Sun Rising NBG Moth Survey 2018 – A Brief Review



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Cover Photo: 2273 (73.181) **Pink-barred Sallow** (*Xanthia togata)* 21st August, 2018

All photos in this report taken at Sun Rising by A. Prior (Except where stated) © 2018

Sun Rising NBG Moth Surveys 2018

Introduction

It was a busy year's moth recording at Sun Rising from the first visit in February to the seventh and last in October. To finally get a "real" Summer after a dozen years of waiting was a very welcome contributary factor to managing to record on so many nights. It was also helpful to be able to squeeze visits in at either end of the year and confirming the presence of moths only around at those times of year. It becomes inevitable after so many years recording that finding new species for the site would slow down however, 16% of all the species recorded had not been found at Sun Rising before.

Visit 1 – 19th February, 2018

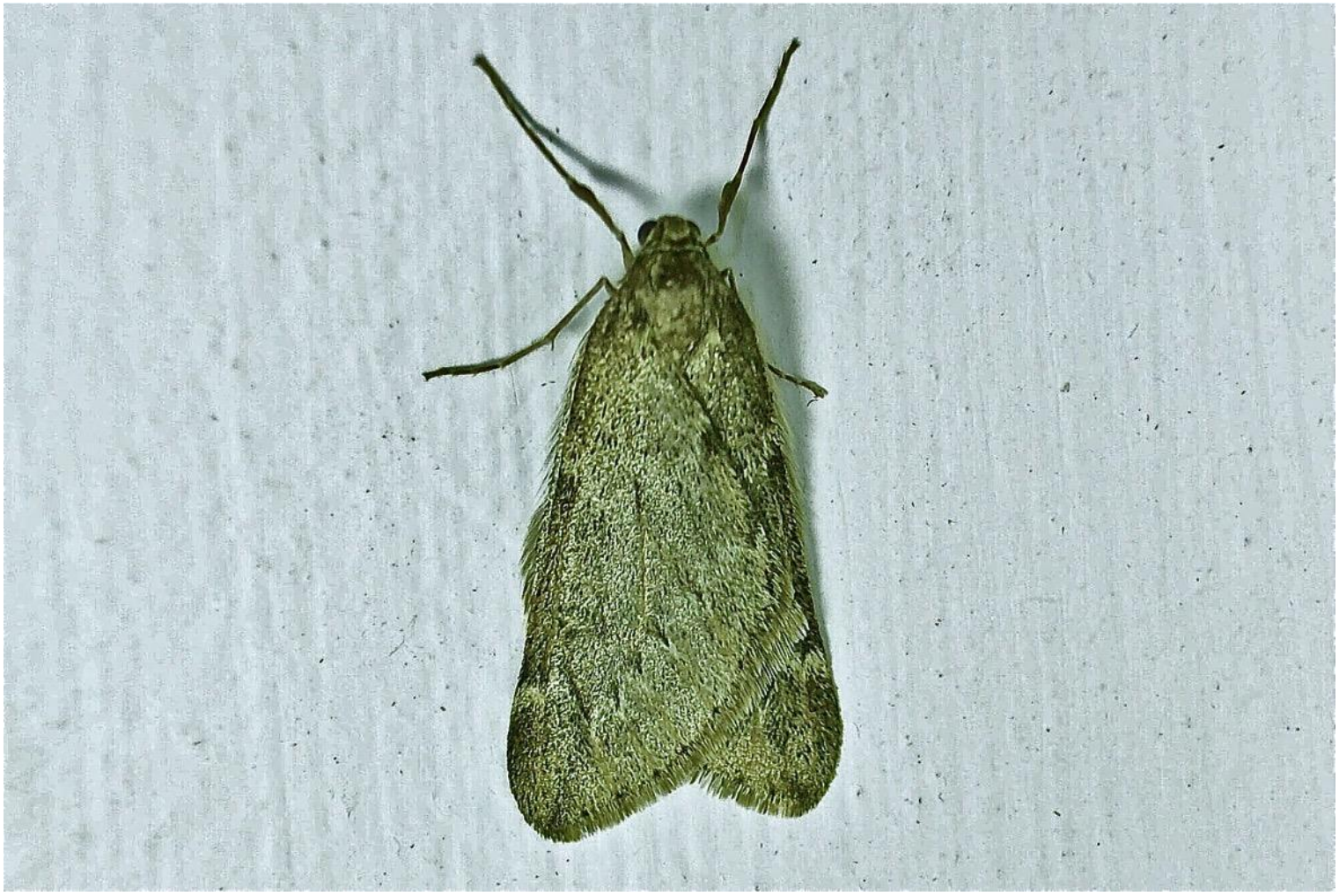
There was a brief window of opportunity in the middle of the month to get the recording year underway. Martin Kennard suggested making a visit to Sun Rising to try and find some of the species missing from the list. Chris Johnson, Steve Chappell and the Pete's, Beasley and Smith managed to join him and nine traps were set up around the site. Unfortunately, I couldn't join them as that was the evening I had a previous commitment. It proved to be a reasonably mild evening, although by the end the northerly breeze was increasing. However, by that time the objective had been achieved and four species were newly recorded for the site. They were ***Mompha jurassicella***, **Pale Brindled Beauty**, **Early Moth** and **Satellite**. So it was a successful start to the year.



1960 **Early Moth** (70.282) (*Theria primaria*)
One of the new species recorded on 19th February, 2018 *(Photo: M. Kennard)*

Visit 2 – 17th April, 2018

It was nice to have enough time to wander round and see all the changes since I was last on site back in August 2017 and witnessing a Hare bounding about at the top of the field was a fine welcome. Peter arrived to join me this evening. There was a slight south-easterly breeze and so the traps were set in their normal sheltered spots by the hedge and the hut. Just as everything was set up Emma and David arrived for a short visit. It was great to see them after so long. Just after they went home we switched on. It was a clear but mild night. Unfortunately the breeze was playing a significant part in why not too many moths were arriving and when it got stronger and switched to more of an easterly we was decided to call it a night. However, it had been productive, as we'd managed to get two new species for the site recorded amongst the mediocre return. They were **Water Carpet** and **Herald**. Also the first adult ***Phyllonorycter blancardella*** was recorded.



1663 (70.245) **March Moth** (*Stauropus fagi*)
Sun Rising 17th April, 2018

Visit 3 – 8th May, 2018

I set off early tonight, as I didn't know what sort of journey I'd have down to Sun Rising. As it turned out, it was OK. Steve was already there when I arrived. He'd had a wander and was looking at some of the moths he'd caught. I went off to find Emma & David who were up at the top car park. After a chat I wandered round the bit of Sun Rising I hadn't since my first ever visit. I saw some Yellowhammer's flitting around the hedge. That was nice, as I haven't seen them for a long time. By the time I made it back to the car park the Pete's had arrived and we got to sorting out trapping spots, as there was a slight breeze. It was a shame that a cold front had passed through during the afternoon as, although it was lovely evening, we expected the night to get cold. Chris had also now arrived and he decided to head out into the unknown! With the lights now on, Emma & David came by and said goodnight on their way home. As expected, due to the clear skies the temperature went down with the sun, although the upside was the wind also disappeared. It was a slow night, but there were some Bats flying around, so that gave us a little hope. Considering the conditions a reasonable list of 25 species had been amassed by the end, five of which were new for the site. They were ***Nematopogon swammerdamella***, ***Parornix devoniella***, ***Elachista apicipunctella***, ***Mompha subbistrigella*** and **Least Black Arches**. It was a relatively early switch off due to the cold.



1640 (66.010) **Drinker** (*Euthrix potatoria*) Larva *(Photo: P. Smith)*
Sun Rising 8th May, 2018

Visit 4 – 19th June, 2018

The weather was OK and it was mild, but a bit breezy. Steve was in the car park already, despite me being half an hour early! Then the Pete's arrived and finally Chris. We all decided to set the traps in the same places as last time and once that was done all we had to do was wait for darkness to descend. David came and said "Hello" to us all and stayed a little while chatting before heading for home. When the lights went on it was a steady night with the continuous arrival of moths to the traps. There was plenty to keep everyone busy and entertained. After one round of the traps and some refreshment it was decided that as the traps were busy we should begin counting up. That took quite a while and it was daylight by the time we'd all finished. Despite most of the night having clear skies the temperature had stayed up well for Sun Rising. Almost 2,000 moths had been counted with more than a dozen new species for the site being found amongst them. They included ***Argyresthia spinosella***, ***Coleophora anatipennella***, ***Zelopherses unitana***, ***Rhodophaea formosa***, **Blue-bordered Carpet** and **Cream-bordered Green Pea**.



2418 (74.011) **Cream-bordered Green Pea** (*Earias clorana*)
A nationally notable species recorded for the first time at Sun Rising on 19th June, 2018

Visit 5 – 10th July, 2018

Peter was first to arrive and was waiting when I pulled into the car park. Chris was next to appear and discussions about where to set the traps was undertaken. Due to Summer being in full swing it would seem wise to follow the one-trap each strategy tonight. After they were set up there was time to watch the glorious sunset before finally switching on. Oddly, the car park was the windiest place and so after a while it was decided to do a round of the traps. They were busy despite the breeze and mine was the busiest, as it was most sheltered. It looked like I would spend a long time counting later on. Peter had always said he wanted to have a go at rolling one of those 'sausage rolls' like hay bales, but of course it was Chris who had a go! He did move it a bit too! After some final refreshments it was decided to start counting up. It took well over an hour and by that time each of the three traps had seen at least one **Garden Tiger** appear in it. So that was a result. We all thought we would have cracked the 100 species despite the breeze and the temperature getting much lower than it had been for ages. It also meant a much more respectable leave time of just after 4 am. A manageable 122 species were recorded with 11 of them being new for the site. Amongst them were ***Tinea trinotella***, ***Elachista maculicerusella***, ***Cnephasia longana***, ***Acrobasis suavella***, **Small Scallop**, **Dark Umber**, **Wormwood Pug** and surprisingly **Dun-bar**!



1792 (70.119) **Dark Umber** (*Philereme transversata*)
Newly recorded at Sun Rising on 10th July, 2018
(This species does tend to get worn quickly)

Visit 6 – 21st August, 2018

I arrived to find Emma and David watering some of the memorial trees. You see what happens when you get a Summer! Extra work! 'Glory mothers' for the night, Martin and Sarah were next to arrive and finally Peter. Chris had to cancel because of car trouble, which was a shame. Just before switching on the lights Emma and David said their farewells. I had my back to the light from my traps and suddenly Martin told me everything had gone off and so I had to take a leisurely stroll to see what was up. It became obvious that the generator needed some oil. After putting some in it ran fine for the rest of the night. We did a tour of the traps with Martin and Sarah before they said their farewells too and so it was down to the usual hard core for Sun Rising of Peter and I. The sky was clear all night, but the air mass was warm and so the temperature didn't drop below 12℃. With no noticeable wind that meant the moths kept on coming. After a final round of the traps it was decided to have one last lot of refreshments and then count up. I counted my trap by the roundhouse first and Peter joined me for that, before we started on the remaining traps separately. That worked well and we finished at the same time. After getting his figures I said "Thank You" to Peter for coming and headed for home. It had been a busy night, but fairly typical of August with a lot of "brown stuff". We managed to get over 60 species with a few new ones for the site, so it had been a successful return to "the field". Some of the species recorded were ***Eulamprotes atrella***, ***Aethes cnicana***, ***Acleris rhombana***, **Pale Eggar**, **Yellow Shell**, **Shark** and **Pink-barred Sallow** (see cover pic).



2216 (73.052) **Shark** (*Cucullia umbratica*)
Sun Rising 21st August, 2018

Visit 7 – 20th October, 2018

With a crazy month of traveling the country and being a bed & Breakfast for around 20 members of various rock bands now over, I made a late decision to try and go to the scheduled moth night at Sun Rising that Martin had kindly taken charge of. My decision was so late that there was no way I could get any of the moth equipment out, as it had been packed and hidden away so well! I decided I'd go as a photographer only. Once everything was switched on Martin went with Peter to the chippy in Kineton, while I stayed and hoped for the odd moth to arrive. They were gone about half an hour and I'd managed to find one **Barred Sallow** in that time. However, they'd done better in the chip shop, as they found three species in there! David had left the key for the hut, so we consumed our dinner in relative luxury. All very civilised! They were lovely chips too. Eventually, it was decided to do a round of the traps and thankfully some moths had now arrived. We weren't expecting that much as we had a clear sky overhead, but there wasn't a breath of wind. Martin's first trap provided the relief of the night, as the target species had already arrived. **Figure of Eight** isn't very common anymore and we knew it would be new for the site. We could all relax after it was found. The good news was that another appeared at a different trap later! Not a bad list was being built as the four traps were investigated. Not too much had been added by the second round and so it was decided to pack up. It had been more successful than expected and five new species for the site were found. Surprisingly, the **Barred Sallow** was one of them, as well as **November Moth** and **Green-brindled Crescent**.



2020 (73.033) **Figure of Eight** (*Diloba caeruleocephala*)
A welcome addition to the Sun Rising list 20th October, 2018

Summary

The facts and figures for the seven visits were:
38 traps set, over 38 hours worth of recording, an average overnight temperature of 9˚C and almost 4,000 individuals representing 291 species of moth recorded with 47 newly recorded at Sun Rising. It was very pleasing to get visits in at either end of the year to find some of those species we would expect to find at Sun Rising.

Acknowledgements

I would like to thank Emma and David for their always warm welcome and enthusiasm for recording the moths at Sun Rising. I would also like to thank Pete Smith, Peter Beasley, Steve Chappell, Martin Kennard and Chris Johnson for contributing greatly on the recording nights.

Appendix I – Recording Details

Visit	Date	Traps	Temp	Time	Species	Recorders
1	19th February, 2018	9	6.8˚C	5h 15m	7	M. Kennard/P. Beasley/P. Smith/C. Johnson/S. Chappell
2	17th April, 2018	3	12.1˚C	4h 15m	10	A. Prior/P. Beasley
3	8th May, 2018	8	3.4˚C	5h 00m	26	A. Prior/ P. Beasley/P. Smith/C. Johnson/S. Chappell
4	19th June, 2018	8	12.4˚C	6h 00m	157	A. Prior/ P. Beasley/P. Smith/C. Johnson/S. Chappell
5	10th July, 2018	3	7.8˚C	5h 45m	122	A. Prior/P. Beasley/C. Johnson
6	21st August, 2018	3	12.1˚C	6h 45m	61	A. Prior/P. Beasley
7	20th October, 2018	4	8.9˚C	5h 15m	20	M. Kennard/P. Beasley/P. Smith/C. Johnson
	TOTALS	38	9˚C Avg.	38h 15m	291	

Appendix II – The Complete List For 2018

B & F	New	Species Name	Feb	Apr	May	Jun	Jul	Aug	Oct	TOTAL	Comment
14	**3.005**	Ghost Moth				11				**11**	
15	**3.001**	Orange Swift						15		**15**	
17	**3.002**	Common Swift				34				**34**	
67	**4.042**	*Stigmella plagicolella*							*2	**0**	*Mines
140	**7.015**	*Nematopogon swammerdamella*			1					**1**	
169	**54.008**	Six-Spot Burnet				3				**3**	
247	**12.033**	*Tinea trinotella*					1			**1**	1m Gen. Det. AP
304	**15.029**	*Parornix devoniella*			1					**1**	1m Gen. Det. AP
308	**15.032**	*Parornix finitimella*			1					**1**	1m Gen. Det. SC
325	**15.045**	*Phyllonorycter mespilella*							*2	**0**	*Mines
326	**15.046**	*Phyllonorycter blancardella*		1						**1**	1m Gen. Det. AP
329	**15.049**	*Phyllonorycter spinicolella*							*1	**0**	*Mine
385	**48.001**	*Anthophila fabriciana*				7				**7**	
417	**20.018**	*Argyresthia spinosella*				1				**1**	
438	**16.017**	*Swammerdamia pyrella*				2				**2**	
441	**16.020**	*Paraswammerdamia nebulella*				2	1			**3**	
448a	**22.003**	*Prays ruficeps*					1			**1**	
449	**22.002**	*Prays fraxinella*				2		1		**3**	Black & White Form
456	**17.006**	*Ypsolopha horridella*						1		**1**	
464	**18.001**	Diamond-back Moth				2	2	1	1	**6**	

B & F	New	Species Name	Feb	Apr	May	Jun	Jul	Aug	Oct	TOTAL	Comment
517	37.035	*Coleophora alcyonipennella*				1	1			2	
518	37.048	*Coleophora mayrella*				3	1			4	
519	37.046	*Coleophora deauratella*						2		2	1m Gen. Det. AP
533	37.049	*Coleophora anatipennella*				1				1	1f Gen. Det. AP
602	38.032	*Elachista apicipunctella*			1					1	1m Gen. Det. AP.
606	38.036	*Elachista humilis*					1			1	
607	38.037	*Elachista canapennella*			2					2	
609	38.039	*Elachista maculicerusella*					1			1	
610	38.004	*Elachista argentella*					1			1	
640	28.015	*Batia lunaris*					1			1	
642	28.014	*Crassa unitella*					2			2	
647	28.010	Brown House-moth			1					1	
648	28.009	White-shouldered House-moth			18					18	
649	28.019	*Esperia sulphurella*			1					1	
658	31.001	*Carcina quercana*					1			1	
688	32.018	*Agonopterix heracliana*	28							28	1m Gen. Det. MK
697	32.017	*Agonopterix arenella*						1	1	2	
726	35.058	*Metzneria metzneriella*				2				2	
731	35.081	*Eulamprotes atrella*						1		1	
765	35.141	*Teleiodes vulgella*				1				1	
787	35.040	*Bryotropha terrella*				3	1			4	
843	35.010	*Aproaerema anthyllidella*				1				1	
868	35.031	*Helcystogramma rufescens*					1			1	
873	41.002	*Blastobasis adustella*						2		2	
874	41.003	*Blastobasis lacticolella*				3	3		2	8	
886	40.002	*Mompha ochraceella*				2	1			3	1m Gen. Det. AP
890	40.006	*Mompha jurassicella*	1							1	1f Gen. Det. MK
892	40.008	*Mompha subbistrigella*			1					1	
905	39.001	*Blastodacna hellerella*					1			1	
937	49.109	*Agapeta hamana*				27	2	2		31	
938	49.110	*Agapeta zoegana*					1			1	
945	49.127	*Aethes cnicana*						2		2	
965	49.136	*Cochylis hybridella*				1				1	
970	49.025	Barred Fruit-tree Tortrix				16	1			17	
972	49.026	Dark Fruit-tree Tortrix				2	1			3	
977	49.013	Large Fruit-tree Tortrix				10	1			11	
980	49.015	Variegated Golden Tortrix				1				1	
989	49.031	Timothy Tortrix				12				12	
990	49.032	*Zelopherses unitana*				1				1	1m Gen. Det.SC
993	49.037	*Clepsis spectrana*				1	1			2	
994	49.038	*Clepsis consimilana*				2	2			4	
1010	49.004	Red-barred Tortrix				1				1	
1011	49.091	*Pseudargyrotoza conwagana*				11				11	
1014	49.002	*Isotrias rectifasciana*				5				5	
1016	49.057	*Cnephasia longana*					1			1	1f AP/MK
1020x	49.050x	*Cnephasia sp.*				5	12			17	
1020	49.050	*Cnephasia stephensiana*					3			3	
1032	49.060	*Aleimma loeflingiana*				3				3	
1036	49.062	*Acleris forsskaleana*					1			1	
1038	49.066	*Acleris laterana*						1		1	
1042	49.070	*Acleris rhombana*						1		1	
1048	49.077	Garden Rose Tortrix						1	1	2	
1063	49.161	*Celypha striana*				7	11			18	
1076	49.166	*Celypha lacunana*				60	4	25		89	
1082	49.157	*Hedya pruniana*				25				25	

B & F	New	Species Name	Feb	Apr	May	Jun	Jul	Aug	Oct	TOTAL	Comment
1083	**49.156**	*Hedya nubiferana*				30				**30**	
1084	**49.158**	*Hedya ochroleucana*				3	1			**4**	
1094	**49.151**	*Apotomis capreana*				1				**1**	
1097	**49.186**	*Endothenia gentianaeana*	*1						*1	**0**	*Larva
1099	**49.188**	*Endothenia marginana*						1		**1**	
1108	**49.183**	*Lobesia abscisana*					8			**8**	
1115	**49.215**	*Ancylis achatana*				3				**3**	
1126	**49.214**	*Ancylis badiana*					2			**2**	
1144	**49.237**	*Epinotia signatana*				2				**2**	
1174	**49.292**	*Notocelia cynosbatella*				1				**1**	
1175	**49.294**	Bramble Shoot Moth				5				**5**	
1176	**49.298**	*Notocelia trimaculana*				4				**4**	
1200	**49.266**	*Eucosma hohenwartiana*				76				**76**	
1201	**49.265**	*Eucosma cana*				128	2			**130**	
1202	**49.264**	*Eucosma obumbratana*				24	1			**25**	
1205	**49.224**	*Spilonota ocellana*					2			**2**	1m Gen. Det. AP
1245	**49.359**	*Grapholita janthinana*				1				**1**	1m Gen. Det. SC
1274	**49.320**	*Dichrorampha alpinana*				4				**4**	3m1f Gen. Det. AP/SC
1293	**63.080**	*Chrysoteuchia culmella*				84	18			**102**	
1301	**63.086**	*Crambus lathoniellus*				17				**17**	
1302	**63.088**	*Crambus perlella*				9	29			**38**	
1304	**63.093**	*Agriphila straminella*					11	2		**13**	
1305	**63.089**	*Agriphila tristella*					9	186		**195**	
1309	**63.095**	*Agriphila geniculea*						1		**1**	
1316	**63.102**	*Catoptria falsella*					3			**3**	
1331	**63.115**	Water Veneer				1	3	9		**13**	
1334	**63.064**	*Scoparia ambigualis*				21	4			**25**	
1338	**63.067**	*Eudonia lacustrata*				4				**4**	
1344	**63.074**	*Eudonia mercurella*				1	1			**2**	
1345	**63.114**	Brown China-mark				11				**11**	
1348	**63.117**	Ringed China-mark				1				**1**	
1361	**63.006**	*Pyrausta aurata*						1		**1**	
1376	**63.025**	Small Magpie				29	2			**31**	
1378	**63.018**	Spotted Magpie				1	1			**2**	
1380	**63.020**	*Anania perlucidalis*				3				**3**	
1388	**63.033**	*Udea lutealis*					2			**2**	
1390	**63.034**	*Udea prunalis*					2			**2**	
1392	**63.037**	*Udea olivalis*				14	2			**16**	
1405	**63.038**	Mother of Pearl					5			**5**	
1413	**62.075**	Gold Triangle					1			**1**	
1415	**62.076**	*Hypsopygia glaucinalis*				1				**1**	
1428	**62.001**	Bee Moth				2				**2**	
1437	**62.038**	*Acrobasis consociella*					1			**1**	
1438	**62.036**	*Acrobasis suavella*					2			**2**	
1445	**62.024**	*Rhodophaea formosa*				2				**2**	
1452	**62.029**	*Phycita roborella*				2	2			**4**	
1481	**62.054**	*Homoeosoma sinuella*				1				**1**	
1483	**62.058**	*Phycitodes binaevella*				1				**1**	
1513	**45.030**	*Pterophorus pentadactyla*				5	2			**7**	
1524	**45.044**	*Emmelina monodactyla*							1	**1**	
1626	**59.010**	Meadow Brown				1	20			**21**	
1629	**59.009**	Ringlet				1				**1**	Adjacent to trap
1632	**66.002**	PALE EGGAR						7		**7**	
1634	**66.003**	LACKEY				7				**7**	
1640	**66.010**	DRINKER			*	1	16			**17**	*Larva

B & F	New	Species Name	Feb	Apr	May	Jun	Jul	Aug	Oct	TOTAL	Comment
1651	**65.007**	CHINESE CHARACTER					1	5		**6**	
1652	**65.008**	PEACH BLOSSOM				3	1			**4**	
1653	**65.009**	BUFF ARCHES				7	1			**8**	
1654	**65.010**	FIGURE OF EIGHTY				1				**1**	
1663	**70.245**	MARCH MOTH		1						**1**	
1667	**70.300**	BLOTCHED EMERALD				1				**1**	
1669	**70.305**	COMMON EMERALD				6				**6**	
1680	**70.036**	MAIDEN'S BLUSH				1				**1**	
1682	**70.029**	BLOOD-VEIN				18	1	1		**20**	
1702	**70.013**	SMALL FAN-FOOTED WAVE				3	3			**6**	
1708	**70.011**	SINGLE-DOTTED WAVE					4			**4**	
1711	**70.012**	TREBLE BROWN SPOT				1				**1**	
1712	**70.015**	SMALL SCALLOP					1			**1**	
1713	**70.016**	RIBAND WAVE				10	4			**14**	
1724	**70.051**	RED TWIN-SPOT CARPET			1					**1**	
1725	**70.052**	DARK-BARRED TWIN-SPOT CARPET					1			**1**	red-barred form
1727	**70.054**	SILVER-GROUND CARPET				10				**10**	
1732	**70.045**	SHADED BROAD-BAR					15			**15**	
1738	**70.061**	COMMON CARPET			1	7		3		**11**	
1742	**70.059**	YELLOW SHELL				21		1		**22**	
1747	**70.067**	STREAMER			1					**1**	
1750	**70.103**	WATER CARPET		2						**2**	
1752	**70.087**	PURPLE BAR				3		2		**5**	
1758	**70.093**	BARRED STRAW				51				**51**	
1760	**70.095**	RED-GREEN CARPET							2	**2**	
1764	**70.097**	COMMON MARBLED CARPET				8				**8**	
1765	**70.085**	BARRED YELLOW				34	1			**35**	
1766	**70.084**	BLUE-BORDERED CARPET				3				**3**	
1773	**70.086**	BROKEN-BARRED CARPET			1					**1**	
1776	**70.100**	GREEN CARPET			2					**2**	
1777	**70.074**	JULY HIGHFLYER					3			**3**	
1792	**70.119**	DARK UMBER					3			**3**	
1795x	**70.107x**	November Moth agg.							22	**22**	
1795	**70.107**	NOVEMBER MOTH							1	**1**	1m Gen. Det. MK
1799	**70.106**	WINTER MOTH (*dead in spiders web*)	*1							**0**	*1m Gen. Det. MK
1830	**70.179**	WORMWOOD PUG					1			**1**	
1852	**70.156**	BRINDLED PUG			3					**3**	
1853	**70.157**	OAK-TREE PUG			2					**2**	
1858	**70.142**	V-PUG				3				**3**	
1860	**70.144**	GREEN PUG				5	1			**6**	
1862	**70.141**	DOUBLE-STRIPED PUG						1		**1**	
1884	**70.205**	MAGPIE MOTH						1		**1**	
1887	**70.207**	CLOUDED BORDER					1			**1**	
1904	**70.224**	SCORCHED WING				4				**4**	
1906	**70.226**	BRIMSTONE MOTH			12	16	4	23		**55**	
1913	**70.234**	CANARY-SHOULDERED THORN						1		**1**	
1914	**70.235**	DUSKY THORN						6		**6**	
1917	**70.237**	EARLY THORN		5			8			**13**	
1921	**70.241**	SCALLOPED OAK					6			**6**	
1922	**70.243**	SWALLOW-TAILED MOTH				2	2			**4**	
1923	**70.244**	FEATHERED THORN							2	**2**	
1926	**70.247**	PALE BRINDLED BEAUTY	7							**7**	
1931	**70.252**	PEPPERED MOTH					2			**2**	
1937	**70.258**	WILLOW BEAUTY				3	5	1		**9**	
1941	**70.265**	MOTTLED BEAUTY				24				**24**	

B & F	New	Species Name	Feb	Apr	May	Jun	Jul	Aug	Oct	TOTAL	Comment
1955	**70.277**	COMMON WHITE WAVE				4				**4**	
1956	**70.278**	COMMON WAVE				1				**1**	
1958	**70.280**	CLOUDED SILVER				29				**29**	
1960	**70.282**	EARLY MOTH	3							**3**	
1961	**70.283**	LIGHT EMERALD				10				**10**	
1976	**69.006**	PRIVET HAWK-MOTH				1				**1**	
1980	**69.002**	EYED HAWK-MOTH				1				**1**	
1981	**69.003**	POPLAR HAWK-MOTH				2	4			**6**	
1991	**69.016**	ELEPHANT HAWK-MOTH				13	1			**14**	
1992	**69.017**	SMALL ELEPHANT HAWK-MOTH				1				**1**	
1994	**71.025**	BUFF-TIP				1				**1**	
2003	**71.013**	PEBBLE PROMINENT			4	2	1	1		**8**	
2020	**73.033**	FIGURE OF EIGHT							2	**2**	
2028	**72.015**	PALE TUSSOCK				1				**1**	
2030	**72.013**	YELLOW-TAIL					25			**25**	
2038	**72.036**	MUSLIN FOOTMAN				1	7			**8**	
2044	**72.044**	DINGY FOOTMAN					1			**1**	
2047	**72.046**	SCARCE FOOTMAN					5			**5**	
2050	**72.045**	COMMON FOOTMAN				3	133			**136**	
2057	**72.026**	GARDEN TIGER					4			**4**	
2060	**72.020**	WHITE ERMINE			1	1				**2**	
2061	**72.019**	BUFF ERMINE				5				**5**	
2064	**72.024**	RUBY TIGER					2			**2**	
2077	**74.003**	SHORT-CLOAKED MOTH				1				**1**	
2078	**74.004**	LEAST BLACK ARCHES			1					**1**	
2087	**73.319**	TURNIP MOTH						1	1	**2**	
2089	**73.317**	HEART & DART				190	18	27		**235**	
2092	**73.325**	SHUTTLE-SHAPED DART						1	1	**2**	
2098	**73.328**	FLAME				30	3			**33**	
2102	**73.329**	FLAME SHOULDER			2	16	2	22		**42**	
2107	**73.342**	LARGE YELLOW UNDERWING				32	6	19	2	**59**	
2109	**73.345**	LESSER YELLOW UNDERWING					1	1		**2**	
2110	**73.343**	BROAD-BORDERED YELLOW UNDERWING					1			**1**	
2111	**73.348**	LESSER BROAD-BORDERED YELLOW UNDERWING						22		**22**	
2112	**73.346**	LEAST YELLOW UNDERWING						1		**1**	
2114	**73.351**	DOUBLE DART				3				**3**	
2120	**73.333**	INGRAILED CLAY				2				**2**	
2123	**73.334**	SMALL SQUARE-SPOT				2		3		**5**	
2126	**73.359**	SETACEOUS HEBREW CHARACTER				40	3	107		**150**	
2128	**73.361**	DOUBLE SQUARE-SPOT				6	5			**11**	
2133	**73.358**	SIX-STRIPED RUSTIC						3		**3**	
2134	**73.357**	SQUARE-SPOT RUSTIC						90		**90**	
2139	**73.336**	RED CHESTNUT			1					**1**	
2160	**73.267**	BRIGHT-LINE BROWN-EYE				14	12			**26**	
2182	**73.245**	SMALL QUAKER		3						**3**	
2186	**73.247**	POWDERED QUAKER			4					**4**	
2187	**73.244**	COMMON QUAKER		14	4					**18**	
2188	**73.242**	CLOUDED DRAB		2	1					**3**	
2190	**73.249**	HEBREW CHARACTER		13	11					**24**	
2192	**73.290**	BROWN-LINE BRIGHT-EYE					23			**23**	
2193	**73.298**	CLAY				4	10			**14**	
2198	**73.293**	SMOKY WAINSCOT				13	64			**77**	
2199	**73.291**	COMMON WAINSCOT				8	8	9		**25**	
2205	**73.301**	SHOULDER-STRIPED WAINSCOT				14				**14**	
2216	**73.052**	SHARK						1		**1**	

B & F	New	Species Name	Feb	Apr	May	Jun	Jul	Aug	Oct	TOTAL	Comment
2232	73.233	BLACK RUSTIC							10	10	
2245	73.068	GREEN-BRINDLED CRESCENT							5	5	
2247	73.224	MERVEILLE DU JOUR							1	1	
2256	73.210	SATELLITE	2	1						3	
2258	73.194	CHESTNUT	2							2	
2259	73.195	DARK CHESTNUT	10						4	14	
2262	73.192	BRICK							3	3	
2266	73.187	BROWN-SPOT PINION						1		1	
2267	73.186	BEADED CHESTNUT							4	4	
2269	73.219	CENTRE-BARRED SALLOW						19		19	
2272	73.180	BARRED SALLOW							1	1	
2273	73.181	PINK-BARRED SALLOW						1		1	
2278	73.046	POPLAR GREY				3	2			5	
2283	73.037	DARK DAGGER				6				6	1m Gen. Det. AP
2284x	73.038x	Dark/Grey Dagger					3			3	
2291	73.047	CORONET				9	3			12	
2297	73.062	COPPER UNDERWING						2		2	
2299	73.064	MOUSE MOTH						2	1	3	
2302	73.102	BROWN RUSTIC				12				12	
2303	73.109	STRAW UNDERWING						3		3	
2306	73.113	ANGLE SHADES				4		2		6	
2314	73.222	DINGY SHEARS					1			1	
2318	73.216	DUN-BAR					8			8	
2319	73.217	LUNAR-SPOTTED PINION					1			1	
2321	73.162	DARK ARCHES				140	238			378	
2322	73.163	LIGHT ARCHES				20	13			33	
2326	73.156	CLOUDED-BORDERED BRINDLE				1				1	
2327	73.155	CLOUDED BRINDLE				1				1	
2330	73.154	DUSKY BROCADE				1				1	
2333	73.157	LARGE NUTMEG				1				1	
2334	73.158	RUSTIC SHOULDER-KNOT				2				2	
2337x	73.173x	Marbled Minor agg.				81	4			85	
2340	73.176	MIDDLE-BARRED MINOR				41				41	
2341	73.172	CLOAKED MINOR					1			1	
2343x	73.169x	Common Rustic agg.					18	2		20	
2345	73.147	SMALL DOTTED BUFF					1			1	
2352	73.131	DUSKY SALLOW					16			16	
2353	73.131	FLOUNCED RUSTIC						16		16	
2361	73.123	ROSY RUSTIC						5		5	
2380	73.101	TREBLE LINES				8				8	
2381	73.096	UNCERTAIN				14	96			110	
2382	73.097	RUSTIC				4	13	1		18	
2387	73.092	MOTTLED RUSTIC				9	1			10	
2418	74.011	CREAM-BORDERED GREEN PEA				1				1	
2434	73.012	BURNISHED BRASS				2	3	1		6	
2441	73.015	SILVER Y					4	2		6	
2443	73.017	PLAIN GOLDEN Y				4				4	
2450	73.001	SPECTACLE				1				1	
2469	72.001	HERALD		1						1	
2473	72.069	BEAUTIFUL HOOK-TIP				16	1			17	
2474	72.002	STRAW DOT				83		18		101	
2477	72.003	SNOUT				15	2			17	
2489	72.053	FAN-FOOT				7				7	
2492	72.055	SMALL FAN-FOOT				2				2	
291	47		53	43	79	1957	1051	691	68	3942	

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
140	7.015	*Nematopogon swammerdamella*	Common	Dead Leaves
169	54.008	Six-Spot Burnet	Common	Common Bird's-foot-trefoil
247	12.033	*Tinea trinotella*	Common	Bird's Nests, Wool Remains
304	15.029	*Parornix devoniella*	Common	Hazel
308	15.032	*Parornix finitimella*	Common	Blackthorn
325	15.045	*Phyllonorycter mespilella*	**Nb**	Whitebeam, Pear
326	15.046	*Phyllonorycter blancardella*	Common	Apple
329	15.049	*Phyllonorycter spinicolella*	Common	Blackthorn, Wild Plum
385	48.001	*Anthophila fabriciana*	Common	Nettle
417	20.018	*Argyresthia spinosella*	Common	Blackthorn
438	16.017	*Swammerdamia pyrella*	Common	Hawthorn, Apple, Pear
441	16.020	*Paraswammerdamia nebulella*	Common	Hawthorn, Rowan
448a	22.003	*Prays ruficeps*	Unknown	Ash
449	22.002	*Prays fraxinella*	Common	Ash
456	17.006	*Ypsolopha horridella*	**Nb**	Apple, Blackthorn
464	18.001	Diamond-back Moth	Migrant	Brassicacea
517	37.035	*Coleophora alcyonipennella*	Local	White Clover
518	37.048	*Coleophora mayrella*	Common	White Clover
519	37.046	*Coleophora deauratella*	Local	Red Clover
533	37.049	*Coleophora anatipennella*	Local	Rosaceous Trees
602	38.032	*Elachista apicipunctella*	Local	Grasses
606	38.036	*Elachista humilis*	Common	Grasses, Sedges
607	38.037	*Elachista canapennella*	Common	Grasses
609	38.039	*Elachista maculicerusella*	Common	Grasses
610	38.004	*Elachista argentella*	Common	Grasses
640	28.015	*Batia lunaris*	Common	Lichens, Dead Bark, Old Galls
642	28.014	*Crassa unitella*	Common	Dead Wood
647	28.010	Brown House-moth	Common	Dead Organic Matter
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
688	32.018	*Agonopterix heracliana*	Common	Apiaceae, esp. Angelica, Hogweed
697	32.017	*Agonopterix arenella*	Common	Apiaceae
726	35.058	*Metzneria metzneriella*	Common	Knapweed, Saw-wort
731	35.081	*Eulamprotes atrella*	Local	St. John's-wort
765	35.141	*Teleiodes vulgella*	Common	Blackthorn, Hawthorn
787	35.040	*Bryotropha terrella*	Common	Mosses, Grasses
843	35.010	*Aproaerema anthyllidella*	Local	Kidney-vetch, Sanfoin, Clover
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
890	40.006	*Mompha jurassicella*	**Na**	Great Willowherb
892	40.008	*Mompha subbistrigella*	Common	Broad-leaved Willowherb
905	39.001	*Blastodacna hellerella*	Common	Hawthorn
937	49.109	*Agapeta hamana*	Common	Thistles
938	49.110	*Agapeta zoegana*	Common	Common Knapweed, Scabious

B & F	New	Species Name	National Status	Foodplants
945	49.127	*Aethes cnicana*	Common	Thistles
965	49.136	*Cochylis hybridella*	Local	Oxtongue, 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
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
990	49.032	*Zelopherses unitana*	Na	Grasses, Herbaceous plants
993	49.037	*Clepsis spectrana*	Common	Herbaceous plants
994	49.038	*Clepsis consimilana*	Common	Polyphagous
1010	49.004	Red-barred Tortrix	Common	Trees & Shrubs, Herbacous plants
1011	49.091	*Pseudargyrotoza conwagana*	Common	Ash, Wild Privet
1014	49.002	*Isotrias rectifasciana*	Local	Hawthorn, Elm
1016	49.057	*Cnephasia longana*	Common	Low-growing Herbaceous Plants
1020x	49.050x	*Cnephasia sp.*	–	–
1020	49.050	*Cnephasia stephensiana*	Common	Herbaceous plants
1032	49.060	*Aleimma loeflingiana*	Common	Oak, Hornbeam, Field Maple
1036	49.062	*Acleris forsskaleana*	Common	Field Maple, Sycamore
1038	49.066	*Acleris laterana*	Common	Roseaceous Trees & Shrubs, Willow, Bilberry
1042	49.070	*Acleris rhombana*	Common	Rosaceae
1048	49.077	Garden Rose Tortrix	Common	Roseaceous Trees & Shrubs, Herbaceous plants
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	Roseaceous Trees & Shrubs
1084	49.158	*Hedya ochroleucana*	Common	Rose, Apple
1094	49.151	*Apotomis capreana*	Local	Goat-willow
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
1115	49.215	*Ancylis achatana*	Common	Blackthorn, Hawthorn etc.
1126	49.214	*Ancylis badiana*	Common	Pea, Vetch, Clover
1144	49.237	*Epinotia signatana*	Local	Cherry, Blackthorn, Apple
1174	49.292	*Notocelia cynosbatella*	Common	Rose, Bramble
1175	49.294	Bramble Shoot Moth	Common	Bramble
1176	49.298	*Notocelia trimaculana*	Common	Hawthorn
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
1245	49.359	*Grapholita janthinana*	Common	Hawthorn
1274	49.320	*Dichrorampha alpinana*	Local	Oxeye Daisy
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
1304	63.093	*Agriphila straminella*	Common	Grasses
1305	63.089	*Agriphila tristella*	Common	Grasses esp. hair-grass, meadow-grass
1309	63.095	*Agriphila geniculea*	Common	Grasses
1316	63.102	*Catoptria falsella*	Common	Mosses
1331	63.115	Water Veneer	Common	submerged pond & freshwater plants
1334	63.064	*Scoparia ambigualis*	Common	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

B & F	New	Species Name	National Status	Foodplants
1361	63.006	*Pyrausta aurata*	Common	Dead-nettle, Mint
1376	63.025	Small Magpie	Common	Common Nettle
1378	63.018	Spotted Magpie	Common	Elder, Viburnum, Lilac
1380	63.020	*Anania perlucidalis*	Common	Thistles
1388	63.033	*Udea lutealis*	Common	Herbaceous plants
1390	63.034	*Udea prunalis*	Common	Herbaceous plants
1392	63.037	*Udea olivalis*	Common	Herbaceous plants
1405	63.038	Mother of Pearl	Common	Common Nettle
1413	62.075	Gold Triangle	Common	Dried Vegetable matter
1415	62.076	*Hypsopygia glaucinalis*	Common	Decaying vegetation & roots
1428	62.001	Bee Moth	Common	Honeycomb in Bees nests
1437	62.038	*Acrobasis consociella*	Local	Oak
1438	62.036	*Acrobasis suavella*	Local	Blackthorn
1445	62.024	*Rhodophaea formosa*	Local	Elm
1452	62.029	*Phycita roborella*	Common	Oak, Apple, Pear
1481	62.054	*Homoeosoma sinuella*	Common	Plantains
1483	62.058	*Phycitodes binaevella*	Common	Thistle
1513	45.030	*Pterophorus pentadactyla*	Common	Bindweed
1524	45.044	*Emmelina monodactyla*	Common	Bindweed
1626	59.010	Meadow Brown	Common	Grasses
1629	59.009	Ringlet	Common	Tall Grasses
1632	66.002	PALE EGGAR	Common	Oak, Birch, Sallow, Blackthorn,Hawthorn, Hazel, Crab Apple
1634	66.003	LACKEY	Common	Deciduous Trees & Shrubs
1640	66.010	DRINKER	Common	Grasses
1651	65.007	CHINESE CHARACTER	Common	Hawthorn, Blackthorn
1652	65.008	PEACH BLOSSOM	Common	Peach Blossom
1653	65.009	BUFF ARCHES	Common	Brambles
1654	65.010	FIGURE OF EIGHTY	Common	Aspen, Poplar
1663	70.245	MARCH MOTH	Common	Deciduous Trees
1667	70.300	BLOTCHED EMERALD	Local	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
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
1711	70.012	TREBLE BROWN SPOT	Local	Herbaceous plants
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	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	Roseaceous plants
1750	70.103	WATER CARPET	Common	Bedstraws
1752	70.087	PURPLE BAR	Common	Bedstraws
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	Roseaceous 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

B & F	New	Species Name	National Status	Foodplants
1792	70.119	DARK UMBER	Local	Buckthorn, Alder Buckthorn
1795x	70.107x	November Moth agg.	Common	Deciduous Trees
1795	70.107	NOVEMBER MOTH	Common	Deciduous Trees
1799	70.106	WINTER MOTH	Common	Deciduous Trees & Shrubs, Conifers
1830	70.179	WORMWOOD PUG	Common	Herbaceous plants
1852	70.156	BRINDLED PUG	Common	Oak, Hawthorn
1853	70.157	OAK-TREE PUG	Common	Oak, Hawthorn
1858	70.142	V-PUG	Common	Blackthorn
1860	70.144	GREEN PUG	Common	Hawthorn, Blackthorn, Crab-apple
1862	70.141	DOUBLE-STRIPED PUG	Common	Heather, Broom, Gorse,Ivy, Herbaceous plants
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	Common	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
1926	70.247	PALE BRINDLED BEAUTY	Common	Deciduous Trees & Shrubs
1931	70.252	PEPPERED MOTH	Common	Deciduous Trees & Shrubs, Herbaceous plants
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
1960	70.282	EARLY MOTH	Common	Blackthorn, Hawthorn
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, Fuschia etc
1992	69.017	SMALL ELEPHANT HAWK-MOTH	Local	Bedstraws
1994	71.025	BUFF-TIP	Common	Deciduous Trees & Shrubs
2003	71.013	PEBBLE PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2020	73.033	FIGURE OF EIGHT	Common	Blackthorn, Hawthorn, Plum, Cherry, Crab Apple
2028	72.015	PALE TUSSOCK	Common	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
2050	72.045	COMMON FOOTMAN	Common	Lichens
2057	72.026	GARDEN TIGER	Common	Herbaceous Plants
2060	72.020	WHITE ERMINE	Common	Herbaceous Plants
2061	72.019	BUFF ERMINE	Common	Herbaceous Plants
2064	72.024	RUBY TIGER	Common	Herbaceous Plants
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
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

B & F	New	Species Name	National Status	Foodplants
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
2114	73.351	DOUBLE DART	Common	Birch, Sallow, Blackthorn, Hawthorn & Herbaceous plants
2120	73.333	INGRAILED 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
2160	73.267	BRIGHT-LINE BROWN-EYE	Common	Herbaceous plants
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
2190	73.249	HEBREW CHARACTER	Common	Deciduous Trees & Shrubs
2192	73.290	BROWN-LINE BRIGHT-EYE	Common	Grasses
2193	73.298	CLAY	Common	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
2232	73.233	BLACK RUSTIC	Common	Low Growing Plants & Grasses
2245	73.068	GREEN-BRINDLED CRESCENT	Common	Hawthorn, Blackthorn, Apple
2247	73.224	MERVEILLE DU JOUR	Common	Oak
2256	73.210	SATELLITE	Common	Oak, Beech, Aspen, Sallow, Hawthorn
2258	73.194	CHESTNUT	Common	Deciduous Trees & Shrubs
2259	73.195	DARK CHESTNUT	Common	Deciduous Trees
2262	73.192	BRICK	Common	Sallow,Aspen, Poplar, Ash, Wych Elm
2266	73.187	BROWN-SPOT PINION	Common	Dock, Common Sorrel, Chickweed, Herbaceous plants
2267	73.186	BEADED CHESTNUT	Common	Dock, Dandelion, Chickweed, Grasses, Decidous Trees
2269	73.219	CENTRE-BARRED SALLOW	Common	Ash
2272	73.180	BARRED SALLOW	Common	Field Maple, Beech
2273	73.181	PINK-BARRED SALLOW	Common	Sallow, Poplar, Herbaceous plants
2278	73.046	POPLAR GREY	Common	Willow, Sallow, Aspen
2283	73.037	DARK DAGGER	Common	Deciduous Trees & Shrubs
2284x	73.038x	Dark/Grey Dagger	Common	Deciduous Trees & Shrubs
2291	73.047	CORONET	Local	Ash, Wild Privet
2297	73.062	COPPER UNDERWING	Common	Deciduous Trees & Shrubs
2299	73.064	MOUSE MOTH	Common	Elm, Hawthorn, Sallow, Herbaceous palnts
2302	73.102	BROWN RUSTIC	Common	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
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
2333	73.157	LARGE NUTMEG	Local	Grasses
2334	73.158	RUSTIC SHOULDER-KNOT	Common	Grasses

B & F	New	Species Name	National Status	Foodplants
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	73.131	DUSKY SALLOW	Common	Grasses
2353	73.131	FLOUNCED RUSTIC	Common	Grasses
2361	73.123	ROSY RUSTIC	Common	Herbaceous plants
2380	73.101	TREBLE LINES	Common	Herbaceous plants
2381	73.096	UNCERTAIN	Common	Herbaceous Plants
2382	73.097	RUSTIC	Common	Herbaceous Plants
2387	73.092	MOTTLED RUSTIC	Common	Herbaceous Plants
2418	74.011	CREAM-BORDERED GREEN PEA	Nb	Osier, Sallow, Willow
2434	73.012	BURNISHED BRASS	Common	Herbaceous plants
2441	73.015	SILVER Y	Migrant	Herbaceous plants
2443	73.017	PLAIN GOLDEN Y	Common	Herbaceous plants
2450	73.001	SPECTACLE	Common	Common Nettle
2469	72.001	HERALD	Common	Willow, Sallow, Poplar
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
2492	72.055	SMALL FAN-FOOT	Common	Oak, Alder, Bramble, Small-leaved Lime



1036 (49.062) ***Acleris forsskaleana***
Newly recorded species at Sun Rising 10th July, 2018

Appendix IV – Other Wildlife Recorded During Survey

Amphibian	Smooth Newt (*Lissotriton vulgaris*)	**5**	19th February, 2018
Amphibian	Great Crested Newt (*Triturus cristatus*)	**3**	19th February, 2018
Beetle	Common Cockchafer (*Melolontha melolontha*)	**4**	8th May, 2018
Bird	Woodcock (*Scolopax rusticola*)	**1**	19th February, 2018
Caddis	Cut-out Caddis (*Glyphotaelius pellucidus*)	**1**	10th July, 2018
Caddis	Cut-out Caddis (*Glyphotaelius pellucidus*)	**1**	21st August, 2018
Caddis	Grouse-wing Caddis (*Mystacides longicornis*)	**1**	19th June, 2018
Caddis	Grouse-wing Caddis (*Mystacides longicornis*)	**6**	10th July, 2018
Caddis	Grouse-wing Caddis (*Mystacides longicornis*)	**2**	21st August, 2018
Caddis	Lunatic Caddis (*Limnephilus lunatus*)	**1**	19th June, 2018
Caddis	Lunatic Caddis (*Limnephilus lunatus*)	**2**	10th July, 2018
Caddis	Lunatic Caddis (*Limnephilus lunatus*)	**3**	20th October, 2018
Caddis	Speckled Peter (*Agrypnia varia*)	**3**	19th June, 2018
Caddis	Speckled Peter (*Agrypnia varia*)	**1**	10th July, 2018
Caddis	*Stenophylax permistus*	**1**	19th June, 2018
Mammal	Brown Hare (*Lepus europaeus*)	**1**	17th April, 2018
Mammal	Brown Hare (*Lepus europaeus*)	**2**	10th July, 2018
Spider	*Nuctenea umbratica*	**5**	19th February, 2018

Some Photos From Sun Rising 2018



697 (32.017) *Agonopterix arenella* 21st August, 2018



1099 (49.188) *Endothenia marginana* 21st August, 2018



2266 (73.187) **Brown-spot Pinion** (*Agrochola litura*) 21st August, 2018



1732 (70.045) **Shaded Broad-bar** (*Scotopteryx chenopodiata*) 10th July, 2018



1923 (70.244) **Feathered Thorn** (*Colotois pennaria*) 20th October, 2018



2245 (73.068) **Green-brindled Crescent** (*Allophyes oxyacanthae*) 20th October, 2018



Sunset at Sun Rising 10th July, 2018