Sun Rising NBG Moth Survey 2023 – A Brief Review



Alan Prior

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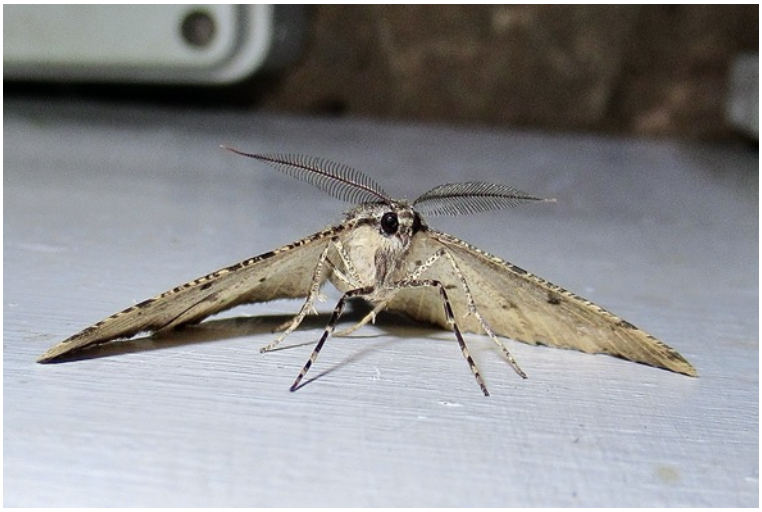
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1937 (70.258) **Willow Beauty** (*Peribatodes rhomboidaria)* 13th June, 2023

Cover Photo: 2006 (71.018) **Lesser Swallow Prominent** (*Pheosia gnoma)* 17th April, 2023

All photos in this report taken at Sun Rising by A. Prior (unless stated) © 2023

Sun Rising NBG Moth Surveys 2023

Introduction

For 2023 I attempted a little experiment and aimed to visit on dates when there was a new moon. As Sun Rising is a relatively open site with a big sky I thought it worth a try to see if I did any better without any distraction from above. Although some of the scheduled dates had to be altered on occasion it was only by 24 hours before or after. The weather wasn't the best during the year, but the visits were reasonably successful with decent conditions on most of them. It may be worth repeating the experiment in 2024 and then make a comparison to see if it really did make a significant difference.

Visit 1 – 17th April, 2023

After a slow and frustrating journey I arrived only a few minutes later than planned. In the car park I found David chatting to Steve, a new member of the team at Sun Rising and he was keen to join us for a bit of mothing. Martin arrived a little while after and so ideas about where the traps would go were put forward. It didn't take long to sort and I had one by Nova's cabin and the other on the track the other side of the car park. Martin had already put his LED up at the top by the new car park and then he put an actinic up in his usual spot. There was a nagging breeze, which was expected, and the sky went clear by the time all the traps were up and on, but no moon! Steve stayed for the early first round of the traps and even got a new moth for him before he went. So that worked out pretty well. It was quite slow, fairly typical for April, but the occasional moth did head into the traps. We wandered up to the top end to keep warm. When we got back and had some final refreshments before it was time to start to pack up. There were moths in every trap, which was a good result and at least Martin knew all his equipment worked, as this was his first time out this year. He headed for home a little while before midnight and I decided to get some photos before completing the packing up. There was some late good news as a **Brindled Beauty** had arrived and so signalled it was time to head for home. Leaving just after 1:15 am I had a much better journey home and even saw a flying Barn Owl not far from Sun Rising. It had been a better night than expected really, as we got a new moth for Sun Rising, **Dotted Chestnut**, and two seconds for the site in **Brindled Beauty** and **Lesser Swallow Prominent**. All in all, a good job done.



2260 (73.197) **Dotted Chestnut** (*Conistra rubiginea*) 17th April, 2023

Visit 2 – 17th May, 2023

I managed to delay the scheduled moth night by 24 hours and after a much better journey than last month arrived about 15 minutes earlier than expected. It was a bit unusual as the sky was cloudy, which is a rare event when visiting Sun Rising! There was very little wind too. I got straight to work setting up the traps and ran three tonight as it was just me. The usual trap at the cabin with another MV up the track to the roundhouse and the actinic was down by the crossroads. Then it was just a case of waiting for it to get dark enough to switch on. I managed to have a wander around some of the newly laid paths and enjoyed the views over the valley. I even heard a Curlew calling somewhere in the distance. I haven't heard one of those for a while. I'd just got back when a car pulled up at the gate. It was Steve, who had come to join me for a little while. It was then just about time to switch on. Steve and I chatted away for a while and we saw the Barn Owl flying around. Eventually, it was decided to do an early round of the traps. They all had moths in, which was a good start. They were mostly "flappy" things, so that proved there was no wind. Around a quarter to midnight Steve bid me farewell and set off for home. At least he'd seen some moths, although nothing of major interest had come in early, but **Grass Rivulet** appeared to be one that Steve hadn't heard of, so that might be new for him. I started getting some pics as more moths came steadily to the traps. After having some refreshment around 1 am I started to count up. There was no rush, which was nice, and the actinic was all done by about a quarter to two. The one on the track took a while longer as there were more new species for the night in there and so more pics were taken. With **Silver Cloud** in the traps I knew it was the right time to finish. The cabin trap was the last one to get counted and packed up. Once everything was back in the car I set off for home at 3:15 am. It had been very welcome to actually get some moths and it felt like the first proper night of the year. It was mainly thanks to the cloud, as the temperature didn't go down significantly and having no wind also helped. Just as I was shutting the gate a little breeze started to pick up. So it seemed I'd timed it well. It seemed the delay had paid off and it was the right night to make the visit. Three new species for the site were recorded and they were ***Grapholita jungiella***, **Seraphim** and **Light Brocade**.



2181 (73.251) **Silver Cloud** (*Egira conspicillaris*) 17th May, 2023

Visit 3 – 13th June, 2023

The monthly trip down to Sun Rising was slow, but I arrived right on schedule at 9:30 pm. I got straight on with setting up and it was all done in 15 minutes. The wind was a pain, but the two traps were in the most sheltered spots possible. Any other traps would have to be in the wind, so I was glad that I decided that two tonight would be plenty. Before switching on at 10 pm I went for a wander and saw two Brown Hare the other side of the roundhouse. The traps were quite busy from switch on and remained like that all night despite the temperature dropping. The wind stopped blowing quite so hard at times and that allowed the moths to make their way to the traps. I was kept busy spotting the fresh arrivals and taking photos. The time went very quickly as there was always something happening. Whilst having something to eat I saw a big moth go into the trap and on investigation it turned out to be a **Privet Hawk-moth**. Once I'd finished eating, I began counting up the far trap. It took about an hour as it had a lot of new arrivals in it since I'd last looked. I had just counted a couple of boxes in the cabin trap when Steve arrived to see what I'd got. He got to see lots of new moths for him, which included the **Privet Hawk**. I continued counting whilst chatting and showing Steve some of the more interesting finds. It had long been light by the time all was finally finished about 4 am. After loading everything into the car it was half an hour later that I said my farewells to Steve and set off for home. He was staying on to start his working day. A good journey home was welcome after such a busy night. Five more species were added to the ever growing list for Sun Rising and they were: ***Plutella porrectella***, **Green Oak Tortrix**, ***Gypsonoma sociana***, **Obscure Wainscot** and **Miller**.



2204 (73.302) **Obscure Wainscot** (*Leucania obsoleta*) 13th June, 2023



2280 (73.040) **Miller** (*Acronicta leporina*) 13th June, 2023

Visit 4 – 17th July, 2023

With bad weather on the way I brought the monthly visit to Sun Rising forward by 24 hours. After a surprisingly good journey I arrived before 9 pm to find that there was almost no wind at all, which was very welcome. It was just going to be me so I set three traps up at the roundhouse, by the car park gate and next to Nova's Cabin. They were all ready to go by 9:30 pm and so I still had a little while to wait before switching on. After switching on a steady stream of moths arrived, which kept me busy. As with last month, after having something to eat I started counting straight afterwards. The bits of high cloud seemed to be doing a good job and the temperature only dropped a couple of degrees for most of the night after switch on. Two traps were counted, packed up and back in the car just before 3 am, so I'd done really well. They had added many species, so they were well worth the effort. Despite the temperature dropping another couple of degrees by the end the trap by the cabin took the longest to count, but was completed by 3:45 am. It was getting quite light by the time I was on my way home just after 4 am. Only one new species for Sun Rising was discovered tonight, but it was a significant one. ***Gelechia scotinella*** is a scarce species of old hedgerows and this was only the second site that it had been found at in Warwickshire. Amongst the other species tonight were **Leopard Moth**, ***Coleophora peribenanderi***, ***Cnephasia longana***, **Gold Triangle**, **Muslin Footman**, and another **Miller**.



161 (50.002) **Leopard Moth** (*Zeuzera pyrina*) 17th July, 2023



2038 (72.036) **Muslin Footman** (*Nudaria mundana*) 17th July, 2023

Visit 5 – 22nd August, 2023

The weather was good enough to make the monthly trip to Sun Rising on the actual scheduled date! I managed to be behind Pete for the last few miles of the journey and followed him into the car park. After the initial greetings the discussion turned to where to set up and once agreed we got on with it. During the process Martin arrived and I confirmed with him where he was going to set his couple of traps. Then I could work out where to put up my second one. With the others traps being on batteries I was last to switch on. While we chatted in the car park there was one more arrival. Kate does the media stuff for the Warwickshire Branch of Butterfly Conservation and only lives in Kineton, so it wasn't very far for her to come. However, she's a daytime person and so we didn't know how long she'd stay. Having been on over an hour, we'd seen plenty arriving at the traps and an early round was started. There were some nice arrivals including a **Red Underwing**. Martin had also put a pheromone trap up between the Cabin trap and his down at the pond. That proved valuable, as it had a **Dewick's Plusia** in it as it was checked when we passed by. So that was at least one new species for the site tonight. The complete round of the traps was completed just before midnight with plenty of moths having been seen. It was a clear night, but not really cold for Sun Rising. Kate decided she better head for home having had a very enjoyable time learning the local terms for many species. After some refreshment it was count up time, so everyone disappeared to start. There were a nice number of moths and not too overwhelming. With the others only running LED or actinic lights they had slightly fewer moths and Martin & Pete finished around the same time. I had only managed to do one, as I was taking photos too. But it did give me a break to bid farewell to them. The trap by the Cabin took a while and the light eventually went off about 2:45 am. Fifteen minutes later and I was on my way home. It was still dark and plenty of moths were seen flying in the cars headlights. The only other new species tonight was surprisingly ***Epinotia nisella***.



2436 (73.010) **Dewick's Plusia** (*Macdunnoughia confusa*) 22nd August, 2023

Visit 6 – 13th September, 2023

It was so wet, cold and horrible that I asked to put the monthly trip to Sun Rising back 24 hours. Luckily it was agreed despite there being an event on. It was an OK journey but I arrived to an unusual sight, as the car park was almost full. I knew the event started a while before I arrived and suspected Emma & David would be busy, so I got to work setting up the two traps. Half way through I found Emma wandering and so chatted while finishing setting up. The crowd on the "sunset" event (which wasn't a very good sunset unfortunately) were out of the way on a walk around some of the site. It wasn't too long before it was dark enough to switch on the traps. So, at 8 pm there were a couple of lights glowing. After a while the crowd appeared around the trap on the track up to the roundhouse and so I went to see if they had any questions. Of course they did! So, I spent a little while educating the group and trying to find an arriving moth that wasn't brown! Thankfully, a **Brindled Green** did arrive while some people were still there and so I could prove they weren't all brown. Eventually, the group followed Emma's lead and all headed for home. However, David stayed for a couple of hours and chatted away with me at the trap by the cabin. Just before 11 pm David headed for home too and left me to it. The sky was partly cloudy and it hadn't been that warm when the traps went on, so we weren't hopeful of there being too much to count. After having something to eat as usual, I looked in the cabin trap and saw a **Frosted Orange** arrive. That was the trigger to start packing up. There were a nice number of moths tonight, not too many, but some nice ones. With **Rosy Rustic** having appeared as well, so it was job done. The last light went off at 2 am and about 20 minutes later I was shutting the gate behind me and on the way home. The biggest surprise to me was that the early **Brindled Green** was actually a new species for the site! The only other species to be added to the list was ***Acleris cristana***.



1054 (49.076) ***Acleris cristana*** 13th September, 2023

Visit 7 – 10th October, 2023

Martin had suggested the weather was still going to be good enough to get another moth night in. So the agreed venue was Sun Rising, as it was a month since I last went and so was due a visit if possible. With the nights drawing in I decided to leave about 5 pm and hope that I could wade through the rush hour traffic. It was the expected patchy journey, but I've had worse. I got straight to work setting up the two traps on arrival. The usual one by Nova's Cabin and the actinic in the corner the other side of the car park. Martin arrived after he'd already put the usual LED trap up at the northern end and only had his MV to sort out. Once that was done it wasn't long before they were switched on as the high cloud had made it was quite dark by 7 pm. With everything up and running we had a break and some food before having a first look in the traps after an hour or so. We'd seen a few moths arrive and when we looked at the first eggbox found that our target had already been achieved, as there was a **Figure of Eight** sitting on it. I had a trap that was only intermittently working and so Martin and I spent some time trying to solve the problem. After quite a while the problem was located and fixed. The trap was left on and eggboxes put in it just so it could have a proper check. It didn't come on until about 10 o'clock and was in the windiest spot so nothing much was expected to be recorded in it. That wasn't really the point, as at least it was now working, so anything would be a bonus. A refreshment break was required after that but, eventually another round of the traps was done and more species were found. It was a mild night and the high cloud thickened a bit. With the increasing wind it was decided to start packing up not long after midnight. I now had three traps to deal with and there were actually a few moths in the 'fixed' one that had only been on a couple of hours. None of the traps took long to count and I was just about finished when Martin arrived also having packed up. In the end we managed almost 30 species, which was very pleasing, especially at this time of year at Sun Rising. The last light had gone off at 1:30 am and was soon loaded into the car. So, 15 minutes later I followed Martin out of the car park and shut the gate behind us as we headed home. I had a good journey, but did have some patchy drizzle on the way so knew the weather was on the change. No new species for Sun Rising were found tonight, but **Figure of Eight** is such a scarce moth these days that it worth going just for that. We did have some nice moths though like **Feathered Thorn**, **Green-brindled Crescent** and **Merveille Du Jour**.



2020 (73.033) **Figure of Eight** (*Diloba caeruleocephala*) 10th October, 2023

Summary

The facts and figures for the five visits were:
25 traps set, over 42 hours worth of recording, an average overnight temperature of 8.8˚C, 2,492 individuals recorded representing 271 species with 19 newly recorded at Sun Rising. So, despite the cool end to most of the nights it was still a very productive year at Sun Rising with the species list now standing at 599.

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. I would also like to give a huge thank you to Martin Kennard and Pete Smith especially, for their commitment, dedication and contributing greatly on some of the recording nights this year.

Appendix I – Recording Details

Visit	Date	Traps	Temp	Time	Species	Recorders
1	17th April, 2023	4	4.3˚C	4h 30m	8	A. Prior/M. Kennard
2	17th May, 2023	3	8.0˚C	5h 45m	35	A. Prior
3	13th June, 2023	2	4.7˚C	6h 00m	97	A. Prior
4	17th July, 2023	3	8.8˚C	7h 30m	114	A. Prior
5	22nd August, 2023	6	11.5˚C	6h 00m	79	A. Prior/M. Kennard/P. Smith
6	13th September, 2023	2	9.8˚C	6h 00m	33	A. Prior
7	10th October, 2023	5	14.8˚C	6h 30m	27	A. Prior/M. Kennard
	TOTALS	25	8.8˚C Avg.	42h 15m	271	

Appendix II – The Complete List For 2023

B & F	New	Species Name	Apr	May	Jun	Jul	Aug	Sep	Oct	TOTAL	Comment
14	**3.005**	Ghost Moth		*3						**0**	*Larvae
15	**3.001**	Orange Swift					13			**13**	
17	**3.002**	Common Swift			58					**58**	
67	**4.042**	*Stigmella plagicolella*							*4	**0**	*Mines
141	**7.012**	*Nematopogon schwarziellus*		1						**1**	
159	**6.002**	*Antispila petryi*							*2	**0**	*Mines
161	**50.002**	Leopard Moth				1				**1**	
246	**12.032**	*Tinea semifulvella*				1				**1**	
262	**21.002**	*Lyonetia prunifoliella*							*1	**0**	*Mine
263	**21.001**	Apple Leaf Miner							*5	**0**	*Mines
290	**15.012**	*Caloptilia semifascia*					*1		1	**1**	*Mine 1m Gen. Det. MK
305	**15.030**	*Parornix scoticella*							*1	**0**	*Mine
309	**15.033**	*Parornix torquillella*							*1	**0**	*Mine
313	**15.019**	*Acrocercops brongnardiella*				*10				**0**	
329	**15.049**	*Phyllonorycter spinicolella*							*1	**0**	*Mine
330	**15.050**	*Phyllonorycter cerasicolella*							*1	**0**	*Mine
332	**15.052**	*Phyllonorycter corylifoliella*							*3	**0**	*Mines
424	**16.001**	*Yponomeuta evonymella*				1	1			**2**	
425	**16.002**	*Yponomeuta padella*				4				**4**	
426	**16.003**	*Yponomeuta malinellus*				3	20	1		**24**	

B & F	New	Species Name	Apr	May	Jun	Jul	Aug	Sep	Oct	TOTAL	Comment
428	16.005	*Yponomeuta rorrella*				1				1	
440	16.019	*Paraswammerdamia albicapitella*				1				1	
450	25.001	*Scythropia crataegella*				1				1	
455	17.005	*Ypsolopha scabrella*					1			1	
456	17.006	*Ypsolopha horridella*					1			1	
464	18.001	Diamond-back Moth			6	1				7	
465	18.003	*Plutella porrectella*			1					1	
495	37.016	*Coleophora spinella*	*1							0	*Case
517	37.035	*Coleophora alcyonipennella*				1				1	
518	37.048	*Coleophora mayrella*			1					1	
559	37.093	*Coleophora peribenanderi*				1				1	1m Gen. Det. AP
647	28.010	Brown House-moth					1			1	
658	31.001	*Carcina quercana*				3				3	
668	32.003	*Luquetia lobella*			5					5	
688	32.018	*Agonopterix heracliana*				1				1	
772	35.148	*Carpatolechia fugitivella*				1				1	
801	35.098	*Gelechia scotinella*				1				1	1m Gen. Det. AP
814	35.118	Beet Moth					1			1	
819	35.123	*Scrobipalpa costella*					1			1	
843	35.010	*Aproaerema anthyllidella*		2		1	1			4	1m Gen. Det. AP
866	35.028	*Brachmia blandella*				2				2	
868	35.031	*Helcystogramma rufescens*				3				3	
873	41.002	*Blastobasis adustella*					6			6	
874	41.003	*Blastobasis lacticolella*				2			2	4	
936	49.097	*Cochylimorpha straminea*		4	4	9	3			20	
937	49.109	*Agapeta hamana*			2	2				4	
938	49.110	*Agapeta zoegana*			1		1			2	
964a	49.138	*Neocochylis molliculana*					1			1	
965	49.136	*Neocochylis hybridella*			2					2	
970	49.025	Barred Fruit-tree Tortrix			2					2	
972	49.026	Dark Fruit-tree Tortrix				2	2			4	
989	49.031	Timothy Tortrix			4					4	
993	49.037	*Clepsis spectrana*				1				1	
994	49.038	*Clepsis consimilana*				1				1	1m Gen. Det. AP
998	49.039	Light Brown Apple Moth			3		1		1	5	
1010	49.004	Red-barred Tortrix				2				2	
1016	49.057	*Cnephasia longana*				1				1	
1020x	49.050x	*Cnephasia sp.*				33				33	
1024	49.049	*Cnephasia incertana*			2					2	1m Gen. Det. AP
1033	49.059	Green Oak Tortrix			3					3	
1036	49.062	*Acleris forsskaleana*				3	1			4	
1042	49.070	*Acleris rhombana*							1	1	
1047	49.073	*Acleris schalleriana*							*5	0	*Feeding signs
1048	49.077	Garden Rose Tortrix							4	4	
1053	49.080	*Acleris hastiana*				1				1	
1054	49.076	*Acleris cristana*						1		1	
1063	49.161	*Celypha striana*			4	4				8	
1076	49.166	*Celypha lacunana*			17	3	10	1		31	
1082	49.157	*Hedya pruniana*			5					5	
1083	49.156	*Hedya nubiferana*			2	5				7	
1097	49.186	*Endothenia gentianaeana*	*1							0	*Larva
1108	49.183	*Lobesia abscisana*				1				1	
1138	49.255	*Epinotia nisella*					1			1	
1144	49.237	*Epinotia signatana*				1				1	
1168	49.281	*Gypsonoma sociana*			1					1	

B & F	New	Species Name	Apr	May	Jun	Jul	Aug	Sep	Oct	TOTAL	Comment
1174	**49.292**	*Notocelia cynosbatella*			1					**1**	
1175	**49.294**	Bramble Shoot Moth			1	3				**4**	
1176	**49.298**	*Notocelia trimaculana*			2					**2**	
1177	**49.297**	*Notocelia rosaecolana*			2					**2**	
1178	**49.295**	*Notocelia roborana*				1				**1**	
1200	**49.266**	*Eucosma hohenwartiana*			49	1				**50**	
1201	**49.265**	*Eucosma cana*			2	3				**5**	
1202	**49.264**	*Eucosma obumbratana*			6	1				**7**	
1251	**49.354**	*Grapholita jungiella*		1						**1**	
1293	**63.080**	*Chrysoteuchia culmella*			15	15				**30**	
1301	**63.086**	*Crambus lathoniellus*			17					**17**	
1302	**63.088**	*Crambus perlella*				2				**2**	
1303	**63.092**	*Agriphila selasella*					4			**4**	
1304	**63.093**	*Agriphila straminella*				4	7			**11**	
1305	**63.089**	*Agriphila tristella*				5	80			**85**	
1331	**63.115**	Water Veneer			1		2			**3**	
1334	**63.064**	*Scoparia ambigualis*			1					**1**	
1344	**63.074**	*Eudonia mercurella*					8			**8**	
1345	**63.114**	Brown China-mark			1		1			**2**	
1356	**63.057**	Garden Pebble					3			**3**	
1362	**63.007**	*Pyrausta purpuralis*				1				**1**	
1376	**63.025**	Small Magpie			4					**4**	
1378	**63.018**	Spotted Magpie				1				**1**	
1386	**63.016**	*Anania fuscalis*		1	12					**13**	
1390	**63.034**	*Udea prunalis*				4				**4**	
1398	**63.052**	Rush Veneer					1		1	**2**	
1405	**63.038**	Mother of Pearl				1	3			**4**	
1413	**62.075**	Gold Triangle				1				**1**	
1428	**62.001**	Bee Moth				1				**1**	
1439	**62.035**	*Acrobasis advenella*					4			**4**	
1452	**62.029**	*Phycita roborella*				1				**1**	
1470	**62.048**	*Euzophera pinguis*				1	4			**5**	
1481	**62.054**	*Homoeosoma sinuella*				2				**2**	
1524	**45.044**	*Emmelina monodactyla*				1	2	1		**4**	
1632	**66.002**	PALE EGGAR					14			**14**	
1640	**66.010**	DRINKER				1				**1**	
1651	**65.007**	CHINESE CHARACTER	1	1		1	1			**4**	
1653	**65.009**	BUFF ARCHES				1				**1**	
1669	**70.305**	COMMON EMERALD				1				**1**	
1682	**70.029**	BLOOD-VEIN			2		1			**3**	
1702	**70.013**	SMALL FAN-FOOTED WAVE				1				**1**	
1708	**70.011**	SINGLE-DOTTED WAVE				7	2			**9**	
1712	**70.015**	SMALL SCALLOP				3				**3**	
1713	**70.016**	RIBAND WAVE			1	6	2			**9**	
1724	**70.051**	RED TWIN-SPOT CARPET		4						**4**	
1727	**70.054**	SILVER-GROUND CARPET			2					**2**	
1732	**70.045**	SHADED BROAD-BAR				19				**19**	
1738	**70.061**	COMMON CARPET			2					**2**	
1742	**70.059**	YELLOW SHELL				1				**1**	
1747	**70.067**	STREAMER		2						**2**	
1752	**70.087**	PURPLE BAR					2			**2**	
1758	**70.093**	BARRED STRAW			3					**3**	
1760	**70.095**	RED-GREEN CARPET						1	4	**5**	
1764	**70.097**	COMMON MARBLED CARPET			3		2	10	5	**20**	
1765	**70.085**	BARRED YELLOW			17					**17**	

B & F	New	Species Name	Apr	May	Jun	Jul	Aug	Sep	Oct	TOTAL	Comment
1776	**70.100**	GREEN CARPET		22	1		20			**43**	
1795x	**70.107x**	November Moth agg.							29	**29**	
1799	**70.106**	WINTER MOTH	*5							**0**	*Larvae
1807	**70.137**	GRASS RIVULET		5	2					**7**	
1812	**70.148**	MAPLE PUG					1			**1**	
1819	**70.184**	MOTTLED PUG		7	1					**8**	
1832	**70.182**	CURRANT PUG			1					**1**	1m Gen. Det. AP
1834	**70.183**	COMMON PUG		1	1					**2**	
1852	**70.156**	BRINDLED PUG		1						**1**	
1853	**70.157**	OAK-TREE PUG		3						**3**	
1860	**70.144**	GREEN PUG			4	1				**5**	
1862	**70.141**	DOUBLE-STRIPED PUG				1				**1**	
1879	**70.198**	SERAPHIM		1						**1**	
1884	**70.205**	MAGPIE MOTH					5			**5**	
1887	**70.207**	CLOUDED BORDER			2	2				**4**	
1888	**70.208**	SCORCHED CARPET		1						**1**	
1904	**70.224**	SCORCHED WING			3					**3**	
1906	**70.226**	BRIMSTONE MOTH		12	3	2	43	6	*1	**66**	*Larva
1913	**70.234**	CANARY-SHOULDERED THORN					6	2		**8**	
1914	**70.235**	DUSKY THORN					29	3		**32**	
1917	**70.237**	EARLY THORN	1			2				**3**	
1921	**70.241**	SCALLOPED OAK				7				**7**	
1922	**70.243**	SWALLOW-TAILED MOTH				1				**1**	
1923	**70.244**	FEATHERED THORN							3	**3**	
1927	**70.248**	BRINDLED BEAUTY	1							**1**	
1936	**70.257**	WAVED UMBER		2						**2**	
1937	**70.258**	WILLOW BEAUTY			8	4	3	8		**23**	
1941	**70.265**	MOTTLED BEAUTY			5					**5**	
1955	**70.277**	COMMON WHITE WAVE			2	1				**3**	
1958	**70.280**	CLOUDED SILVER			11					**11**	
1961	**70.283**	LIGHT EMERALD			2		1	1		**4**	
1976	**69.006**	PRIVET HAWK-MOTH			3	1				**4**	
1980	**69.002**	EYED HAWK-MOTH		4	2					**6**	
1981	**69.003**	POPLAR HAWK-MOTH		2	1	1	3			**7**	
1991	**69.016**	ELEPHANT HAWK-MOTH				1				**1**	
1994	**71.025**	BUFF-TIP			1					**1**	
1998	**71.007**	POPLAR KITTEN			1					**1**	
2003	**71.013**	PEBBLE PROMINENT		1		3				**4**	
2006	**71.018**	LESSER SWALLOW PROMINENT	1							**1**	
2007	**71.017**	SWALLOW PROMINENT		1			1			**2**	
2011	**71.020**	PALE PROMINENT			4	3				**7**	
2020	**73.033**	FIGURE OF EIGHT							1	**1**	
2026	**72.017**	VAPOURER					1			**1**	
2030	**72.013**	YELLOW-TAIL				7				**7**	
2033	**72.010**	BLACK ARCHES					1			**1**	
2038	**72.036**	MUSLIN FOOTMAN				1				**1**	
2044	**72.044**	DINGY FOOTMAN				1	3			**4**	
2047	**72.046**	SCARCE FOOTMAN				9				**9**	
2050	**72.045**	COMMON FOOTMAN	*1			140				**140**	*Larva
2060	**72.020**	WHITE ERMINE		1	2					**3**	
2061	**72.019**	BUFF ERMINE			3					**3**	
2064	**72.024**	RUBY TIGER				1	2			**3**	
2069	**72.031**	CINNABAR MOTH			3					**3**	
2077	**74.003**	SHORT-CLOAKED MOTH				2				**2**	
2078	**74.004**	LEAST BLACK ARCHES		1						**1**	

B & F	New	Species Name	Apr	May	Jun	Jul	Aug	Sep	Oct	TOTAL	Comment
2089	**73.317**	HEART & DART			11	5				**16**	
2092	**73.325**	SHUTTLE-SHAPED DART					1			**1**	
2098	**73.328**	FLAME			3					**3**	
2102	**73.329**	FLAME SHOULDER		8	5		28			**41**	
2107	**73.342**	LARGE YELLOW UNDERWING			1	15	151	6	3	**176**	
2109	**73.345**	LESSER YELLOW UNDERWING				1		2		**3**	
2110	**73.343**	BROAD-BORDERED YELLOW UNDERWING				1	3	3		**7**	
2111	**73.348**	LESSER BROAD-BORDERED YELLOW UNDERWING				4	17			**21**	
2123	**73.334**	SMALL SQUARE-SPOT			11		26			**37**	
2126	**73.359**	SETACEOUS HEBREW CHARACTER			9	3	67	71	11	**161**	
2128	**73.361**	DOUBLE SQUARE-SPOT				1				**1**	
2133	**73.358**	SIX-STRIPED RUSTIC					2			**2**	
2134	**73.357**	SQUARE-SPOT RUSTIC					45	41	10	**96**	
2157	**73.263**	LIGHT BROCADE		1						**1**	
2160	**73.267**	BRIGHT-LINE BROWN-EYE		1	1	2	1			**5**	
2173	**73.281**	LYCHNIS		1						**1**	
2178	**73.253**	FEATHERED GOTHIC						1		**1**	
2181	**73.251**	SILVER CLOUD		3						**3**	
2186	**73.247**	POWDERED QUAKER		1						**1**	
2187	**73.244**	COMMON QUAKER	4							**4**	
2188	**73.242**	CLOUDED DRAB	9							**9**	
2190	**73.249**	HEBREW CHARACTER	11	5						**16**	
2192	**73.290**	BROWN-LINE BRIGHT-EYE				18				**18**	
2193	**73.298**	CLAY				3				**3**	
2194	**73.297**	WHITE-POINT			1	1	4	3		**9**	
2198	**73.293**	SMOKY WAINSCOT				33				**33**	
2199	**73.291**	COMMON WAINSCOT			7	5	38	8		**58**	
2204	**73.302**	OBSCURE WAINSCOT			1					**1**	
2205	**73.301**	SHOULDER-STRIPED WAINSCOT			20					**20**	
2231	**73.231**	DEEP-BROWN DART						2		**2**	
2232	**73.233**	BLACK RUSTIC						5	3	**8**	
2237	**73.202**	GREY SHOULDER-KNOT							1	**1**	
2245	**73.068**	GREEN-BRINDLED CRESCENT							31	**31**	
2247	**73.224**	MERVEILLE DU JOUR							1	**1**	
2248	**73.225**	BRINDLED GREEN						1	1	**2**	
2259	**73.195**	DARK CHESTNUT							3	**3**	
2260	**73.197**	DOTTED CHESTNUT	1							**1**	
2266	**73.187**	BROWN-SPOT PINION						2	1	**3**	
2267	**73.186**	BEADED CHESTNUT							19	**19**	
2269	**73.219**	CENTRE-BARRED SALLOW					4	7		**11**	
2270	**73.193**	LUNAR UNDERWING						5	3	**8**	
2272	**73.180**	BARRED SALLOW						1	8	**9**	
2278	**73.046**	POPLAR GREY			2					**2**	
2280	**73.040**	MILLER			1	1				**2**	
2283	**73.037**	DARK DAGGER			1					**1**	
2284	**73.038**	GREY DAGGER				1				**1**	
2289	**73.045**	KNOT GRASS				1	3			**4**	
2291	**73.047**	CORONET			1	1				**2**	
2297	**73.062**	COPPER UNDERWING					13	1		**14**	
2298	**73.063**	SVENSSON'S COPPER UNDERWING					1			**1**	
2302	**73.102**	BROWN RUSTIC			6					**6**	
2303	**73.109**	STRAW UNDERWING				2	1			**3**	
2306	**73.113**	ANGLE SHADES		1			2			**3**	
2318	**73.216**	DUN-BAR				5				**5**	
2321	**73.162**	DARK ARCHES			33	34				**67**	

B & F	New	Species Name	Apr	May	Jun	Jul	Aug	Sep	Oct	TOTAL	Comment
2322	**73.163**	LIGHT ARCHES			3					**3**	
2326	**73.156**	CLOUDED-BORDERED BRINDLE		1						**1**	
2327	**73.155**	CLOUDED BRINDLE			1					**1**	
2330	**73.154**	DUSKY BROCADE			1					**1**	
2331	**73.159**	SMALL CLOUDED BRINDLE			1					**1**	
2333	**73.157**	LARGE NUTMEG			9					**9**	
2334	**73.158**	RUSTIC SHOULDER-KNOT		5	4					**9**	
2337x	**73.173x**	Marbled Minor agg.			28					**28**	
2340	**73.176**	MIDDLE-BARRED MINOR			18					**18**	
2341	**73.172**	CLOAKED MINOR				3				**3**	
2343x	**73.169x**	Common Rustic agg.				19	13			**32**	
2345	**73.147**	SMALL DOTTED BUFF			3	1				**4**	
2352	**73.120**	DUSKY SALLOW				16				**16**	
2353	**73.131**	FLOUNCED RUSTIC					21	3		**24**	
2361	**73.123**	ROSY RUSTIC					1	2	1	**4**	
2364	**73.121**	FROSTED ORANGE						2		**2**	
2380	**73.101**	TREBLE LINES			13					**13**	
2381	**73.096**	UNCERTAIN			1	59				**60**	
2382	**73.097**	RUSTIC				18				**18**	
2384	**73.099**	VINE'S RUSTIC			2		7	1		**10**	
2387	**73.092**	MOTTLED RUSTIC			2	1				**3**	
2434	**73.012**	BURNISHED BRASS						2		**2**	
2436	**73.010**	DEWICK'S PLUSIA					3			**3**	to pheromone
2439	**73.022**	GOLD SPOT					1			**1**	
2441	**73.015**	SILVER Y		4		2	3		1	**10**	
2450	**73.001**	SPECTACLE			1		3			**4**	
2452	**72.078**	RED UNDERWING					1			**1**	
2473	**72.069**	BEAUTIFUL HOOK-TIP			2					**2**	
2474	**72.002**	STRAW DOT			2		26		2	**30**	
2477	**72.003**	SNOUT			2	1		4		**7**	
2489	**72.053**	FAN-FOOT				1				**1**	
271			29	112	540	638	814	208	151	**2492**	

Appendix III – National Status & Foodplants

B & F	New	Species Name	National Status	Foodplants
14	**3.005**	Ghost Moth	Common	Grasses, Herbaceous plants
15	**3.001**	Orange Swift	Common	Bracken, Herbaceous plants
17	**3.002**	Common Swift	Common	Grasses, Herbaceous plants
67	**4.042**	*Stigmella plagicolella*	Common	Blackthorn, Plum, Cherry
141	**7.012**	*Nematopogon schwarziellus*	Common	Dead Leaves
159	**6.002**	*Antispila petryi*	Local	Dogwood
161	**50.002**	Leopard Moth	Common	Deciduous Trees & Shrubs
246	**12.032**	*Tinea semifulvella*	Common	Bird's Nests, Wool Remains
262	**21.002**	*Lyonetia prunifoliella*	pRDB1	Rosaceous Trees
263	**21.001**	Apple Leaf Miner	Common	Rosaceous Trees & Birch
290	**15.012**	*Caloptilia semifascia*	Local	Field Maple
305	**15.030**	*Parornix scoticella*	Common	Whitebeam
309	**15.033**	*Parornix torquillella*	Common	Blackthorn
313	**15.019**	*Acrocercops brongnardiella*	Local	Oak
329	**15.049**	*Phyllonorycter spinicolella*	Common	Blackthorn, Wild Plum
330	**15.050**	*Phyllonorycter cerasicolella*	Local	Cherry
332	**15.052**	*Phyllonorycter corylifoliella*	Common	Rosaceous Trees & Shrubs

B & F	New	Species Name	National Status	Foodplants
424	**16.001**	*Yponomeuta evonymella*	Common	Bird-cherry
425	**16.002**	*Yponomeuta padella*	Common	Hawthorn, Blackthorn, Cherry
426	**16.003**	*Yponomeuta malinellus*	Local	Apple
428	**16.005**	*Yponomeuta rorrella*	Local	White & Grey Willow
440	**16.019**	*Paraswammerdamia albicapitella*	Common	Blackthorn
450	**25.001**	*Scythropia crataegella*	Common	Hawthorn, Blackthorn, Cotoneaster
455	**17.005**	*Ypsolopha scabrella*	Common	Apple, Blackthorn, Cotoneaster
456	**17.006**	*Ypsolopha horridella*	Nb	Apple, Blackthorn
464	**18.001**	Diamond-back Moth	Migrant	Brassicaceae
465	**18.003**	*Plutella porrectella*	Common	Dame's-violet
495	**37.016**	*Coleophora spinella*	Common	Rosaceous Trees & Bushes
517	**37.035**	*Coleophora alcyonipennella*	Local	White Clover
518	**37.048**	*Coleophora mayrella*	Common	White Clover
559	**37.093**	*Coleophora peribenanderi*	Common	Thistle, Burdock
647	**28.010**	Brown House-moth	Common	Dead Organic Matter
658	**31.001**	*Carcina quercana*	Common	Deciduous Trees & Bushes
668	**32.003**	*Luquetia lobella*	Local	Blackthorn
688	**32.018**	*Agonopterix heracliana*	Common	Apiaceae, esp. Angelica, Hogweed
772	**35.148**	*Carpatolechia fugitivella*	Local	Elm
801	**35.098**	*Gelechia scotinella*	pRDB2	Blackthorn
814	**35.118**	Beet Moth	Nb	Beet esp. Sea Beet
819	**35.123**	*Scrobipalpa costella*	Common	Bittersweet
843	**35.010**	*Aproaerema anthyllidella*	Local	Kidney-vetch, Sainfoin, Clover
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
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 Ox-tongue
965	**49.136**	*Neocochylis hybridella*	Local	Ox-tongue, Hawk's-beard
970	**49.025**	Barred Fruit-tree Tortrix	Common	Deciduous Trees & Bushes
972	**49.026**	Dark Fruit-tree Tortrix	Common	Deciduous Trees & Bushes
989	**49.031**	Timothy Tortrix	Common	Grasses, Herbaceous plants
993	**49.037**	*Clepsis spectrana*	Common	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, Herbaceous plants
1016	**49.057**	*Cnephasia longana*	Common	Low-growing Herbaceous Plants
1020x	**49.050x**	*Cnephasia sp.*	–	–
1024	**49.049**	*Cnephasia incertana*	Common	Herbaceous plants
1033	**49.059**	Green Oak Tortrix	Common	Woodland trees
1036	**49.062**	*Acleris forsskaleana*	Common	Field Maple, Sycamore
1042	**49.070**	*Acleris rhombana*	Common	Rosaceae
1047	**49.073**	*Acleris schalleriana*	Local	Wayfaring-tree, Guelder-rose
1048	**49.077**	Garden Rose Tortrix	Common	Rosaceous Trees & Shrubs, Herbaceous plants
1053	**49.080**	*Acleris hastiana*	Common	small-leaved Willows
1054	**49.076**	*Acleris cristana*	Common	Rosaceous Trees & Shrubs, esp. Blackthorn
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
1097	**49.186**	*Endothenia gentianaeana*	Common	Teasel
1108	**49.183**	*Lobesia abscisana*	Common	Creeping Thistle

B & F	New	Species Name	National Status	Foodplants
1138	**49.255**	*Epinotia nisella*	Common	Willow, Poplar
1144	**49.237**	*Epinotia signatana*	Local	Cherry, Blackthorn, Apple
1168	**49.281**	*Gypsonoma sociana*	Common	Black Poplar, Aspen
1174	**49.292**	*Notocelia cynosbatella*	Common	Rose, Bramble
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
1251	**49.354**	*Grapholita jungiella*	Common	Bitter & Bush Vetch
1293	**63.080**	*Chrysoteuchia culmella*	Common	Grasses
1301	**63.086**	*Crambus lathoniellus*	Common	Grasses esp. Wavy hair-grass
1302	**63.088**	*Crambus perlella*	Common	Grasses esp. hair-grass, fescue
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
1344	**63.074**	*Eudonia mercurella*	Common	Mosses
1345	**63.114**	Brown China-mark	Common	Pondweed
1356	**63.057**	Garden Pebble	Common	Cabbage, Radish
1362	**63.007**	*Pyrausta purpuralis*	Common	Corn Mint, Thyme
1376	**63.025**	Small Magpie	Common	Common Nettle
1378	**63.018**	Spotted Magpie	Common	Elder, Viburnum, Lilac
1386	**63.016**	*Anania fuscalis*	Local	Wild Marjoram, Thyme etc.
1390	**63.034**	*Udea prunalis*	Common	Herbaceous plants
1398	**63.052**	Rush Veneer	Migrant	Clover, Knotgrass & other Grasses
1405	**63.038**	Mother of Pearl	Common	Common Nettle
1413	**62.075**	Gold Triangle	Common	Dried Vegetable matter
1428	**62.001**	Bee Moth	Common	Honeycomb in Bees nests
1439	**62.035**	*Acrobasis advenella*	Common	Hawthorn, Rowan
1452	**62.029**	*Phycita roborella*	Common	Oak, Apple, Pear
1470	**62.048**	*Euzophera pinguis*	Common	Ash
1481	**62.054**	*Homoeosoma sinuella*	Common	Plantains
1524	**45.044**	*Emmelina monodactyla*	Common	Bindweed
1632	**66.002**	PALE EGGAR	Vulnerable	Oak, Birch, Sallow, Blackthorn, Hawthorn, Hazel, Crab Apple
1640	**66.010**	DRINKER	Common	Grasses
1651	**65.007**	CHINESE CHARACTER	Common	Hawthorn, Blackthorn
1653	**65.009**	BUFF ARCHES	Common	Brambles
1669	**70.305**	COMMON EMERALD	Common	Deciduous Trees & Shrubs
1682	**70.029**	BLOOD-VEIN	Common	Dock, Sorrel, Knotgrass
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
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
1747	**70.067**	STREAMER	Common	Rosaceous plants
1752	**70.087**	PURPLE BAR	Common	Bedstraws
1758	**70.093**	BARRED STRAW	Common	Bedstraws

B & F	New	Species Name	National Status	Foodplants
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
1776	**70.100**	GREEN CARPET	Common	Bedstraws
1795x	**70.107x**	November Moth agg.	Common	Deciduous Trees
1799	**70.106**	WINTER MOTH	Common	Deciduous Trees & Shrubs, Conifers
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
1832	**70.182**	CURRANT PUG	Common	Black & Red Currant, Hop
1834	**70.183**	COMMON PUG	Common	Deciduous Trees & Shrubs, Herbaceous plants
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
1862	**70.141**	DOUBLE-STRIPED PUG	Common	Heather, Broom, Gorse, Ivy, Herbaceous plants
1879	**70.198**	SERAPHIM	Local	Aspen, Poplar
1884	**70.205**	MAGPIE MOTH	Common	Blackthorn, Hawthorn, Privet, Hazel +
1887	**70.207**	CLOUDED BORDER	Common	Aspen, Poplar, Sallow, Hazel
1888	**70.208**	SCORCHED CARPET	Local	Spindle
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
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
1923	**70.244**	FEATHERED THORN	Common	Deciduous Trees & Shrubs
1927	**70.248**	BRINDLED BEAUTY	Common	Deciduous Trees & Shrubs
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
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
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
1994	**71.025**	BUFF-TIP	Common	Deciduous Trees & Shrubs
1998	**71.007**	POPLAR KITTEN	Local	Sallow, Aspen, Poplar
2003	**71.013**	PEBBLE PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2006	**71.018**	LESSER SWALLOW PROMINENT	Common	Birch
2007	**71.017**	SWALLOW PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2011	**71.020**	PALE PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2020	**73.033**	FIGURE OF EIGHT	Endangered	Blackthorn, Hawthorn, Plum, Cherry, Crab Apple
2026	**72.017**	VAPOURER	Common	Deciduous Trees & Shrubs
2030	**72.013**	YELLOW-TAIL	Common	Willow, Sallow, Aspen, Poplar
2033	**72.010**	BLACK ARCHES	Local	Deciduous Trees(mainly Oak), Scot's Pine, Norway Spruce
2038	**72.036**	MUSLIN FOOTMAN	Local	Lichens
2044	**72.044**	DINGY FOOTMAN	Common	Lichens
2047	**72.046**	SCARCE 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
2064	**72.024**	RUBY TIGER	Common	Herbaceous Plants

B & F	New	Species Name	National Status	Foodplants
2069	**72.031**	CINNABAR MOTH	Common	Common Ragwort, Groundsels
2077	**74.003**	SHORT-CLOAKED MOTH	Common	Hawthorn, Blackthorn, Crab Apple, Plum
2078	**74.004**	LEAST BLACK ARCHES	Local	Deciduous Trees
2089	**73.317**	HEART & DART	Common	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
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
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!
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
2190	**73.249**	HEBREW CHARACTER	Common	Deciduous Trees & Shrubs
2192	**73.290**	BROWN-LINE BRIGHT-EYE	Common	Grasses
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
2204	**73.302**	OBSCURE WAINSCOT	Local	Common Reed
2205	**73.301**	SHOULDER-STRIPED WAINSCOT	Common	Grasses
2231	**73.231**	DEEP-BROWN DART	Common	Herbaceous & Woody Plants
2232	**73.233**	BLACK RUSTIC	Common	Low Growing Plants & Grasses
2237	**73.202**	GREY SHOULDER-KNOT	Common	Deciduous Trees & Shrubs
2245	**73.068**	GREEN-BRINDLED CRESCENT	Common	Hawthorn, Blackthorn, Apple
2247	**73.224**	MERVEILLE DU JOUR	Common	Oak
2248	**73.225**	BRINDLED GREEN	Common	Oak
2259	**73.195**	DARK CHESTNUT	Common	Deciduous Trees
2260	**73.197**	DOTTED CHESTNUT	Nb	Blackthorn, Hawthorn, Oak, Sallows, Docks etc.
2266	**73.187**	BROWN-SPOT PINION	Common	Dock, Common Sorrel, Chickweed, Herbaceous plants
2267	**73.186**	BEADED CHESTNUT	Near Threatened	Dock, Dandelion, Chickweed, Grasses, Deciduous Trees
2269	**73.219**	CENTRE-BARRED SALLOW	Common	Ash
2270	**73.193**	LUNAR UNDERWING	Common	Grasses
2272	**73.180**	BARRED SALLOW	Common	Field Maple, Beech
2278	**73.046**	POPLAR GREY	Common	Willow, Sallow, Aspen
2280	**73.040**	MILLER	Common	Birch, Alder, Aspen, Grey Willow, Oak
2283	**73.037**	DARK DAGGER	Common	Deciduous Trees & Shrubs
2284	**73.038**	GREY DAGGER	Common	Deciduous Trees
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
2298	**73.063**	SVENSSON'S COPPER UNDERWING	Common	Deciduous Trees
2302	**73.102**	BROWN RUSTIC	Common	Herbaceous plants
2303	**73.109**	STRAW UNDERWING	Common	Grasses

B & F	New	Species Name	National Status	Foodplants
2306	**73.113**	ANGLE SHADES	Common	Herbaceous plants
2318	**73.216**	DUN-BAR	Common	Deciduous Trees & Shrubs
2321	**73.162**	DARK ARCHES	Common	Grasses
2322	**73.163**	LIGHT ARCHES	Common	Grasses
2326	**73.156**	CLOUDED-BORDERED BRINDLE	Common	Grasses
2327	**73.155**	CLOUDED BRINDLE	Common	Grasses
2330	**73.154**	DUSKY BROCADE	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
2340	**73.176**	MIDDLE-BARRED MINOR	Common	Grasses
2341	**73.172**	CLOAKED MINOR	Common	Grasses
2343x	**73.169x**	Common Rustic agg.	Common	Grasses
2345	**73.147**	SMALL DOTTED BUFF	Common	Tufted Hair-grass
2352	**73.120**	DUSKY SALLOW	Common	Grasses
2353	**73.131**	FLOUNCED RUSTIC	Common	Grasses
2361	**73.123**	ROSY RUSTIC	Common	Herbaceous plants
2364	**73.121**	FROSTED ORANGE	Common	Thistle, Burdock, Hemp-agrimony, Nettles etc.
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
2387	**73.092**	MOTTLED RUSTIC	Common	Herbaceous Plants
2434	**73.012**	BURNISHED BRASS	Common	Herbaceous plants
2436	**73.010**	DEWICK'S PLUSIA	Migrant	Herbaceous plants
2439	**73.022**	GOLD SPOT	Common	Grasses, Sedges, Yellow Iris
2441	**73.015**	SILVER Y	Migrant	Herbaceous plants
2450	**73.001**	SPECTACLE	Common	Common Nettle
2452	**72.078**	RED UNDERWING	Common	Willow, Poplar, Aspen
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	10th October
Arachnid	False Widow Spider (*Steatoda nobilis*)	5	17th April
Beetle	*Necrodes littoralis*	1	17th May
Beetle	Common Cockchafer (*Melolontha melolontha*)	11	17th May
Beetle	Common Cockchafer (*Melolontha melolontha*)	2	13th June
Bird	Barn Owl (*Tyto alba*)	1	17th May
Bird	Barn Owl (*Tyto alba*)	1	22nd August
Bird	Curlew (*Numenius arquata*)	1	17th May
Caddis	*Stenophylax permistus*	2	17th April
Caddis	*Stenophylax permistus*	6	17th May
Caddis	*Stenophylax permistus*	1	10th October
Caddis	Speckled Peter (*Agrypnia varia*)	1	13th June
Caddis	Grouse-wing Caddis (*Mystacides longicornis*)	20	13th June
Caddis	Grouse-wing Caddis (*Mystacides longicornis*)	4	22nd August
Caddis	Cut-out Caddis (*Glyphotaelius pellucidus*)	2	13th September
Caddis	Cut-out Caddis (*Glyphotaelius pellucidus*)	2	10th October
Caddis	Lunatic Caddis (*Limnephilus lunatus*)	22	10th October

Caddis	*Limnephilus auricula*	9	10th October
Mammal	Brown Hare (*Lepus europaeus*)	2	13th June
Shieldbug	Hawthorn Shieldbug (*Acanthosoma haemorrhoidale*)	1	13th June
Shieldbug	Red-legged Shieldbug (*Pentatoma rufipes*)	1	22nd August



Necrodes littoralis 17th May, 2023

Some Photos From Sun Rising 2023



1927 (70.248) **Brindled Beauty** (*Lycia hirtaria*) 17th April, 2023



1251 (49.354) *Grapholita jungiella* 17th May, 2023



1033 (49.059) **Green Oak Tortrix** (*Tortrix viridana*) 13th June, 2023



1413 (62.075) **Gold Triangle** (*Hypsopygia costalis*) 17th July, 2023



15 (3.001) **Orange Swift** (*Triodia sylvina*) 22nd August, 2023



2199 (73.291) **Common Wainscot** (*Mythimna pallens*) 22nd August, 2023



2452 (72.078) **Red Underwing** (*Catocala nupta*) 22nd August, 2023



2248 (73.225) **Brindled Green** (*Dryobotodes eremita*) 13th September, 2023



2272 (73.180) **Barred Sallow** (*Tiliacea aurago*) 13th September, 2023



262 (21.002) ***Lyonetia prunifoliella*** (Mine) 10th October, 2023



2237 (73.202) **Grey Shoulder-knot** (*Lithophane ornitopus*) 10th October, 2023