Sun Rising NBG Moth Survey 2022 – A Brief Review



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1653 (65.009) **Buff Arches** (*Habrosyne pyritoides)* 13th May, 2022

Cover Photo: 1904 (70.224) **Scorched Wing** (*Plagodis dolabraria)* 13th May, 2022

All photos in this report taken at Sun Rising by A. Prior (unless stated) © 2022

Sun Rising NBG Moth Surveys 2022

Introduction

2022 proved to be one of the more consistent years weather wise. Apart from the delay to the first visit, all the others were able to be made on the scheduled date. The five visits all produced records of new species for Sun Rising, which provides evidence that the continued recording is very valuable in finding what sort of species may be moving onto the site. The reasonably high starting temperatures were helpful although none of the nights were particularly mild by the end, but the lack of wind when recording was undertaken certainly made them more productive than last year.

Visit 1 – 13th May, 2022

The first visit of the year was delayed by a few nights due to poor weather. It was a decision that proved fruitful. It didn't come as a surprise that two traps were set up by the cabin and along the hedge down from there. Hearing Willow Warblers for the first time this year provided the audio backdrop to lots of moths flying and a list was begun whilst setting up. They were mostly **Green Carpet**. Due to the clear skies, there was some time before the need for switching on the traps and so a wander up to see what the new building work was looking like at the other end of the site was made. Almost on my arrival Martin's LED light came on and so I knew he'd arrived. He waited for me to join him in the corner of the new car park and we surveyed the new shed like structure that was nowhere near finished. After wandering back I got my traps up and running too. It wasn't too bad a night, much better than the original date would have been and after a couple of hours or so a round of the four traps was done. Martin had set up another actinic in the corner on the other side of the hedge from the car park. By now the slight breeze had disappeared completely and so things were flying. A nice range of species was slowly built on the tour. The downside of the wind going was that it started to get a bit cool and dewy. After refreshments Martin decided to pack up his traps, as he'd been at work all day. With that done Martin headed for home and I started to pack the last two traps up. It took about an hour and I was on my way home before 3 am, although there was a slight delay to start with as a Roe Deer typically couldn't decide which way it wanted to go to get off the road until it found a gap in the hedge! The night had produced a pleasing four new species to be added to the Sun Rising list. They were: ***Nematopogon schwarziellus***, ***Depressaria ultimella***, **Twenty-plume Moth** and **Rivulet**.



1802 **Rivulet** (70.132) (*Perizoma affinitata*) 13th May, 2022

Visit 2 – 14th June, 2022

It was a solo visit in June and as there was nobody else to worry about it was all very leisurely and I managed to get all three traps ready before switching them on at 10 pm. Because of the clear skies I had plenty of time to work out where to set up the traps. The actinic trap was set up on the track up to the roundhouse and I got enthralled watching three Pipistrelle Bats going up and down the track. With a backdrop of a fading weak blue, orange and purple sky the bats put on a mesmerising display of flying and I watched for a good quarter of an hour or so. I thought at times it was like they were in aerial com-bat! The traps weren't overly busy early on, as it was a bit chilly thanks to the lack of cloud cover, but there was always something interesting appearing. The bone-chilling cry of a Barn Owl was heard at one point, but at least I knew what it was. I began counting up at 1:30 am and it took a couple of hours to get everything counted, packed up and back in the car before heading home. Some nice moths were seen and getting just short of 80 species on such a cool night was a good result too. It had been a very enjoyable night. **Pea Moth** was the only new species for Sun Rising tonight. Amongst the other species recorded were ***Zelopherses unitana***, ***Anania fuscalis***, ***Homoeosoma sinuella***, **Lackey**, **Peppered Moth**, **Elephant Hawk-moth** and **Gold Spot**.



1257 (49.324) **Pea Moth** (*Cydia nigricana*) 14th June, 2022



1481 (62.054) ***Homoeosoma sinuella*** 14th June, 2022

Visit 3 – 12th July, 2022

It was an interesting journey down to Sun Rising for the July visit. Nearing my destination I narrowly missed hitting a Muntjac Deer that ran across the road in front of me! Then I could see a rainbow in the distance and the sun was fully out behind me. It even became a bright double rainbow at one point. On arrival in the car park the rainbow was still visible, but it hadn't rained here. It was not long after 9 pm and I had time to wander up to see how the new buildings were going and saw three Brown Hare on the journey. Then it was time to set up the traps. It was just me again tonight and just after 10 pm when the traps were switched on. The moths immediately started arriving… and they didn't stop all night. After a couple of hours the sky had completely cleared, but things didn't appear to slow down and so I started to count early. The first trap was all packed up and done by 2:15 am, but it would be another hour and a half before the final trap light went off. I was shutting the gate behind me at 4:15 am and on my way home very satisfied with my efforts. Another seven new species were found at Sun Rising tonight and they were: ***Scythropia crataegella***, ***Aproaerema larseniella***, ***Brachmia blandella***, ***Oegoconia quadripuncta***, ***Acleris holmiana***, ***Bactra lancealana*** and ***Gypsonoma oppressana***. Amongst the larger moths were: **Common Emerald**, **Brown Scallop**, **Muslin Footman**, **Garden Tiger**, **Lunar-spotted Pinion** and **Fan-foot**.



450 (25.001) *Scythropia crataegella* 12th July, 2022



1037 (49.061) *Acleris holmiana* 12th July, 2022

Visit 4 – 6th August, 2022

After booking my friend Peter Cranswick from Slimbridge WWT to give his moth talk 3½ years ago, he finally got the chance to do it tonight! Driving passed I saw a lot of cars in the top car park while carrying on to my normal car park. Martin was already there and said that Peter had just been down to see if we'd arrived. Being five minutes late, I'd just missed him. Martin was running off my power source tonight as I was only running the one trap by the cabin. Pete Smith arrived just before I set up my trap. Once that was ready I wandered up to the other end of Sun Rising to listen to a bit of Peter's talk. He was on top form with the talk and it was just as informative and entertaining as always. There were quite a few people too all enjoying learning about the importance of moths. Peter had also set up a couple of traps by the new fully roofed Longhouse. With dusk falling I headed back to switch on before returning for the last bit of the talk. When it was all done, everyone had a cuppa and a munch before the group was split up and some came with Martin, Pete & I whilst the rest went to see Peter's traps. It worked really well and everybody got to see the moths comfortably. Everyone was having a good time and there was much laughter every so often. I collected some of the moths in pots so Peter's group wouldn't miss out and took them back to the Longhouse. Emma had thankfully cleared a table ready for the arrival of the moths. There were quite a few nice ones for saying it was a very early round of the traps that had been done. Peter was still enthralling his crowd around one of his traps and so Martin and Pete managed to sneak in a cuppa and a biscuit. We had some different species at the other end of the site from Peter and vice versa. Some people stayed quite late, which was unusual, but very encouraging. As the last guests finally headed home the counting up began. Everything was all done by 4:30 am and a quarter of an hour later I was the last to head home. The event had been very successful with some people even saying they were going to buy their own trap now! The event also managed to add another eight species to the Sun Rising list. They were: ***Coptotriche marginea***, ***Yponomeuta rorrella***, ***Blastodacna atra***, ***Neocochylis molliculana***, ***Epiblema costipunctana***, ***Lathronympha strigana***, **Tawny Speckled Pug** and **Plain Pug**.



The moth talk in progress 6th August, 2022

Visit 5 – 13th September, 2022

For this visit it appeared Sun Rising was between two very different areas of weather. To the south it was dark and probably raining quite hard and to the north it was mostly clear skies. Sun Rising was underneath some patchy high cloud. It was quite warm and I'd arrived in time to see a most spectacular sunset. I was just working out where to put the traps because of the slight North-easterly breeze when Emma and David arrived. They got on with some jobs whilst I got to work setting up the three traps. It was just me again tonight and with jobs done and the traps switched on, I finally had time to chat with Emma and David for a while before they headed home. It was a relaxing evening and when looking in the traps a nice little list started to build. I wasn't expecting to be overwhelmed tonight, as it's a bit of a changeover period from late summer to early autumn moths. Indeed, I got some of each with some migrants too. I heard a Barn Owl again and also, for the first time at Sun Rising, a Fox calling. The time went by quite quickly and it was soon time to start packing up, as I didn't have any petrol to refill the generator and had three traps running. The far trap by the grass clippings store was done by 1 am. The actinic took a while, as it had the most moths in due to it being the most visible. That was finished by about ten to two. The temperature had dropped significantly by now and the final light went off at 2:30 am. Not running out of petrol was a bonus, so that plan had worked. With everything loaded back in the car I was soon on my way home having added another couple of species to the year's list of new ones. They were **Beet Moth** and **Barred Hook-tip**. Amongst the others recorded were **Orange Swift**, **Rush Veneer**, ***Stenoptilia bipunctidactyla***, **Vestal**, **Dark Sword-grass**, **White-point**, **Black Rustic**, **Beaded Chestnut** and **Sallow**.



1398 (63.052) **Rush Veneer** (*Nomophila noctuella*) 13th September, 2022

Summary

The facts and figures for the five visits were:
18 traps set, over 30 hour's worth of recording, an average overnight temperature of 7.9˚C, 2,601 individuals recorded representing 275 species with 22 newly recorded at Sun Rising. In addition on 14th July Emma managed to observe and photograph ***Nemophora metallica***, which is not only a new species for Sun Rising but also only a 4th record for Warwickshire. (see pic below) 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 580.



147 (7.002) *Nemophora metallica* 14th July, 2022

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, Pete Smith and Peter Cranswick 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	13th May, 2022	4	4.4˚C	5h 20m	41	A. Prior/M. Kennard
2	14th June, 2022	3	6.4˚C	5h 15m	77	A. Prior
3	12th July, 2022	2	11.9˚C	5h 45m	127	A. Prior
4	6th August, 2022	6	7.2˚C	7h 30m	122	A. Prior/P. Smith/M. Kennard/P. Cranswick
5	13th September, 2022	3	9.6˚C	6h 30m	43	A. Prior
	TOTALS	18	7.9˚C Avg.	30h 20m	275	

Appendix II – The Complete List For 2022

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	TOTAL	Comment
15	3.001	Orange Swift				7	1	8	
17	3.002	Common Swift		14				14	
125	10.003	*Coptotriche marginea*				1		1	1f Gen. Det. MK
141	7.012	*Nematopogon schwarziellus*	10					10	1m Gen. Det. MK
147	7.002	*Nemophora metallica*			*1			0	*14/7 ERO
266	14.002	*Bucculatrix nigricomella*			1			1	
303	15.028	*Parornix anglicella*	1					1	1f Gen. Det. MK/1st Adult
309	15.033	*Parornix torquillella*				3		3	1f Gen. Det. MK
391	19.007	*Glyphipterix simpliciella*	1					1	
419	20.020	*Argyresthia semifusca*				1		1	
422	20.023	*Argyresthia albistria*				1		1	
424	16.001	*Yponomeuta evonymella*			3	2		5	
425	16.002	*Yponomeuta padella*			1			1	
426	16.003	*Yponomeuta malinellus*				37		37	
428	16.005	*Yponomeuta rorrella*				5		5	
440	16.019	*Paraswammerdamia albicapitella*		1				1	
441	16.020	*Paraswammerdamia nebulella*			4			4	
450	25.001	*Scythropia crataegella*			6			6	
455	17.005	*Ypsolopha scabrella*				6		6	
456	17.006	*Ypsolopha horridella*				3	2	5	
462	17.012	Rabbit Moth				1		1	
464	18.001	Diamond-back Moth					1	1	
516	37.033	*Coleophora trifolii*				1		1	
517	37.035	*Coleophora alcyonipennella*				1		1	
518	37.048	*Coleophora mayrella*		1	3			4	
553	37.099	*Coleophora striatipennella*		2				2	2m Gen. Det. AP
607	38.037	*Elachista canapennella*	1					1	
647	28.010	Brown House-moth			1			1	Roundhouse
658	31.001	*Carcina quercana*			1	2		3	
668	32.003	*Luquetia lobella*		1				1	
671	32.040	*Depressaria ultimella*	1					1	1m Gen. Det. MK
688	32.019	*Agonopterix heracliana*				1		1	
695	32.031	*Agonopterix alstromeriana*				1		1	
697	32.017	*Agonopterix arenella*				1		1	
782	35.046	*Bryotropha senectella*			1			1	
787	35.040	*Bryotropha terrella*				2		2	
789	35.038	*Bryotropha domestica*				1		1	
814	35.118	Beet Moth					1	1	
819	35.123	*Scrobipalpa costella*				1	1	2	
843	35.010	*Aproaerema anthyllidella*				2	1	3	1m Gen. Det. AP
844	35.003	*Aproaerema larseniella*			1			1	
866	35.028	*Brachmia blandella*			1			1	
868	35.031	*Helcystogramma rufescens*			1			1	
870	27.001	*Oegoconia quadripuncta*			1			1	1m Gen. Det. AP
873	41.002	*Blastobasis adustella*				96		96	
874	41.003	*Blastobasis lacticolella*		1		5		6	
886	40.002	*Mompha ochraceella*			1			1	
905	39.001	*Blastodacna hellerella*			3	1		4	
906	39.002	*Blastodacna atra*				1		1	
936	49.097	*Cochylimorpha straminea*				67	2	69	
937	49.109	*Agapeta hamana*			5			5	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	TOTAL	Comment
938	49.110	*Agapeta zoegana*			5	2		7	
964a	49.138	*Neocochylis molliculana*				2		2	
965	49.136	*Neocochylis hybridella*			1			1	
970	49.025	Barred Fruit-tree Tortrix		2		3		5	
972	49.026	Dark Fruit-tree Tortrix			4	4		8	
977	49.013	Large Fruit-tree Tortrix			2			2	
986	49.028	*Syndemis musculana*	1					1	
990	49.032	*Zelopherses unitana*		5				5	
994	49.038	*Clepsis consimilana*		1	4			5	
998	49.039	Light Brown Apple Moth	1		1	7	2	11	
1020x	49.050x	*Cnephasia sp.*		2	18			20	
1036	49.062	*Acleris forsskaleana*			8	2		10	
1037	49.061	*Acleris holmiana*			1			1	
1063	49.161	*Celypha striana*			6			6	
1076	49.166	*Celypha lacunana*		12	6	10		28	
1082	49.157	*Hedya pruniana*		6	1			7	
1083	49.156	*Hedya nubiferana*			2			2	
1084	49.158	*Hedya ochroleucana*			2			2	
1097	49.186	*Endothenia gentianaeana*			1			1	1st Adult
1099	49.188	*Endothenia marginana*			2	1		3	
1108	49.183	*Lobesia abscisana*			2	1		3	
1111	49.194	*Bactra lancealana*			1			1	
1115	49.215	*Ancylis achatana*			2			2	
1126	49.214	*Ancylis badiana*				2		2	
1144	49.237	*Epinotia signatana*			1			1	
1170	49.280	*Gypsonoma oppressana*			1			1	
1175	49.294	Bramble Shoot Moth		1	3			4	
1176	49.298	*Notocelia trimaculana*		4				4	
1178	49.295	*Notocelia roborana*				1		1	
1187	49.289	*Epiblema costipunctana*				1		1	
1200	49.266	*Eucosma hohenwartiana*		3	5			8	
1201	49.265	*Eucosma cana*		5	8			13	
1202	49.264	*Eucosma obumbratana*		2				2	
1205	49.224	*Spilonota ocellana*			3	1		4	
1219	49.345	*Lathronympha strigana*				1		1	
1233	49.376	*Pammene aurita*				1		1	
1257	49.323	Pea Moth		1				1	
1261	49.338	Codling Moth			2			2	
1279	49.313	*Dichrorampha acuminatana*				2		2	
1288	44.001	Twenty-plume Moth	1					1	
1292	63.079	*Calamotropha paludella*			1			1	
1293	63.080	*Chrysoteuchia culmella*		3	72	1		76	
1301	63.086	*Crambus lathoniellus*	1	11				12	
1302	63.088	*Crambus perlella*			3			3	
1303	63.092	*Agriphila selasella*				19		19	
1304	63.093	*Agriphila straminella*			3	31		34	
1305	63.089	*Agriphila tristella*			3	82		85	
1331	63.115	Water Veneer			1	9		10	
1334	63.064	*Scoparia ambigualis*			1	1		2	
1338	63.067	*Eudonia lacustrata*			5			5	
1344	63.074	*Eudonia mercurella*			2	10		12	
1345	63.114	Brown China-mark				1		1	
1348	63.117	Ringed China-mark				1		1	
1356	63.057	Garden Pebble				7		7	
1361	63.006	*Pyrausta aurata*				1		1	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	TOTAL	Comment
1362	**63.007**	*Pyrausta purpuralis*			1			**1**	
1376	**63.025**	Small Magpie		5	1			**6**	
1378	**63.018**	Spotted Magpie			2			**2**	
1386	**63.016**	*Anania fuscalis*		6				**6**	
1388	**63.033**	*Udea lutealis*				2		**2**	
1392	**63.037**	*Udea olivalis*		2	2			**4**	
1398	**63.052**	Rush Veneer				9	2	**11**	
1405	**63.038**	Mother of Pearl			10	16		**26**	
1428	**62.001**	Bee Moth			1			**1**	
1437	**62.038**	*Acrobasis consociella*			2			**2**	
1439	**62.035**	*Acrobasis advenella*				6		**6**	
1470	**62.048**	*Euzophera pinguis*				5		**5**	
1474	**62.065**	*Ephestia woodiella*		1				**1**	
1481	**62.054**	*Homoeosoma sinuella*		3				**3**	1m Gen. Det. AP
1483	**62.058**	*Phycitodes binaevella*			1			**1**	
1497	**45.010**	*Amblyptilia acanthadactyla*				1		**1**	
1508	**45.013**	*Stenoptilia bipunctidactyla*					1	**1**	1m Gen. Det. AP
1524	**45.044**	*Emmelina monodactyla*				8		**8**	
1553	**58.003**	Orange-tip	*1					**0**	*Egg
1625	**59.011**	Gatekeeper			1			**1**	
1626	**59.010**	Meadow Brown			1			**1**	
1629	**59.009**	Ringlet	*1					**0**	*Larva
1634	**66.003**	LACKEY		1	1			**2**	
1640	**66.010**	DRINKER			11	1		**12**	
1647	**65.003**	BARRED HOOK-TIP					1	**1**	
1651	**65.007**	CHINESE CHARACTER			1			**1**	
1653	**65.009**	BUFF ARCHES			3			**3**	
1669	**70.305**	COMMON EMERALD			3			**3**	
1682	**70.029**	BLOOD-VEIN		4		3		**7**	
1690	**70.024**	SMALL BLOOD-VEIN			3	1		**4**	
1699	**70.004**	LEAST CARPET				1		**1**	
1702	**70.013**	SMALL FAN-FOOTED WAVE			6			**6**	
1708	**70.011**	SINGLE-DOTTED WAVE			5	7		**12**	
1712	**70.015**	SMALL SCALLOP				3		**3**	
1713	**70.016**	RIBAND WAVE		1	13	5		**19**	
1716	**70.038**	VESTAL					2	**2**	
1724	**70.051**	RED TWIN-SPOT CARPET	2		1	7		**10**	
1727	**70.054**	SILVER-GROUND CARPET	1	2				**3**	
1728	**70.049**	GARDEN CARPET	1		1			**2**	
1732	**70.045**	SHADED BROAD-BAR			6	8		**14**	
1738	**70.061**	COMMON CARPET			1	11		**12**	
1742	**70.059**	YELLOW SHELL		4		6		**10**	
1752	**70.087**	PURPLE BAR	1			5		**6**	
1758	**70.093**	BARRED STRAW		1	3			**4**	
1764	**70.097**	COMMON MARBLED CARPET		1			5	**6**	
1765	**70.085**	BARRED YELLOW		15				**15**	
1773	**70.086**	BROKEN-BARRED CARPET	4	2				**6**	
1776	**70.100**	GREEN CARPET	34	1			1	**36**	
1777	**70.074**	JULY HIGHFLYER			1			**1**	
1791	**70.118**	BROWN SCALLOP			1			**1**	
1792	**70.119**	DARK UMBER			1			**1**	
1799	**70.106**	WINTER MOTH	*5					**0**	*Larvae
1802	**70.132**	RIVULET	1					**1**	
1803	**70.133**	SMALL RIVULET				1		**1**	
1812	**70.148**	MAPLE PUG			1			**1**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	TOTAL	Comment
1819	**70.184**	MOTTLED PUG	5					**5**	
1825	**70.173**	LIME-SPECK PUG		1		5	1	**7**	
1834	**70.183**	COMMON PUG	5	1				**6**	
1835	**70.160**	WHITE-SPOTTED PUG	1			1		**2**	
1837	**70.190**	GREY PUG		1				**1**	
1838	**70.187**	TAWNY SPECKLED PUG				2		**2**	
1842	**70.166**	PLAIN PUG				1		**1**	
1853	**70.157**	OAK-TREE PUG	2					**2**	
1858	**70.142**	V-PUG	1		2			**3**	
1860	**70.144**	GREEN PUG		1				**1**	
1862	**70.141**	DOUBLE-STRIPED PUG				1		**1**	
1883	**70.200**	YELLOW-BARRED BRINDLE	1					**1**	
1884	**70.205**	MAGPIE MOTH				22		**22**	
1904	**70.224**	SCORCHED WING	1	1				**2**	
1906	**70.226**	BRIMSTONE MOTH	6	4	4	66	2	**82**	
1913	**70.234**	CANARY-SHOULDERED THORN				1	1	**2**	
1914	**70.235**	DUSKY THORN				15	1	**16**	
1915	**70.236**	SEPTEMBER THORN			1			**1**	
1917	**70.237**	EARLY THORN			3			**3**	
1921	**70.241**	SCALLOPED OAK			5	1		**6**	
1922	**70.243**	SWALLOW-TAILED MOTH			4			**4**	
1931	**70.252**	PEPPERED MOTH		2	1			**3**	
1936	**70.257**	WAVED UMBER	1					**1**	
1937	**70.258**	WILLOW BEAUTY		3	5	14	6	**28**	
1941	**70.265**	MOTTLED BEAUTY		17	2			**19**	
1955	**70.277**	COMMON WHITE WAVE	1	1				**2**	
1956	**70.278**	COMMON WAVE		1				**1**	
1957	**70.279**	WHITE-PINION SPOTTED	1					**1**	
1958	**70.280**	CLOUDED SILVER		10	5			**15**	
1961	**70.283**	LIGHT EMERALD		1			2	**3**	
1981	**69.003**	POPLAR HAWK-MOTH	2	1	7	1		**11**	
1991	**69.016**	ELEPHANT HAWK-MOTH		1				**1**	
1994	**71.025**	BUFF-TIP			1	1		**2**	
2000	**71.012**	IRON PROMINENT				2		**2**	
2003	**71.013**	PEBBLE PROMINENT				1		**1**	
2007	**71.017**	SWALLOW PROMINENT				6		**6**	
2008	**71.021**	COXCOMB PROMINENT	2					**2**	
2011	**71.020**	PALE PROMINENT	1			5		**6**	
2019	**71.027**	CHOCOLATE-TIP	1					**1**	
2028	**72.015**	PALE TUSSOCK	1					**1**	
2030	**72.013**	YELLOW-TAIL			9	1		**10**	
2038	**72.036**	MUSLIN FOOTMAN			1			**1**	
2044	**72.044**	DINGY FOOTMAN			17	10		**27**	
2047	**72.046**	SCARCE FOOTMAN			13	3		**16**	
2050	**72.045**	COMMON FOOTMAN			151	1		**152**	
2057	**72.026**	GARDEN TIGER			1			**1**	
2060	**72.020**	WHITE ERMINE	2					**2**	
2064	**72.024**	RUBY TIGER				6		**6**	
2069	**72.031**	CINNABAR MOTH		1	1			**2**	
2077	**74.003**	SHORT-CLOAKED MOTH			5			**5**	
2089	**73.317**	HEART & DART		12	14			**26**	
2091	**73.327**	DARK SWORD-GRASS				1	1	**2**	
2092	**73.325**	SHUTTLE-SHAPED DART	2			5		**7**	
2098	**73.328**	FLAME		6	1			**7**	
2102	**73.329**	FLAME SHOULDER	5	4		50		**59**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	TOTAL	Comment
2107	**73.342**	LARGE YELLOW UNDERWING		2		9	30	**41**	
2109	**73.345**	LESSER YELLOW UNDERWING				9	3	**12**	
2110	**73.343**	BROAD-BORDERED YELLOW UNDERWING			1	4	1	**6**	
2111	**73.348**	LESSER BROAD-BORDERED YELLOW UNDERWING				90		**90**	
2112	**73.346**	LEAST YELLOW UNDERWING				2		**2**	
2123	**73.334**	SMALL SQUARE-SPOT		7		8	3	**18**	
2126	**73.359**	SETACEOUS HEBREW CHARACTER		14		10	17	**41**	
2128	**73.361**	DOUBLE SQUARE-SPOT		1	3			**4**	
2134	**73.357**	SQUARE-SPOT RUSTIC				1	116	**117**	
2160	**73.267**	BRIGHT-LINE BROWN-EYE		2	7			**9**	
2190	**73.249**	HEBREW CHARACTER	6					**6**	
2192	**73.290**	BROWN-LINE BRIGHT-EYE			50	1		**51**	
2193	**73.298**	CLAY			8			**8**	
2194	**73.297**	WHITE-POINT				1	1	**2**	
2198	**73.293**	SMOKY WAINSCOT			43	5		**48**	
2199	**73.291**	COMMON WAINSCOT		11	3	8	9	**31**	
2205	**73.301**	SHOULDER-STRIPED WAINSCOT		12				**12**	
2232	**73.233**	BLACK RUSTIC					5	**5**	
2235	**73.200**	TAWNY PINION	1					**1**	
2266	**73.187**	BROWN-SPOT PINION					1	**1**	
2267	**73.186**	BEADED CHESTNUT					1	**1**	
2269	**73.219**	CENTRE-BARRED SALLOW					10	**10**	
2270	**73.193**	LUNAR UNDERWING					3	**3**	
2274	**73.182**	SALLOW					1	**1**	
2284x	**73.038x**	Dark/Grey Dagger			2			**2**	
2289	**73.045**	KNOT GRASS	1					**1**	
2291	**73.047**	CORONET			10			**10**	
2292	**73.082**	TREE-LICHEN BEAUTY				1		**1**	
2297	**73.062**	COPPER UNDERWING				3	2	**5**	
2299	**73.064**	MOUSE MOTH					1	**1**	
2302	**73.102**	BROWN RUSTIC		2				**2**	
2303	**73.109**	STRAW UNDERWING				18		**18**	
2306	**73.113**	ANGLE SHADES				1	1	**2**	
2319	**73.217**	LUNAR-SPOTTED PINION			4			**4**	
2321	**73.162**	DARK ARCHES		5	23	16		**44**	
2322	**73.163**	LIGHT ARCHES			1			**1**	
2330	**73.154**	DUSKY BROCADE		1	1			**2**	
2333	**73.157**	LARGE NUTMEG		6				**6**	
2334	**73.158**	RUSTIC SHOULDER-KNOT	3	2				**5**	
2337x	**73.173x**	Marbled Minor agg.		5	7			**12**	
2340	**73.176**	MIDDLE-BARRED MINOR		8				**8**	
2341	**73.172**	CLOAKED MINOR			3	12		**15**	
2343x	**73.169x**	Common Rustic agg.			1	57		**58**	
2352	**73.120**	DUSKY SALLOW			1	13		**14**	
2353	**73.131**	FLOUNCED RUSTIC				19	2	**21**	
2361	**73.123**	ROSY RUSTIC				2		**2**	
2380	**73.101**	TREBLE LINES		2				**2**	
2381	**73.096**	UNCERTAIN			52			**52**	
2382	**73.097**	RUSTIC		1	15			**16**	
2384	**73.099**	VINE'S RUSTIC		3			1	**4**	
2387	**73.092**	MOTTLED RUSTIC			4			**4**	
2434	**73.012**	BURNISHED BRASS		2	1			**3**	
2439	**73.022**	GOLD SPOT		2				**2**	
2441	**73.015**	SILVER Y	1				2	**3**	
2443	**73.017**	PLAIN GOLDEN Y		1				**1**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	TOTAL	Comment
2450	**73.001**	SPECTACLE	1	1	1	4		**7**	
2473	**72.069**	BEAUTIFUL HOOK-TIP			5			**5**	
2474	**72.002**	STRAW DOT		16	2	38	1	**57**	
2477	**72.003**	SNOUT		5	8		2	**15**	
2489	**72.053**	FAN-FOOT			4			**4**	
275	**22**		116	307	814	1114	250	**2601**	

Appendix III – National Status & Foodplants

B & F	New	Species Name	National Status	Foodplants
15	**3.001**	Orange Swift	Common	Bracken, Herbaceous plants
17	**3.002**	Common Swift	Common	Grasses, Herbaceous plants
125	**10.003**	*Coptotriche marginea*	Common	Bramble
141	**7.012**	*Nematopogon schwarziellus*	Common	Dead Leaves
147	**7.002**	*Nemophora metallica*	Nb	Scabious
266	**14.002**	*Bucculatrix nigricomella*	Local	Ox-eye Daisy
303	**15.028**	*Parornix anglicella*	Common	Hawthorn
309	**15.033**	*Parornix torquillella*	Common	Blackthorn
391	**19.007**	*Glyphipterix simpliciella*	Common	Cock's-foot
419	**20.020**	*Argyresthia semifusca*	Common	Hawthorn, Whitebeam
422	**20.023**	*Argyresthia albistria*	Common	Blackthorn
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
441	**16.020**	*Paraswammerdamia nebulella*	Common	Hawthorn, Rowan
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
462	**17.012**	Rabbit Moth	Common	Sycamore, Maples
464	**18.001**	Diamond-back Moth	Migrant	Brassicaceae
516	**37.033**	*Coleophora trifolii*	Local	Melilot
517	**37.035**	*Coleophora alcyonipennella*	Local	White Clover
518	**37.048**	*Coleophora mayrella*	Common	White Clover
553	**37.099**	*Coleophora striatipennella*	Common	Stitchwort, Mouse-ear etc
607	**38.037**	*Elachista canapennella*	Common	Grasses
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
671	**32.040**	*Depressaria ultimella*	Local	Fool's Water-cress, Water-dropwort, Greater Water-parsnip
688	**32.019**	*Agonopterix heracliana*	Common	Apiaceae, esp. Angelica, Hogweed
695	**32.031**	*Agonopterix alstromeriana*	Common	Hemlock
697	**32.017**	*Agonopterix arenella*	Common	Apiaceae
782	**35.046**	*Bryotropha senectella*	Local	Mosses
787	**35.040**	*Bryotropha terrella*	Common	Mosses, Grasses
789	**35.038**	*Bryotropha domestica*	Common	Mosses
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
844	**35.003**	*Aproaerema larseniella*	Local	Greater Bird's-foot-trefoil
866	**35.028**	*Brachmia blandella*	Common	Gorse
868	**35.031**	*Helcystogramma rufescens*	Common	Wood Small-reed, False Brome

B & F	New	Species Name	National Status	Foodplants
870	27.001	*Oegoconia quadripuncta*	Common	Leaf Litter
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
905	39.001	*Blastodacna hellerella*	Common	Hawthorn
906	39.002	*Blastodacna atra*	Nb	Apple
936	49.097	*Cochylimorpha straminea*	Common	Common Knapweed
937	49.109	*Agapeta hamana*	Common	Thistles
938	49.110	*Agapeta zoegana*	Common	Common Knapweed, Scabious
964a	49.138	*Neocochylis molliculana*	Local	Bristly Oxtongue
965	49.136	*Neocochylis 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
986	49.028	*Syndemis musculana*	Common	Polyphagous
990	49.032	*Zelopherses unitana*	Na	Grasses, Herbaceous plants
994	49.038	*Clepsis consimilana*	Common	Polyphagous
998	49.039	Light Brown Apple Moth	Common	Polyphagous
1020x	49.050x	*Cnephasia sp.*	–	–
1036	49.062	*Acleris forsskaleana*	Common	Field Maple, Sycamore
1037	49.061	*Acleris holmiana*	Common	Rosaceous Trees & Shrubs
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
1084	49.158	*Hedya ochroleucana*	Common	Rose, Apple
1097	49.186	*Endothenia gentianaeana*	Common	Teasel
1099	49.188	*Endothenia marginana*	Common	Teasel, Betony, hemp-nettle
1108	49.183	*Lobesia abscisana*	Common	Creeping Thistle
1111	49.194	*Bactra lancealana*	Common	Juncus Rushes, Club-rush, Galingale
1115	49.215	*Ancylis achatana*	Common	Blackthorn, Hawthorn etc.
1126	49.214	*Ancylis badiana*	Common	Pea, Vetch, Clover
1144	49.237	*Epinotia signatana*	Local	Cherry, Blackthorn, Apple
1170	49.28	*Gypsonoma oppressana*	Nb	Black Poplar, White Poplar
1175	49.294	Bramble Shoot Moth	Common	Bramble
1176	49.298	*Notocelia trimaculana*	Common	Hawthorn
1178	49.295	*Notocelia roborana*	Common	Rose
1187	49.289	*Epiblema costipunctana*	Common	Ragwort
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
1219	49.345	*Lathronympha strigana*	Common	St. John's-wort
1233	49.376	*Pammene aurita*	Local	Sycamore
1257	49.323	Pea Moth	Common	Peas
1261	49.338	Codling Moth	Common	Apple, Sweet Chestnut-fruits & nuts
1279	49.313	*Dichrorampha acuminatana*	Local	Yarrow, Tansy
1288	44.001	Twenty-plume Moth	Common	Honeysuckle
1292	63.079	*Calamotropha paludella*	Local	Bulrush
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

B & F	New	Species Name	National Status	Foodplants
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
1356	**63.057**	Garden Pebble	Common	Cabbage, Radish
1361	**63.006**	*Pyrausta aurata*	Common	Dead-nettle, Mint
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.
1388	**63.033**	*Udea lutealis*	Common	Herbaceous plants
1392	**63.037**	*Udea olivalis*	Common	Herbaceous plants
1398	**63.052**	Rush Veneer	Migrant	Clover, Knotgrass & other Grasses
1405	**63.038**	Mother of Pearl	Common	Common Nettle
1428	**62.001**	Bee Moth	Common	Honeycomb in Bees nests
1437	**62.038**	*Acrobasis consociella*	Local	Oak
1439	**62.035**	*Acrobasis advenella*	Common	Hawthorn, Rowan
1470	**62.048**	*Euzophera pinguis*	Common	Ash
1474	**62.065**	*Ephestia woodiella*	Local	Dead Ivy etc.
1481	**62.054**	*Homoeosoma sinuella*	Common	Plantains
1483	**62.058**	*Phycitodes binaevella*	Common	Thistle
1497	**45.010**	*Amblyptilia acanthadactyla*	Common	Herbaceous plants
1508	**45.013**	*Stenoptilia bipunctidactyla*	Common	Field Scabious
1524	**45.044**	*Emmelina monodactyla*	Common	Bindweed
1553	**58.003**	Orange-tip	Common	Lady's Smock, Honesty, Rocket
1625	**59.011**	Gatekeeper	Common	Grasses
1626	**59.010**	Meadow Brown	Common	Grasses
1629	**59.009**	Ringlet	Common	Tall Grasses
1634	**66.003**	LACKEY	Common	Deciduous Trees & Shrubs
1640	**66.010**	DRINKER	Common	Grasses
1647	**65.003**	BARRED HOOK-TIP	Local	Beech
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
1690	**70.024**	SMALL BLOOD-VEIN	Common	Privet, Honeysuckle
1699	**70.004**	LEAST CARPET	Local	Ivy, Traveller's Joy, Golden Alyssum etc.
1702	**70.013**	SMALL FAN-FOOTED WAVE	Common	Dandelion, Knotgrass, Plantain, Bramble
1708	**70.011**	SINGLE-DOTTED WAVE	Common	Cow Parsley, Burnet-saxifrage, Hedge Bedstraw
1712	**70.015**	SMALL SCALLOP	Local	Bedstraws
1713	**70.016**	RIBAND WAVE	Common	Bedstraws, Dandelion. Dock
1716	**70.038**	VESTAL	Migrant	Dandelion, Dock
1724	**70.051**	RED TWIN-SPOT CARPET	Common	Low Growing Plants
1727	**70.054**	SILVER-GROUND CARPET	Common	Low Growing Plants
1728	**70.049**	GARDEN CARPET	Common	Herbaceous 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
1752	**70.087**	PURPLE BAR	Common	Bedstraws
1758	**70.093**	BARRED STRAW	Common	Bedstraws
1764	**70.097**	COMMON MARBLED CARPET	Common	Deciduous Trees & Shrubs
1765	**70.085**	BARRED YELLOW	Common	Rosaceous plants
1773	**70.086**	BROKEN-BARRED CARPET	Common	Deciduous Trees

B & F	New	Species Name	National Status	Foodplants
1776	**70.100**	GREEN CARPET	Common	Bedstraws
1777	**70.074**	JULY HIGHFLYER	Common	Willow, Sallow, Aspen, Bilberry
1791	**70.118**	BROWN SCALLOP	Local	Buckthorn
1792	**70.119**	DARK UMBER	Local	Buckthorn, Alder Buckthorn
1799	**70.106**	WINTER MOTH	Common	Deciduous Trees & Shrubs, Conifers
1802	**70.132**	RIVULET	Common	Red Campion
1803	**70.133**	SMALL RIVULET	Common	Hemp-nettle
1812	**70.148**	MAPLE PUG	Local	Field Maple, Sycamore?
1819	**70.184**	MOTTLED PUG	Common	Oak, Hawthorn, Blackthorn
1825	**70.173**	LIME-SPECK PUG	Common	Low Growing Plants
1834	**70.183**	COMMON PUG	Common	Deciduous Trees & Shrubs, Herbaceous plants
1835	**70.160**	WHITE-SPOTTED PUG	Local	Elder, Herbaceous plants
1837	**70.190**	GREY PUG	Common	Herbaceous plants, Broadleaved Shrubs
1838	**70.187**	TAWNY SPECKLED PUG	Common	Yarrow, Sneezewort
1842	**70.166**	PLAIN PUG	Local	Goosefoot & Oraches
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
1883	**70.200**	YELLOW-BARRED BRINDLE	Local	Holly, Ivy, Dogwood, Guelder Rose, Hawthorn
1884	**70.205**	MAGPIE MOTH	Common	Blackthorn, Hawthorn, Privet, 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
1915	**70.236**	SEPTEMBER THORN	Common	Oak, Beech, Birch, Lime
1917	**70.237**	EARLY THORN	Common	Deciduous Trees
1921	**70.241**	SCALLOPED OAK	Common	Deciduous Trees & Shrubs
1922	**70.243**	SWALLOW-TAILED MOTH	Common	Honeysuckle, Ivy, Hawthorn & other trees/shrubs
1931	**70.252**	PEPPERED MOTH	Common	Deciduous Trees & Shrubs, Herbaceous plants
1936	**70.257**	WAVED UMBER	Common	Privet, Lilac
1937	**70.258**	WILLOW BEAUTY	Common	Deciduous Trees & Shrubs, Conifers
1941	**70.265**	MOTTLED BEAUTY	Common	Deciduous Trees & Shrubs, Conifers
1955	**70.277**	COMMON WHITE WAVE	Common	Birch, Alder, Sallow
1956	**70.278**	COMMON WAVE	Common	Willow, Sallow, Aspen, Poplar
1957	**70.279**	WHITE-PINION SPOTTED	Common	Blackthorn, Hawthorn
1958	**70.280**	CLOUDED SILVER	Common	Blackthorn, Hawthorn, Plum, Cherry, Crab Apple
1961	**70.283**	LIGHT EMERALD	Common	Deciduous Trees & Shrubs
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
2000	**71.012**	IRON PROMINENT	Common	Oak, Beech, Birch, Hazel
2003	**71.013**	PEBBLE PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2007	**71.017**	SWALLOW PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2008	**71.021**	COXCOMB PROMINENT	Common	Deciduous Trees
2011	**71.020**	PALE PROMINENT	Common	Willow, Sallow, Aspen, Poplar
2019	**71.027**	CHOCOLATE-TIP	Local	Willow, Sallow, Aspen, Poplar
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

B & F	New	Species Name	National Status	Foodplants
2064	**72.024**	RUBY TIGER	Common	Herbaceous Plants
2069	**72.031**	CINNABAR MOTH	Common	Common Ragwort, Groundsels
2077	**74.003**	SHORT-CLOAKED MOTH	Common	Hawthorn, Blackthorn, Crab Apple, Plum
2089	**73.317**	HEART & DART	Common	Herbaceous plants
2091	**73.327**	DARK SWORD-GRASS	Migrant	Herbaceous Plants
2092	**73.325**	SHUTTLE-SHAPED DART	Common	Herbaceous Plants
2098	**73.328**	FLAME	Common	Herbaceous Plants
2102	**73.329**	FLAME SHOULDER	Common	Herbaceous Plants
2107	**73.342**	LARGE YELLOW UNDERWING	Common	Herbaceous Plants, Grasses
2109	**73.345**	LESSER YELLOW UNDERWING	Common	Herbaceous Plants
2110	**73.343**	BROAD-BORDERED YELLOW UNDERWING	Common	Herbaceous Plants
2111	**73.348**	LESSER BROAD-BORDERED YELLOW UNDERWING	Common	Herbaceous Plants
2112	**73.346**	LEAST YELLOW UNDERWING	Common	Herbaceous Plants
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
2134	**73.357**	SQUARE-SPOT RUSTIC	Common	Grasses
2160	**73.267**	BRIGHT-LINE BROWN-EYE	Common	Herbaceous plants
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
2205	**73.301**	SHOULDER-STRIPED WAINSCOT	Common	Grasses
2232	**73.233**	BLACK RUSTIC	Common	Low Growing Plants & Grasses
2235	**73.200**	TAWNY PINION	Local	Ash
2266	**73.187**	BROWN-SPOT PINION	Common	Dock, Common Sorrel, Chickweed, Herbaceous plants
2267	**73.186**	BEADED CHESTNUT	Common	Dock, Dandelion, Chickweed, Grasses, Deciduous Trees
2269	**73.219**	CENTRE-BARRED SALLOW	Common	Ash
2270	**73.193**	LUNAR UNDERWING	Common	Grasses
2274	**73.182**	SALLOW	Common	Sallow, Poplar, Herbaceous plants
2284x	**73.038x**	Dark/Grey Dagger	Common	Deciduous Trees & Shrubs
2289	**73.045**	KNOT GRASS	Common	Herbaceous plants
2291	**73.047**	CORONET	Local	Ash, Wild Privet
2292	**73.082**	TREE-LICHEN BEAUTY	Migrant	Lichens
2297	**73.062**	COPPER UNDERWING	Common	Deciduous Trees & Shrubs
2299	**73.064**	MOUSE MOTH	Common	Elm, Hawthorn, Sallow, Herbaceous plants
2302	**73.102**	BROWN RUSTIC	Common	Herbaceous plants
2303	**73.109**	STRAW UNDERWING	Common	Grasses
2306	**73.113**	ANGLE SHADES	Common	Herbaceous plants
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
2330	**73.154**	DUSKY BROCADE	Common	Grasses
2333	**73.157**	LARGE NUTMEG	Local	Grasses
2334	**73.158**	RUSTIC SHOULDER-KNOT	Common	Grasses
2337x	**73.173x**	Marbled Minor agg.	–	Grasses
2340	**73.176**	MIDDLE-BARRED MINOR	Common	Grasses
2341	**73.172**	CLOAKED MINOR	Common	Grasses
2343x	**73.169x**	Common Rustic agg.	Common	Grasses
2352	**73.120**	DUSKY SALLOW	Common	Grasses
2353	**73.131**	FLOUNCED RUSTIC	Common	Grasses
2361	**73.123**	ROSY RUSTIC	Common	Herbaceous plants
2380	**73.101**	TREBLE LINES	Common	Herbaceous plants

B & F	New	Species Name	National Status	Foodplants
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
2439	**73.022**	GOLD SPOT	Common	Grasses, Sedges, Yellow Iris
2441	**73.015**	SILVER Y	Migrant	Herbaceous plants
2443	**73.017**	PLAIN GOLDEN Y	Common	Herbaceous plants
2450	**73.001**	SPECTACLE	Common	Common Nettle
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

Beetle	Common Cockchafer (*Melolontha melolontha*)	**2**	13th May, 2022
Beetle	Common Cockchafer (*Melolontha melolontha*)	**2**	14th June, 2022
Caddis	Grouse-wing Caddis (*Mysticides longicornis*)	**36**	14th June, 2022
Caddis	Speckled Peter (*Agrypnia varia*)	**1**	14th June, 2022



Common Cockchafer (*Melolontha melolontha*) 13th May, 2022

Some Photos From Sun Rising 2022



986 (49.028) (*Syndemis musculana*) 13th May, 2022



2289 (73.045) **Knot Grass** (*Acronicta rumicis*) 13th May, 2022



1392 (63.037) ***Udea olivalis*** 14th June, 2022



2069 (72.031) **Cinnabar Moth** (*Tyria jacobaeae*) 14th June, 2022



938 (49.110) ***Agapeta zoegana*** 12th July, 2022



2057 (72.026) **Garden Tiger** (*Arctia caja*) 12th July, 2022



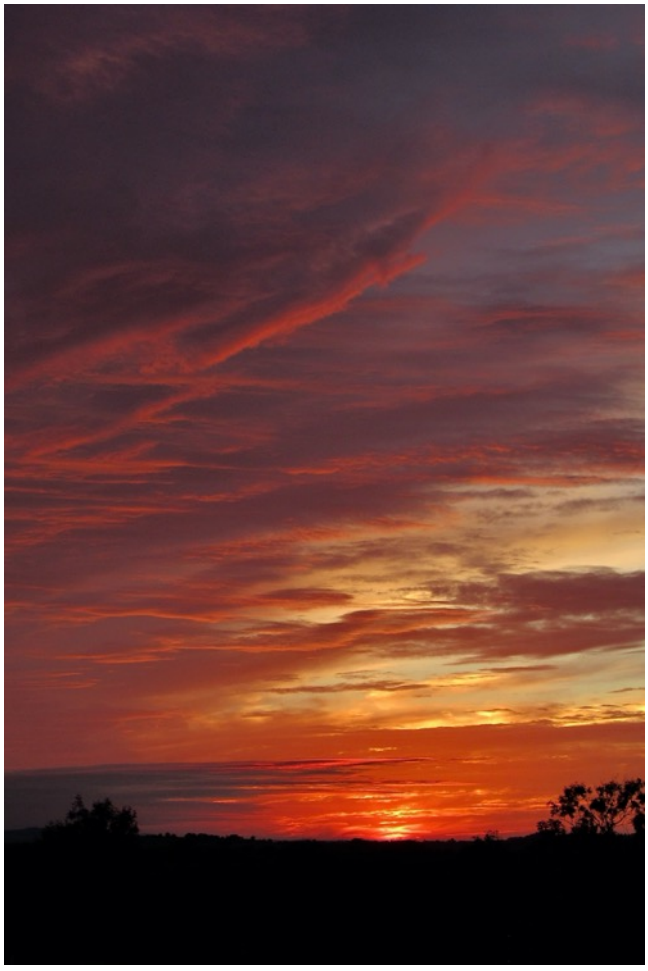
1187 (49.289) ***Epiblema costipunctana*** 6th August, 2022



2353 (73.131) **Flounced Rustic** (*Luperina testacea*) 6th August, 2022



2267 (73.186) **Beaded Chestnut** (*Agrochola lychnidis*) 13th September, 2022



Sunset at Sun Rising 13th September, 2022