1**	1m Gen. Det. MK
2339	**73.174**	TAWNY MARBLED MINOR						1			**1**	1m Gen. Det. MK
2340	**73.176**	MIDDLE-BARRED MINOR						1			**1**	
2341	**73.172**	CLOAKED MINOR		3							**3**	
2343x	**73.169x**	Common Rustic agg.		7	2					8	**17**	
2352	**73.120**	DUSKY SALLOW		27							**27**	
2353	**73.131**	FLOUNCED RUSTIC			7					5	**12**	
2380	**73.101**	TREBLE LINES						32			**32**	
2381	**73.096**	UNCERTAIN		7					27		**34**	
2382	**73.097**	RUSTIC		2					6	1	**9**	
2384	**73.099**	VINE'S RUSTIC			4			2		3	**9**	
2385	**73.087**	SMALL MOTTLED WILLOW								1	**1**	
2425	**73.032**	NUT-TREE TUSSOCK					1				**1**	
2434	**73.012**	BURNISHED BRASS							1		**1**	
2450	**73.001**	SPECTACLE						3		1	**4**	
2462	**72.084**	MOTHER SHIPTON								*1	**–**	
2466	**72.063**	BLACKNECK							1		**1**	
2473	**72.069**	BEAUTIFUL HOOK-TIP							17		**17**	
2474	**72.002**	STRAW DOT		7	2				7	13	**29**	

B & F	New	Species Name	May	Jul	Aug	Apr	Apr	May	Jun	Aug	TOTAL	Comment
2477	**72.003**	SNOUT		1	7				1		**9**	
2489	**72.053**	FAN-FOOT							1		**1**	
308			73	912	314	25	121	312	1088	395	**3240**	

Appendix III – National Status & Foodplants

B & F	New	Species Name	National Status	Foodplants
17	**3.002**	Common Swift	Common	Grasses, Herbaceous plants
40	**4.071**	*Bohemannia pulverosella*	Common	Apple
67	**4.042**	*Stigmella plagicolella*	Common	Blackthorn, Plum, Cherry
78	**4.053**	*Stigmella incognitella*	Local	Apple
79	**4.054**	*Stigmella perpygmaeella*	Common	Hawthorn
92	**4.015**	*Stigmella anomalella*	Common	Wild & Cultivated Rose
141	**7.012**	*Nematopogon schwarziellus*	Common	Dead Leaves
262	**21.002**	*Lyonetia prunifoliella*	pRDB1	Rosaceous Trees
263	**21.001**	Apple Leaf Miner	Common	Rosaceous Trees & Birch
284	**15.006**	*Caloptilia rufipennella*	Common	Sycamore, Field Maple
303	**15.028**	*Parornix anglicella*	Common	Hawthorn
304	**15.029**	*Parornix devoniella*	Common	Hazel
309	**15.033**	*Parornix torquillella*	Common	Blackthorn
310	**15.022**	*Callisto denticulella*	Common	Apple, Crab Apple, Pear, Cherry, Rowan, Hawthorn
320	**15.039**	*Phyllonorycter quercifoliella*	Common	Oak
326	**15.046**	*Phyllonorycter blancardella*	Common	Apple
329	**15.049**	*Phyllonorycter spinicolella*	Common	Blackthorn, Wild Plum
332	**15.052**	*Phyllonorycter corylifoliella*	Common	Rosaceous Trees & Shrubs
342	**15.064**	*Phyllonorycter coryli*	Common	Hazel
353	**15.075**	*Phyllonorycter ulmifoliella*	Common	Birch
424	**16.001**	*Yponomeuta evonymella*	Common	Bird-cherry
425	**16.002**	*Yponomeuta padella*	Common	Hawthorn, Blackthorn, Cherry
426	**16.003**	*Yponomeuta malinellus*	Local	Apple
427	**16.004**	*Yponomeuta cagnagella*	Common	Spindle
428	**16.005**	*Yponomeuta rorrella*	Local	White & Grey Willow
436	**16.014**	*Pseudoswammerdamia combinella*	Common	Blackthorn
440	**16.019**	*Paraswammerdamia albicapitella*	Common	Blackthorn
448a	**22.003**	*Prays ruficeps*	Unknown	Ash
450	**25.001**	*Scythropia crataegella*	Common	Hawthorn, Blackthorn, Cotoneaster
455	**17.005**	*Ypsolopha scabrella*	Common	Apple, Blackthorn, Cotoneaster
464	**18.001**	Diamond-back Moth	Migrant	Brassicaceae
491	**37.006**	*Coleophora gryphipennella*	Common	Rose
493	**37.015**	*Coleophora serratella*	Common	Deciduous Trees
516	**37.033**	*Coleophora trifolii*	Local	Melilot
517	**37.035**	*Coleophora alcyonipennella*	Local	White Clover
533	**37.049**	*Coleophora anatipennella*	Local	Rosaceous Trees
556	**37.095**	*Coleophora trochilella*	Nb	Asteraceae
563	**37.102**	*Coleophora argentula*	Common	Yarrow, Sneezewort
607	**38.037**	*Elachista canapennella*	Common	Grasses
642	**28.014**	*Crassa unitella*	Common	Dead Wood
648	**28.009**	White-shouldered House-moth	Common	Dead Organic Matter
649	**28.019**	*Esperia sulphurella*	Common	Decaying Wood
658	**31.001**	*Carcina quercana*	Common	Deciduous Trees & Bushes
782	**35.046**	*Bryotropha senectella*	Local	Mosses
787	**35.040**	*Bryotropha terrella*	Common	Mosses, Grasses
814	**35.118**	Beet Moth	Nb	Beet esp. Sea Beet

B & F	New	Species Name	National Status	Foodplants
866	**35.028**	*Brachmia blandella*	Common	Gorse
868	**35.031**	*Helcystogramma rufescens*	Common	Wood Small-reed, False Brome
873	**41.002**	*Blastobasis adustella*	Common	Withered plant material
874	**41.003**	*Blastobasis lacticolella*	Common	Withered plant material
886	**40.002**	*Mompha ochraceella*	Common	Great Willowherb
936	**49.097**	*Cochylimorpha straminea*	Common	Common Knapweed
937	**49.109**	*Agapeta hamana*	Common	Thistles
938	**49.110**	*Agapeta zoegana*	Common	Common Knapweed, Scabious
964a	**49.138**	*Neocochylis molliculana*	Local	Bristly Oxtongue
969	**49.024**	Chequered Fruit-tree Tortrix	Common	Deciduous Trees & Bushes
970	**49.025**	Barred Fruit-tree Tortrix	Common	Deciduous Trees & Bushes
972	**49.026**	Dark Fruit-tree Tortrix	Common	Deciduous Trees & Bushes
977	**49.013**	Large Fruit-tree Tortrix	Common	Deciduous Trees & Bushes
980	**49.015**	Variegated Golden Tortrix	Common	Polyphagous
989	**49.031**	Timothy Tortrix	Common	Grasses, Herbaceous plants
994	**49.038**	*Clepsis consimilana*	Common	Polyphagous
998	**49.039**	Light Brown Apple Moth	Common	Polyphagous
1010	**49.004**	Red-barred Tortrix	Common	Trees & Shrubs, Herbacous plants
1011	**49.091**	*Pseudargyrotoza conwagana*	Common	Ash, Wild Privet
1016	**49.057**	*Cnephasia longana*	Common	Low-growing Herbaceous Plants
1018	**49.000**	*Cnephasia communana*	Local	Herbaceous plants
1020x	**49.050x**	*Cnephasia sp.*	–	–
1032	**49.060**	*Aleimma loeflingiana*	Common	Oak, Hornbeam, Field Maple
1033	**49.059**	Green Oak Tortrix	Common	Woodland trees
1036	**49.062**	*Acleris forsskaleana*	Common	Field Maple, Sycamore
1047	**49.073**	*Acleris schalleriana*	Local	Wayfaring-tree, Guelder-rose
1063	**49.161**	*Celypha striana*	Common	Dandelion
1076	**49.166**	*Celypha lacunana*	Common	Herbaceous plants
1082	**49.157**	*Hedya pruniana*	Common	Cherry, Blackthorn, Plum
1083	**49.156**	*Hedya nubiferana*	Common	Rosaceous Trees & Shrubs
1086	**49.155**	*Hedya salicella*	Common	Willow, Poplar
1097	**49.186**	*Endothenia gentianaeana*	Common	Teasel
1099	**49.188**	*Endothenia marginana*	Common	Teasel, Betony, hemp-nettle
1108	**49.183**	*Lobesia abscisana*	Common	Creeping Thistle
1111	**49.194**	*Bactra lancealana*	Common	Juncus Rushes, Club-rush, Galingale
1115	**49.215**	*Ancylis achatana*	Common	Blackthorn, Hawthorn etc.
1136	**49.240**	*Epinotia immundana*	Common	Birch, Alder
1144	**49.237**	*Epinotia signatana*	Local	Cherry, Blackthorn, Apple
1159	**49.223**	*Rhopobota naevana*	Common	Polyphagous
1169	**49.279**	*Gypsonoma dealbana*	Common	Hawthorn, Oak, Poplar, Willow etc
1169	**49.279**	*Gypsonoma dealbana*	Common	Hawthorn, Oak, Poplar, Willow etc
1175	**49.294**	Bramble Shoot Moth	Common	Bramble
1176	**49.298**	*Notocelia trimaculana*	Common	Hawthorn
1177	**49.297**	*Notocelia rosaecolana*	Common	Rose
1178	**49.295**	*Notocelia roborana*	Common	Rose
1200	**49.266**	*Eucosma hohenwartiana*	Common	Common Knapweed. Saw-wort
1201	**49.265**	*Eucosma cana*	Common	Common Knapweed. Thistle
1202	**49.264**	*Eucosma obumbratana*	Local	Perennial Sow-Thistle
1205	**49.224**	*Spilonota ocellana*	Common	Deciduous Trees & Shrubs
1233	**49.376**	*Pammene aurita*	Local	Sycamore
1236	**49.367**	*Pammene fasciana*	Common	Oak, Sweet Chestnut
1261	**49.338**	Codling Moth	Common	Apple, Sweet Chestnut-fruits & nuts
1279	**49.313**	*Dichrorampha acuminatana*	Local	Yarrow, Tansy
1292	**63.079**	*Calamotropha paludella*	Local	Bulrush
1293	**63.080**	*Chrysoteuchia culmella*	Common	Grasses

B & F	New	Species Name	National Status	Foodplants
1301	**63.086**	*Crambus lathoniellus*	Common	Grasses esp. Wavy hair-grass
1303	**63.092**	*Agriphila selasella*	Local	Grasses
1304	**63.093**	*Agriphila straminella*	Common	Grasses
1305	**63.089**	*Agriphila tristella*	Common	Grasses esp. hair-grass, meadow-grass
1331	**63.115**	Water Veneer	Common	submerged pond & freshwater plants
1334	**63.064**	*Scoparia ambigualis*	Common	Mosses & Lichens
1336	**63.075**	*Eudonia pallida*	Local	Mosses & Lichens
1338	**63.067**	*Eudonia lacustrata*	Common	Mosses
1344	**63.074**	*Eudonia mercurella*	Common	Mosses
1345	**63.114**	Brown China-mark	Common	Pondweed
1348	**63.117**	Ringed China-mark	Common	submerged pond & freshwater plants
1356	**63.057**	Garden Pebble	Common	Cabbage, Radish
1375	**63.028**	European Corn-borer	Local	Mugwort, Hop, Hemp,Mallow
1376	**63.025**	Small Magpie	Common	Common Nettle
1380	**63.020**	*Anania perlucidalis*	Common	Thistles
1386	**63.016**	*Anania fuscalis*	Local	Wild Marjoram, Thyme etc.
1390	**63.034**	*Udea prunalis*	Common	Herbaceous plants
1392	**63.037**	*Udea olivalis*	Common	Herbaceous plants
1398	**63.052**	Rush Veneer	Migrant	Clover, Knotgrass & other Grasses
1405	**63.038**	Mother of Pearl	Common	Common Nettle
1424	**62.077**	*Endotricha flammealis*	Common	Herbaceous Plants & Bushes
1437	**62.038**	*Acrobasis consociella*	Local	Oak
1439	**62.035**	*Acrobasis advenella*	Common	Hawthorn, Rowan
1445	**62.024**	*Rhodophaea formosa*	Local	Elm
1452	**62.029**	*Phycita roborella*	Common	Oak, Apple, Pear
1470	**62.048**	*Euzophera pinguis*	Common	Ash
1483	**62.058**	*Phycitodes binaevella*	Common	Thistle
1504	**45.008**	*Gillmeria pallidactyla*	Common	Yarrow, Tansy?
1524	**45.044**	*Emmelina monodactyla*	Common	Bindweed
1632	**66.002**	PALE EGGAR	Vulnerable	Oak, Birch, Sallow, Blackthorn, Hawthorn, Hazel, Crab Apple
1634	**66.003**	LACKEY	Vulnerable	Deciduous Trees & Shrubs
1640	**66.010**	DRINKER	Common	Grasses
1651	**65.007**	CHINESE CHARACTER	Common	Hawthorn, Blackthorn
1652	**65.008**	PEACH BLOSSOM	Common	Brambles
1653	**65.009**	BUFF ARCHES	Common	Brambles
1660	**65.015**	FROSTED GREEN	Near Threatened	Oak
1669	**70.305**	COMMON EMERALD	Common	Deciduous Trees & Shrubs
1680	**70.036**	MAIDEN'S BLUSH	Local	Oak
1682	**70.029**	BLOOD-VEIN	Common	Dock, Sorrel, Knotgrass
1690	**70.024**	SMALL BLOOD-VEIN	Common	Privet, Honeysuckle
1699	**70.004**	LEAST CARPET	Local	Ivy, Traveller's Joy, Golden Alyssum etc.
1702	**70.013**	SMALL FAN-FOOTED WAVE	Common	Dandelion, Knotgrass, Plantain, Bramble
1708	**70.011**	SINGLE-DOTTED WAVE	Common	Cow Parsley, Burnet-saxifrage, Hedge Bedstraw
1712	**70.015**	SMALL SCALLOP	Local	Bedstraws
1713	**70.016**	RIBAND WAVE	Common	Bedstraws, Dandelion. Dock
1724	**70.051**	RED TWIN-SPOT CARPET	Common	Low Growing Plants
1725	**70.052**	DARK-BARRED TWIN-SPOT CARPET	Near Threatened	Low Growing Plants
1726	**70.055**	LARGE TWIN-SPOT CARPET	Local	Herbaceous Plants
1727	**70.054**	SILVER-GROUND CARPET	Common	Low Growing Plants
1732	**70.045**	SHADED BROAD-BAR	Common	Vetches, Clovers
1738	**70.061**	COMMON CARPET	Common	Bedstraws
1742	**70.059**	YELLOW SHELL	Common	Low Growing Plants
1746	**70.066**	SHOULDER STRIPE	Common	Rosaceous plants
1747	**70.067**	STREAMER	Common	Rosaceous plants
1752	**70.087**	PURPLE BAR	Common	Bedstraws

B & F	New	Species Name	National Status	Foodplants
1758	**70.093**	BARRED STRAW	Common	Bedstraws
1760	**70.095**	RED-GREEN CARPET	Common	Deciduous Trees
1764	**70.097**	COMMON MARBLED CARPET	Common	Deciduous Trees & Shrubs
1765	**70.085**	BARRED YELLOW	Common	Rosaceous plants
1766	**70.084**	BLUE-BORDERED CARPET	Local	Alder, Blackthorn, Birch, Hawthorn, Plum, Apple
1773	**70.086**	BROKEN-BARRED CARPET	Common	Deciduous Trees
1776	**70.100**	GREEN CARPET	Common	Bedstraws
1777	**70.074**	JULY HIGHFLYER	Common	Willow, Sallow, Aspen, Bilberry
1791	**70.118**	BROWN SCALLOP	Local	Buckthorn
1792	**70.119**	DARK UMBER	Local	Buckthorn, Alder Buckthorn
1799	**70.106**	WINTER MOTH	Common	Deciduous Trees & Shrubs, Conifers
1803	**70.133**	SMALL RIVULET	Common	Hemp-nettle
1807	**70.137**	GRASS RIVULET	Local	Yellow-rattle
1812	**70.148**	MAPLE PUG	Endangered	Field Maple, Sycamore?
1819	**70.184**	MOTTLED PUG	Common	Oak, Hawthorn, Blackthorn
1825	**70.173**	LIME-SPECK PUG	Common	Low Growing Plants
1834	**70.183**	COMMON PUG	Common	Deciduous Trees & Shrubs, Herbaceous plants
1835	**70.160**	WHITE-SPOTTED PUG	Near Threatened	Elder, Herbaceous plants
1837	**70.190**	GREY PUG	Near Threatened	Herbaceous plants, Broadleaved Shrubs
1838	**70.187**	TAWNY SPECKLED PUG	Near Threatened	Yarrow, Sneezewort
1842	**70.166**	PLAIN PUG	Local	Goosefoot & Oraches
1851	**70.161**	GOLDEN-ROD PUG	Local	Common Ragwort, Goldenrod
1852	**70.156**	BRINDLED PUG	Common	Oak, Hawthorn
1853	**70.157**	OAK-TREE PUG	Common	Oak, Hawthorn
1860	**70.144**	GREEN PUG	Common	Hawthorn, Blackthorn, Crab-apple
1883	**70.200**	YELLOW-BARRED BRINDLE	Local	Holly, Ivy, Dogwood, Guelder Rose, Hawthorn
1884	**70.205**	MAGPIE MOTH	Common	Blackthorn, Hawthorn, Privet, Hazel +
1887	**70.207**	CLOUDED BORDER	Common	Aspen, Poplar, Sallow, Hazel
1904	**70.224**	SCORCHED WING	Local	Oak, Beech, Birch, Sallow
1906	**70.226**	BRIMSTONE MOTH	Common	Deciduous Trees
1913	**70.234**	CANARY-SHOULDERED THORN	Common	Deciduous Trees
1914	**70.235**	DUSKY THORN	Near Threatened	Ash
1915	**70.236**	SEPTEMBER THORN	Near Threatened	Oak, Beech, Birch, Lime
1917	**70.237**	EARLY THORN	Common	Deciduous Trees
1921	**70.241**	SCALLOPED OAK	Common	Deciduous Trees & Shrubs
1922	**70.243**	SWALLOW-TAILED MOTH	Common	Honeysuckle, Ivy, Hawthorn & other trees/shrubs
1927	**70.248**	BRINDLED BEAUTY	Common	Deciduous Trees & Shrubs
1931	**70.252**	PEPPERED MOTH	Common	Deciduous Trees & Shrubs, Herbaceous plants
1935	**70.256**	MOTTLED UMBER	Vulnerable	Deciduous Trees & Shrubs, Herbaceous plants
1936	**70.257**	WAVED UMBER	Common	Privet, Lilac
1937	**70.258**	WILLOW BEAUTY	Common	Deciduous Trees & Shrubs, Conifers
1941	**70.265**	MOTTLED BEAUTY	Common	Deciduous Trees & Shrubs, Conifers
1955	**70.277**	COMMON WHITE WAVE	Common	Birch, Alder, Sallow
1956	**70.278**	COMMON WAVE	Common	Willow, Sallow, Aspen, Poplar
1958	**70.280**	CLOUDED SILVER	Common	Blackthorn, Hawthorn, Plum, Cherry, Crab Apple
1961	**70.283**	LIGHT EMERALD	Common	Deciduous Trees & Shrubs
1976	**69.006**	PRIVET HAWK-MOTH	Common	Privet, Ash, Lilac
1978	**69.007**	PINE HAWK-MOTH	Local	Scot's Pine
1979	**69.001**	LIME HAWK-MOTH	Common	Birch, Alder, Lime, Elm
1980	**69.002**	EYED HAWK-MOTH	Common	Willow, Sallow, Apple
1981	**69.003**	POPLAR HAWK-MOTH	Common	Willow, Sallow, Aspen, Poplar
1991	**69.016**	ELEPHANT HAWK-MOTH	Common	Willowherbs, Himalayan Balsam, Bedstraws, Fuchsia etc
1997	**71.005**	SALLOW KITTEN	Common	Willow, Sallow, Aspen, Poplar
2000	**71.012**	IRON PROMINENT	Common	Oak, Beech, Birch, Hazel
2003	**71.013**	PEBBLE PROMINENT	Common	Willow, Sallow, Aspen, Poplar

B & F	New	Species Name	National Status	Foodplants
2006	**71.018**	LESSER SWALLOW PROMINENT	Common	Birch
2007	**71.017**	SWALLOW PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2008	**71.021**	COXCOMB PROMINENT	Common	Deciduous Trees
2011	**71.020**	PALE PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2019	**71.027**	CHOCOLATE-TIP	Local	Willow, Sallow, Aspen, Poplar
2026	**72.017**	VAPOURER	Common	Deciduous Trees & Shrubs
2028	**72.015**	PALE TUSSOCK	Common	Deciduous Trees & Shrubs
2029	**72.012**	BROWN-TAIL	Local	Deciduous Trees & Shrubs
2030	**72.013**	YELLOW-TAIL	Common	Willow, Sallow, Aspen, Poplar
2038	**72.036**	MUSLIN FOOTMAN	Local	Lichens
2044	**72.044**	DINGY FOOTMAN	Common	Lichens
2047	**72.046**	SCARCE FOOTMAN	Local	Lichens
2049	**72.043**	BUFF FOOTMAN	Local	Lichens
2050	**72.045**	COMMON FOOTMAN	Common	Lichens
2060	**72.020**	WHITE ERMINE	Common	Herbaceous Plants
2061	**72.019**	BUFF ERMINE	Common	Herbaceous Plants
2063	**72.022**	MUSLIN MOTH	Common	Herbaceous Plants
2064	**72.024**	RUBY TIGER	Common	Herbaceous Plants
2067	**72.030**	JERSEY TIGER	Nb	Herbaceous plants
2068	**72.029**	SCARLET TIGER	Local	Herbaceous plants
2069	**72.031**	CINNABAR MOTH	Common	Common Ragwort, Groundsels
2076	**74.002**	KENT BLACK ARCHES	Nb	Dewberry, Bramble, Raspberry, Wild Strawberry
2077	**74.003**	SHORT-CLOAKED MOTH	Common	Hawthorn, Blackthorn, Crab Apple, Plum
2078	**74.004**	LEAST BLACK ARCHES	Local	Deciduous Trees
2087	**73.319**	TURNIP MOTH	Common	Herbaceous plants
2089	**73.317**	HEART & DART	Common	Herbaceous plants
2091	**73.327**	DARK SWORD-GRASS	Migrant	Herbaceous Plants
2092	**73.325**	SHUTTLE-SHAPED DART	Common	Herbaceous Plants
2098	**73.328**	FLAME	Common	Herbaceous Plants
2102	**73.329**	FLAME SHOULDER	Common	Herbaceous Plants
2107	**73.342**	LARGE YELLOW UNDERWING	Common	Herbaceous Plants, Grasses
2109	**73.345**	LESSER YELLOW UNDERWING	Common	Herbaceous Plants
2110	**73.343**	BROAD-BORDERED YELLOW UNDERWING	Common	Herbaceous Plants
2111	**73.348**	LESSER BROAD-BORDERED YELLOW UNDERWING	Common	Herbaceous Plants
2112	**73.346**	LEAST YELLOW UNDERWING	Common	Herbaceous Plants
2122	**73.332**	PURPLE CLAY	Common	Herbaceous plants
2123	**73.334**	SMALL SQUARE-SPOT	Common	Herbaceous plants
2126	**73.359**	SETACEOUS HEBREW CHARACTER	Common	Herbaceous plants
2128	**73.361**	DOUBLE SQUARE-SPOT	Common	Herbaceous plants
2133	**73.358**	SIX-STRIPED RUSTIC	Common	Herbaceous plants
2134	**73.357**	SQUARE-SPOT RUSTIC	Common	Grasses
2139	**73.336**	RED CHESTNUT	Common	Herbaceous plants
2147	**73.273**	SHEARS	Common	Herbaceous plants
2157	**73.263**	LIGHT BROCADE	Local	Broom, Knotgrass, Dock, Bramble etc.
2160	**73.267**	BRIGHT-LINE BROWN-EYE	Common	Herbaceous plants
2173	**73.281**	LYCHNIS	Common	Campions, Sweet-William
2178	**73.253**	FEATHERED GOTHIC	Common	Hard-bladed Grasses e.g. Mat-grass,Sheep's-fescue
2181	**73.251**	SILVER CLOUD	Na	Unknown!
2182	**73.245**	SMALL QUAKER	Common	Oak, Sallow etc.
2186	**73.247**	POWDERED QUAKER	Common	Willow, Blackthorn, Black Poplar, Herbaceous plants
2187	**73.244**	COMMON QUAKER	Common	Deciduous Trees
2188	**73.242**	CLOUDED DRAB	Common	Deciduous Trees
2189	**73.250**	TWIN-SPOTTED QUAKER	Common	Deciduous Trees
2190	**73.249**	HEBREW CHARACTER	Common	Deciduous Trees & Shrubs
2192	**73.290**	BROWN-LINE BRIGHT-EYE	Common	Grasses

B & F	New	Species Name	National Status	Foodplants
2193	**73.298**	CLAY	Common	Grasses
2194	**73.297**	WHITE-POINT	Migrant	Grasses
2198	**73.293**	SMOKY WAINSCOT	Common	Grasses
2199	**73.291**	COMMON WAINSCOT	Common	Grasses
2205	**73.301**	SHOULDER-STRIPED WAINSCOT	Common	Grasses
2216	**73.052**	SHARK	Common	Sow-thistle, Wild Lettuce, Hawk's-beard, Hawksweed
2269	**73.219**	CENTRE-BARRED SALLOW	Common	Ash
2278	**73.046**	POPLAR GREY	Common	Willow, Sallow, Aspen
2279	**73.079**	SYCAMORE	Local	Sycamore, Field Maple, Horse Chestnut
2280	**73.040**	MILLER	Common	Birch, Alder, Aspen, Grey Willow, Oak
2281	**73.036**	ALDER MOTH	Nationally Rare	Deciduous Trees
2283	**73.037**	DARK DAGGER	Common	Deciduous Trees & Shrubs
2284x	**73.038x**	Dark/Grey Dagger	Common	Deciduous Trees & Shrubs
2289	**73.045**	KNOT GRASS	Common	Herbaceous plants
2291	**73.047**	CORONET	Local	Ash, Wild Privet
2297	**73.062**	COPPER UNDERWING	Common	Deciduous Trees & Shrubs
2299	**73.064**	MOUSE MOTH	Vulnerable	Elm, Hawthorn, Sallow, Herbaceous plants
2303	**73.109**	STRAW UNDERWING	Common	Grasses
2306	**73.113**	ANGLE SHADES	Common	Herbaceous plants
2314	**73.222**	DINGY SHEARS	Local	Willow, Sallow, Poplar
2318	**73.216**	DUN-BAR	Common	Deciduous Trees & Shrubs
2319	**73.217**	LUNAR-SPOTTED PINION	Local	Hawthorn, Blackthorn, Apple, Elm, Bullace
2321	**73.162**	DARK ARCHES	Common	Grasses
2331	**73.159**	SMALL CLOUDED BRINDLE	Common	Grasses
2333	**73.157**	LARGE NUTMEG	Near Threatened	Grasses
2334	**73.158**	RUSTIC SHOULDER-KNOT	Common	Grasses
2337x	**73.173x**	Marbled Minor agg.	Common	Grasses
2337	**73.173**	MARBLED MINOR	Common	Grasses
2339	**73.174**	TAWNY MARBLED MINOR	Common	Grasses
2340	**73.176**	MIDDLE-BARRED MINOR	Common	Grasses
2341	**73.172**	CLOAKED MINOR	Common	Grasses
2343x	**73.169x**	Common Rustic agg.	Common	Grasses
2352	**73.120**	DUSKY SALLOW	Common	Grasses
2353	**73.131**	FLOUNCED RUSTIC	Common	Grasses
2380	**73.101**	TREBLE LINES	Common	Herbaceous plants
2381	**73.096**	UNCERTAIN	Common	Herbaceous Plants
2382	**73.097**	RUSTIC	Common	Herbaceous Plants
2384	**73.099**	VINE'S RUSTIC	Local	Herbaceous Plants
2385	**73.087**	SMALL MOTTLED WILLOW	Migrant	Herbaceous Plants
2425	**73.032**	NUT-TREE TUSSOCK	Common	Broad-leaved Trees
2434	**73.012**	BURNISHED BRASS	Common	Herbaceous plants
2450	**73.001**	SPECTACLE	Common	Common Nettle
2462	**72.084**	MOTHER SHIPTON	Common	Clover, Trefoils, Black Medick
2466	**72.063**	BLACKNECK	Near Threatened	Tufted Vetch
2473	**72.069**	BEAUTIFUL HOOK-TIP	Local	Lichens
2474	**72.002**	STRAW DOT	Common	Grasses
2477	**72.003**	SNOUT	Common	Common Nettle
2489	**72.053**	FAN-FOOT	Common	Withered Leaves of Deciduous Trees

Appendix IV – Other Wildlife Recorded During Surveys

Amphibian	Common Toad (*Bufo bufo*)	1	29th July, 2024
Beetle	Weevil (*Liophloeus tessulatus*)	1	7th May, 2024
Beetle	*Necrodes littoralis*	1	29th July, 2024
Beetle	Common Cockchafer (*Melolontha melolontha*)	1	29th April, 2025
Beetle	Common Cockchafer (*Melolontha melolontha*)	2	17th May, 2025
Bird	Barn Owl (*Tyto alba*)	1	3rd September, 2024
Bird	Barn Owl (*Tyto alba*)	1	1st April, 2025
Bird	Pheasant (*Phasianus colchicus*)	1	29th April, 2025
Caddis	*Stenophylax permistus*	4	7th May, 2024
Caddis	*Stenophylax permistus*	3	3rd September, 2024
Caddis	*Stenophylax permistus*	2	29th April, 2025
Caddis	Speckled Peter (*Agrypnia varia*)	1	29th July, 2024
Caddis	Cut-out Caddis (*Glyphotaelius pellucidus*)	1	29th July, 2024
Caddis	Lunatic Caddis (*Limnephilus lunatus*)	1	3rd September, 2024
Froghopper	Eared Leafhopper (*Ledra aurita*)	1	29th July, 2024
Mammal	Brown Hare (*Lepus europaeus*)	2	24th June, 2025
Shieldbug	Hawthorn Shieldbug (*Acanthosoma haemorrhoidale*)	1	29th July, 2024



Weevil (*Liophloeus tessulatus*) – Sun Rising NBG – 7th May, 2024

Some Photos From Sun Rising 2024/5



1978 (69.007) **Pine Hawk-moth** (*Sphinx pinastri*) 29th July, 2024



2076 (74.002) **Kent Black Arches** (*Meganola albula*) – 29th July, 2024



2279 (73.079) **Sycamore** (*Acronicta aceris*) – 29th July, 2024



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2331 (73.159) **Small Clouded Brindle** (*Apamea unanimis*) – Larva
3rd September, 2024



© E. Restall Orr

1634 (66.003) **Lackey** (*Malacosoma neustria*) – Larvae at nest – 1st May, 2025



2425 (73.032) **Nut-tree Tussock** (*Colocasia coryli*) 29th April, 2025



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1980 (69.002) **Eyed Hawk-moth** (*Smerinthus ocellata*) – 17th May, 2025



2157 (73.263) **Light Brocade** (*Lacanobia w-latinum*) – 17th May, 2025



2173 (73.281) **Lychnis** (*Hadena bicruris*) – 17th May, 2025



Pic: © M. Kennard

(Left) 2337 (73.173) **Marbled Minor** (*Oligia strigilis*) – 17th May, 2025
(Right) 2339 (73.174) **Tawny Marbled Minor** (*Oligia latruncula*) – 17th May, 2025
(Both identities confirmed via genitalia examination)



Pic: © P. Smith

2000 (71.012) **Iron Prominent** (*Notodonta dromedarius*) – 4th August, 2025



2091 (73.327) **Dark Sword-grass** (*Agrotis ipsilon*) – 4th August, 2025