Sun Rising NBG Moth Survey 2020 – A Brief Review



Alan Prior

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Cover Photo: 2064 (72.024) **Ruby Tiger** (*Phragmatobia fuliginosa)* 8th September, 2020

All photos in this report taken at Sun Rising by A. Prior © 2020

Sun Rising NBG Moth Surveys 2020

Introduction

After the atrocious weather experienced going back to the last couple of months of 2019 it seems miraculous that six visits were made to Sun Rising during 2020. Throw in a frustrating global virus and it is even more so! Most were arranged at very short notice to take advantage of whatever decent weather was on offer. There were a couple of breezy nights, but they were mild enough to make them worthwhile and all were productive with additions of new species to further lengthen the site list.

Visit 1 – 20th May, 2020

The weather finally relented towards the end of May and after all that had gone on earlier in the year it was decided that Martin Kennard and I should use this as a "test" night to see if we could carry on moth recording safely. Neither of us thought there should be any problem with that as by the very nature of moth recording we are widely separated. I arrived to find Martin looking at leaves, as usual! It was wonderful to be back in the countryside and just as wonderful to see Emma and David for a brief while too. It was an almost perfect night for moth recording and the traps were continually busy, just enough without being overwhelming for our first time out in nearly eight months. The approaching dawn surprised me as I finished packing up one trap. It had been a very enjoyable night refreshing the memory of what it was like to go moth recording again. A little over 90 species were recorded with eight species being newly found at Sun Rising including the Nationally notable **Silver Cloud**. The others were **Cork Moth**, ***Coleophora albicosta***, ***Coleophora caespititiella***, **Thistle Ermine**, **Flame Carpet**, **Alder Moth** and **Pale Mottled Willow**. A great start.



2281 **Alder Moth** (73.036) (*Acronicta alni*)
One of the eight new species recorded on 20th May, 2020

Visit 2 – 15th June, 2020

It is known within the moth recording community that the presence of thunderstorms can provide the most productive conditions for moths to fly and in mid-June such was the case. I had been through one storm on my journey and as it was dry on arrival I wasted no time in setting up. Chris Johnson joined me tonight and thankfully we were all set up and switched on before the intermittent periods of very light rain arrived. It was a calm night and we could see lightning in the distance for most of the night. The moths responded as expected and so did the Bats. At one point the Bats flew so low over Chris's trap that they tipped over the rainguard covering his bulb. With the rain seemingly ended it was decided to start counting up. It had been a very busy night with just over a thousand moths recorded.
At this well recorded time of year it was pleasing that four new species were amongst the 116 found. They were ***Coleopohora striatipennella***, ***Coleophora peribenanderi***, ***Acleris hastiana*** and ***Notocelia rosaecolana***. Amongst the larger moths recorded were **Common Emerald**, **Shaded Pug**, **Swallow-tailed Moth**, **Eyed Hawk-moth**, **Double Dart**, **White-point** and **Shark**.



1053 (49.080) ***Acleris hastiana***
Newly recorded at Sun Rising 15th June, 2020



1922 (70.243) **Swallow-tailed Moth** (*Ourapteryx sambucaria*)
Sun Rising 15th June, 2020

Visit 3 – 14th July, 2020

Like the rest July 2020 this wasn't the best nights moth recording I'd ever done. The weather was mediocre at best and as with the rest of the month contributed to worst July for weather I can remember. So, not a lot was expected really. Numbers were low except for **Common Footman**, but despite all the negatives the list for the night kept growing as Chris and I compared notes and so there was always something to keep us busy. It was a relatively sedate night and we were both a little surprised (and pleased) that we'd just managed to crack the 100 species total again. With just three traps in such conditions that was an unexpected achievement. With the cloud above it was unusually dark for us when the last light was switched off at 3:30 am and shortly after we set off for home. However, another couple of species had been added to the Sun Rising list. They were ***Yponomeuta cagnagella*** and ***Carpatolechia fugitivella***. Some of the other species recorded were ***Calamotropha paludella***, **Peach Blossom**, **Buff Arches**, **White Satin**, **Lunar-spotted Pinion**, **Dusky Sallow** and **Beautiful Hook-tip**.



427 (16.004) **Spindle Ermine** (*Yponomeuta cagnagella*)
Sun Rising 14th July, 2020



1653 (65.009) **Buff Arches** (*Habrosyne pyritoides*)
Sun Rising 14th July, 2020

Visit 4 – 8th August, 2020

Tonight was supposed to be a grand production with a friend of mine coming to give his moth talk to an enthralled group in the local village hall before everyone trooped down to Sun Rising to see some real live moths. However, due to the events of this year that has had to be postponed until next year when we'll try again. But the 'real live moths' part of the night did go ahead as planned. I arrived to find Chris and Peter Beasley chatting in the car park and Martin arrived shortly after. It was quite a breezy night and we didn't expect that to change too much. Emma and David had been watering the freshly planted trees and we all had a brief chat before they headed for home. With everything set up and switched on my traps went off almost immediately. It had finally happened - the generator needed oil! After I had put some in everything ran fine for the rest of the night. The breeze was persistent and didn't let up really. The clear skies we had on arrival slowly filled in with cloud which at least kept the temperature up. The traps were pretty busy and a nice list was slowly taking shape. The only trap that was properly sheltered was Martin's up by the new car park and unsurprisingly it had the most moths in. It wasn't easy to count thanks to the breeze, but we had all done OK and set off for home around 4 am. A very respectable list of 129 species had been recorded with pleasingly a dozen new ones for Sun Rising. They included ***Recurvaria leucatella***, ***Cnephasia genitalana***, **Pebble Hook-tip**, **Treble-bar** and **Tree-lichen Beauty**. Another interesting visitor to one of the traps was a Roesel's Bush-cricket (*Metrioptera roeselii*). I think the "public" would have enjoyed the night and seen some nice moths, it was just a shame they weren't able to come because of the current circumstances.



2292 (73.082) **Tree-lichen Beauty** (*Cryphia algae*)
A somewhat worn specimen - Sun Rising on 8th August, 2020

Visit 5 – 8th September, 2020

It had been a lovely warm day and so I was hopeful that my decision to bring forward this moth night by a week would pay off. I arrived around 7:15 pm to an empty car park. So, I went on a wander to see what the wind was doing. It was still around 70°F and the breeze was warm and so I didn't think it would be too much of a problem, as it would drop a bit later like always. I enjoyed the sight of a Northern Wheatear flitting about on some rocks down near the pond as I haven't seen one of those for years. By the time I got back Chris had arrived and was closely followed by Peter. Pete Smith was next to arrive and lastly it was Martin. It turned into a very confusing night with all sorts of moths showing up that never normally meet and there was a lot of head scratching going on as nobody could quite believe it. Pete was first to pack up and the rest of us slowly followed suit. Everyone had finished except me, I still had one trap I hadn't started yet. Martin and Chris set off for home, but Peter stayed until the end and he had a struggle trying to keep a **Red Underwing** from bothering me while I was trying to count up. Finally, everything was done, despite the **Red Underwing**! A respectable 71 species had been recorded and another half a dozen species were newly recorded for the site. They included ***Elachista consortella***, **Deep-brown Dart** and surprisingly **Sallow**.



2452 (72.078) **Red Underwing** (*Catocala nupta*)
The pesky individual with the "who? me?" look – Sun Rising 8th September, 2020

Visit 6 – 10th November, 2020

The final visit of the year was made in mid-November. It was a dual purpose visit really as we hoped to catch some adult moths, but it would also give Martin an opportunity to add some species to the list that are not particularly attracted to light and are normally found at other stages of their lifecycle Chris was already in the car park when I arrived and was about to head off to set up his trap. It was early enough to take a wander round before following his example. The place was looking very smart and there had obviously been a lot of "tidying up" done since our last visit in September. By the time I got back Martin had arrived and so it was time to set up. With everything up and running it was time for some chat. Unfortunately the skies cleared and it started to get quite cool after being fairly mild to start with. Martin steadily built the additional list to what was in the traps and by the time he went home around midnight, because he had work in the morning, moths had been found in all the traps as well. However there wasn't a lot of activity until Chris and I started to count up and the clouds came in. That delayed packing up as some new species for the night were arriving. Shame they didn't do that earlier and due to the clouds, the temperature had gone back up a little. Most notable arrival was a **Mottled Umber** that gave me a bit of a chase before I got it in the trap. That was a new species for Sun Rising, which I'd been hoping for. The last light finally went off at 2:30 am! It had been an epic session, but it was worth it to get the extra moths. The other new "adult" species was **Yellow-line Quaker** and Martin added another thirteen new species on his searches. So it was a very satisfying end back at the place where we began our moth recording year almost six months earlier.



1935 (70.256) **Mottled Umber** (*Erannis defoliaria*)
New for Sun Rising 10th November, 2020

Summary

The facts and figures for the six visits were:
31 traps set, over 38 hours worth of recording, an average overnight temperature of 11.7˚C, 3,890 individuals recorded representing 334 species of moth with 52 newly recorded at Sun Rising. The flexibility to change the dates of our visits at short notice was vital this year in particular and very much appreciated. I think it paid off for all concerned.

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 Chris Johnson, Martin Kennard, Peter Beasley and Pete Smith especially, for their commitment, dedication and contributing greatly on the recording nights this year.

Appendix I – Recording Details

Visit	Date	Traps	Temp	Time	Species	Recorders
1	20th May, 2020	5	9.1˚C	6h 10m	92	A. Prior/M. Kennard
2	15th June, 2020	3	12.2˚C	5h 40m	116	A. Prior/C. Johnson
3	14th July, 2020	3	11.3˚C	5h 30m	100	A. Prior/C. Johnson
4	8th August, 2020	5	15.2˚C	6h 15m	129	A. Prior/ C. Johnson/P. Beasley /M. Kennard
5	8th September, 2020	9	15.8˚C	6h 10m	71	A. Prior/C. Johnson/P. Beasley/M. Kennard/P. Smith
6	10th November, 2020	6	6.6˚C	9h 00m	43	A. Prior/M. Kennard/C. Johnson
	TOTALS	31	11.7˚C Avg.	38h 45m	334	

Appendix II – The Complete List For 2020

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	Nov	TOTAL	Comment
14	**3.005**	Ghost Moth		2	1				**3**	
15	**3.001**	Orange Swift				3	2		**5**	
17	**3.002**	Common Swift	12	21					**33**	
34	**4.099**	*Ectoedemia occultella*						*1	**–**	*Mine
37	**4.089**	*Ectoedemia albifasciella*						*3	**–**	*Mines
38	**4.090**	*Ectoedemia subbimaculella*						*10	**–**	*Mines
40	**4.071**	*Bohemannia pulverosella*					*1	*1	**–**	*Mines
68	**4.035**	*Stigmella salicis*						*2	**–**	*Mines
70	**4.038**	*Stigmella obliquella*						*2	**–**	*Mines
78	**4.053**	*Stigmella incognitella*					*1	*2	**–**	*Mine
83	**4.061**	*Stigmella atricapitella*						*8	**–**	*Mines
84	**4.060**	*Stigmella ruficapitella*						*1	**–**	*Mine
86	**4.063**	*Stigmella roborella*						*11	**–**	*Mines
97	**4.013**	*Stigmella malella*					*1		**–**	*Mine
102	**4.012**	*Stigmella aceris*					*1	*1	**–**	*Mines
112	**4.007**	*Stigmella luteella*						*5	**–**	*Mines
169	**54.008**	Six-Spot Burnet			1				**1**	
216	**12.016**	Cork Moth	1						**1**	
228	**12.037**	*Monopis weaverella*	2			1			**3**	
260	**21.008**	*Leucoptera malifoliella*					*1		**–**	*Mine
266	**14.002**	*Bucculatrix nigricomella*	10			8			**18**	
274	**14.010**	*Bucculatrix ulmella*						*2	**–**	*Mines
287	**15.009**	*Caloptilia robustella*						*1	**–**	*Mine
294	**15.015**	*Aspilapteryx tringipennella*			1				**1**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	Nov	TOTAL	Comment
308	**15.032**	*Parornix finitimella*	1			1			**2**	1m1f Gen. Det. AP
310	**15.022**	*Callisto denticulella*					*1		**–**	*Mine
315	**15.034**	*Phyllonorycter harrisella*						*10	**–**	*Mines
317	**15.036**	*Phyllonorycter heegeriella*						*1	**–**	*Mine
326	**15.046**	*Phyllonorycter blancardella*						*5	**–**	*Mines
335	**15.056**	*Phyllonorycter salicicolella*						*1	**–**	*Mine
362	**15.084**	*Phyllonorycter acerifoliella*						*1	**–**	*Mine
364	**15.086**	*Phyllonorycter geniculella*						*1	**–**	*Mine
389	**48.007**	Apple Leaf Skeletonizer					*1		**–**	*Mine
391	**19.007**	*Glyphipterix simpliciella*	5						**5**	
424	**16.001**	*Yponomeuta evonymella*			1				**1**	
425	**16.002**	*Yponomeuta padella*			1				**1**	
427	**16.004**	*Yponomeuta cagnagella*			2	3	1		**6**	
436	**16.014**	*Pseudoswammerdamia combinella*	3						**3**	
440	**16.019**	*Paraswammerdamia albicapitella*					1		**1**	
441	**16.020**	*Paraswammerdamia nebulella*			1				**1**	
448a	**22.003**	*Prays ruficeps*			1		3		**4**	
449	**22.002**	*Prays fraxinella*					1		**1**	
455	**17.005**	*Ypsolopha scabrella*				2	1		**3**	
456	**17.006**	*Ypsolopha horridella*	*1				1		**1**	*Larva
460	**17.010**	*Ypsolopha parenthesella*					1		**1**	
464	**18.001**	Diamond-back Moth		2		4		3	**9**	
491	**37.006**	*Coleophora gryphipennella*						*1	**–**	*Case
517	**37.035**	*Coleophora alcyonipennella*		2		1			**3**	1m Gen. Det. AP
518	**37.048**	*Coleophora mayrella*			1				**1**	
519	**37.046**	*Coleophora deauratella*	2						**2**	1m Gen. Det. MK
533	**37.049**	*Coleophora anatipennella*		1					**1**	1m Gen. Det. AP
544	**37.063**	*Coleophora albicosta*	1						**1**	1f Gen. Det. AP
553	**37.099**	*Coleophora striatipennella*		1					**1**	1m Gen. Det. AP
559	**37.093**	*Coleophora peribenanderi*		1					**1**	1m Gen. Det. AP
565	**37.083**	*Coleophora saxicolella*				1			**1**	1m Gen. Det. MK
584	**37.073**	*Coleophora alticolella*						*1	**–**	*Case
587	**37.069**	*Coleophora caespititiella*	1						**1**	1f Gen. Det. AP
607	**38.037**	*Elachista canapennella*			2				**2**	
610	**38.004**	*Elachista argentella*	1						**1**	
632	**38.048**	*Elachista consortella*					1		**1**	1m Gen. Det. MK
642	**28.014**	*Crassa unitella*				9			**9**	
644	**28.012**	*Borkhausenia fuscescens*				1			**1**	
658	**31.001**	*Carcina quercana*				1		*1	**1**	*Larval Feeding Signs
688	**32.018**	*Agonopterix heracliana*				1		3	**4**	
726	**35.058**	*Metzneria metzneriella*	1						**1**	
758	**35.157**	*Recurvaria leucatella*				1			**1**	
772	**35.148**	*Carpatolechia fugitivella*			1				**1**	1f Gen. Det. AP
782	**35.046**	*Bryotropha senectella*				1			**1**	
787	**35.040**	*Bryotropha terrella*		1	3	4			**8**	
868	**35.031**	*Helcystogramma rufescens*			1	1			**2**	
873	**41.002**	*Blastobasis adustella*				43	6		**49**	
874	**41.003**	*Blastobasis lacticolella*		1					**1**	
883	**40.015**	*Mompha raschkiella*				2			**2**	1m1f Gen. Det. MK
886	**40.002**	*Mompha ochraceella*		1					**1**	
890	**40.006**	*Mompha jurassicella*					1		**1**	1f Gen. Det. MK
893	**40.010**	*Mompha epilobiella*				1			**1**	
905	**39.001**	*Blastodacna hellerella*		1					**1**	
936	**49.097**	*Cochylimorpha straminea*	5	6		36			**47**	
937	**49.109**	*Agapeta hamana*		10	2	4			**16**	

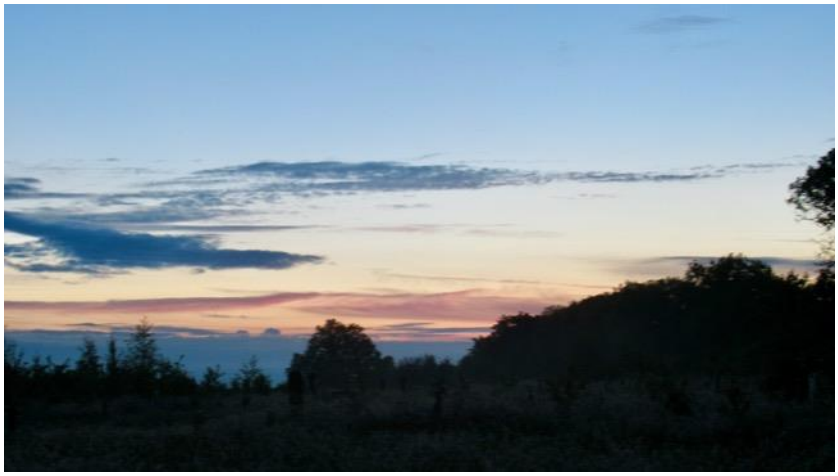
B & F	New	Species Name	May	Jun	Jul	Aug	Sep	Nov	TOTAL	Comment
938	**49.110**	*Agapeta zoegana*			2				**2**	
947	**49.120**	*Aethes smeathmanniana*				2			**2**	
965	**49.136**	*Cochylis hybridella*		1	2	1			**4**	
970	**49.025**	Barred Fruit-tree Tortrix		7					**7**	
972	**49.026**	Dark Fruit-tree Tortrix			1	4			**5**	
977	**49.013**	Large Fruit-tree Tortrix		2					**2**	
986	**49.028**	*Syndemis musculana*	3						**3**	
989	**49.031**	Timothy Tortrix		4	1				**5**	
990	**49.032**	*Zelopherses unitana*	1						**1**	1m Gen. Det. MK
994	**49.038**	*Clepsis consimilana*		2					**2**	
998	**49.039**	Light Brown Apple Moth	1			4	8		**13**	
1011	**49.091**	*Pseudargyrotoza conwagana*	1						**1**	
1014	**49.002**	*Isotrias rectifasciana*	1						**1**	
1016	**49.057**	*Cnephasia longana*				1			**1**	
1020x	**49.050x**	*Cnephasia sp.*		10					**10**	
1023	**49.054**	*Cnephasia genitalana*				1			**1**	1f Gen. Det. MK
1036	**49.062**	*Acleris forsskaleana*				1			**1**	
1038	**49.066**	*Acleris laterana*				2			**2**	
1042	**49.070**	*Acleris rhombana*					1		**1**	
1048	**49.077**	Garden Rose Tortrix				1		2	**3**	
1053	**49.080**	*Acleris hastiana*		1					**1**	
1063	**49.161**	*Celypha striana*		1	1	7			**9**	
1076	**49.166**	*Celypha lacunana*	32	34	3	20	13		**102**	
1082	**49.157**	*Hedya pruniana*	8	4					**12**	
1083	**49.156**	*Hedya nubiferana*		4					**4**	
1084	**49.158**	*Hedya ochroleucana*			2				**2**	
1097	**49.186**	*Endothenia gentianaeana*						*1	**–**	*Larva
1099	**49.188**	*Endothenia marginana*				2			**2**	
1108	**49.183**	*Lobesia abscisana*			7				**7**	
1115	**49.215**	*Ancylis achatana*		2	1				**3**	
1126	**49.214**	*Ancylis badiana*	1						**1**	
1134	**49.249**	*Epinotia ramella*				1			**1**	
1159	**49.223**	*Rhopobota naevana*				1			**1**	
1169	**49.279**	*Gypsonoma dealbana*						*1	**–**	*Larval Tube
1174	**49.292**	*Notocelia cynosbatella*	5						**5**	
1175	**49.294**	Bramble Shoot Moth		1	1				**2**	
1176	**49.298**	*Notocelia trimaculana*	1	1					**2**	
1177	**49.297**	*Notocelia rosaecolana*		1					**1**	
1200	**49.266**	*Eucosma hohenwartiana*		8	1				**9**	
1201	**49.265**	*Eucosma cana*	2	17	3				**22**	
1205	**49.224**	*Spilonota ocellana*				2			**2**	
1233	**49.376**	*Pammene aurita*				1			**1**	1f Gen. Det. MK
1279	**49.313**	*Dichrorampha acuminatana*	27			1	3		**31**	2m Gen. Det. MK
1292	**63.079**	*Calamotropha paludella*			1	1			**2**	
1293	**63.080**	*Chrysoteuchia culmella*	1	389	61	3			**454**	
1301	**63.086**	*Crambus lathoniellus*	18	9					**27**	
1302	**63.088**	*Crambus perlella*		1	4	2			**7**	
1303	**63.092**	*Agriphila selasella*				1			**1**	
1304	**63.093**	*Agriphila straminella*			3	80			**83**	
1305	**63.089**	*Agriphila tristella*			1	131	5		**137**	
1331	**63.115**	Water Veneer			2	3			**5**	
1334	**63.064**	*Scoparia ambigualis*	2	4	1				**7**	
1338	**63.067**	*Eudonia lacustrata*			2	10			**12**	
1344	**63.074**	*Eudonia mercurella*			1	18			**19**	
1348	**63.117**	Ringed China-mark		3		1			**4**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	Nov	TOTAL	Comment
1356	**63.057**	Garden Pebble	1	1		1			**3**	
1374	**63.030**	*Paratalanta hyalinalis*			*1				**0**	*Unconfirmed
1376	**63.025**	Small Magpie	1	2					**3**	
1380	**63.020**	*Anania perlucidalis*		1					**1**	
1386	**63.016**	*Anania fuscalis*	2						**2**	
1390	**63.034**	*Udea prunalis*			1	1			**2**	
1392	**63.037**	*Udea olivalis*		10					**10**	
1405	**63.038**	Mother of Pearl			12	7	1		**20**	
1413	**62.075**	Gold Triangle				1			**1**	
1428	**62.001**	Bee Moth		1					**1**	
1439	**62.035**	*Acrobasis advenella*			1	13	1		**15**	
1458	**62.042**	Thistle Ermine	1						**1**	
1470	**62.048**	*Euzophera pinguis*		2	2	11			**15**	
1481	**62.054**	*Homoeosoma sinuella*		2					**2**	
1483	**62.058**	*Phycitodes binaevella*		1	2				**3**	
1497	**45.010**	*Amblyptilia acanthadactyla*				1			**1**	
1513	**45.030**	*Pterophorus pentadactyla*		1					**1**	
1524	**45.044**	*Emmelina monodactyla*		1			2	1	**4**	
1526	**57.006**	Small Skipper		1					**1**	
1550	**58.007**	Small White				1	1		**2**	Roosting
1551	**58.008**	Green-veined White					1		**1**	@ Dusk
1561	**61.001**	Small Copper			1				**1**	
1625	**59.011**	Gatekeeper				1			**1**	
1626	**59.010**	Meadow Brown		50	2				**52**	
1629	**59.009**	Ringlet			1				**1**	Roosting
1631	**66.001**	DECEMBER MOTH						4	**4**	
1632	**66.002**	PALE EGGAR					2		**2**	
1634	**66.003**	LACKEY		17					**17**	
1640	**66.010**	DRINKER			4				**4**	
1648	**65.005**	PEBBLE HOOK-TIP				1			**1**	
1651	**65.007**	CHINESE CHARACTER	1		1		11		**13**	
1652	**65.008**	PEACH BLOSSOM			2				**2**	
1653	**65.009**	BUFF ARCHES			2				**2**	
1669	**70.305**	COMMON EMERALD		6					**6**	
1682	**70.029**	BLOOD-VEIN		3		4			**7**	
1690	**70.024**	SMALL BLOOD-VEIN			1				**1**	
1702	**70.013**	SMALL FAN-FOOTED WAVE			4				**4**	
1708	**70.011**	SINGLE-DOTTED WAVE				2			**2**	
1712	**70.015**	SMALL SCALLOP			1				**1**	
1713	**70.016**	RIBAND WAVE			3	12			**15**	
1722	**70.053**	FLAME CARPET	1			1			**2**	
1724	**70.051**	RED TWIN-SPOT CARPET	2			6			**8**	
1727	**70.054**	SILVER-GROUND CARPET	5	1					**6**	
1728	**70.049**	GARDEN CARPET					1		**1**	
1732	**70.045**	SHADED BROAD-BAR			20	10			**30**	
1738	**70.061**	COMMON CARPET			1	20			**21**	
1742	**70.059**	YELLOW SHELL				5			**5**	
1752	**70.087**	PURPLE BAR	2			9			**11**	
1758	**70.093**	BARRED STRAW		19					**19**	
1760	**70.095**	RED-GREEN CARPET						2	**2**	
1764	**70.097**	COMMON MARBLED CARPET	2	1		2	9		**14**	
1765	**70.085**	BARRED YELLOW		2					**2**	
1773	**70.086**	BROKEN-BARRED CARPET	6						**6**	
1776	**70.100**	GREEN CARPET	27				16		**43**	
1792	**70.119**	DARK UMBER			2				**2**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	Nov	TOTAL	Comment
1799	**70.106**	WINTER MOTH						2	**2**	
1803	**70.133**	SMALL RIVULET			2				**2**	
1807	**70.137**	GRASS RIVULET	9						**9**	
1812	**70.148**	MAPLE PUG				1			**1**	
1819	**70.184**	MOTTLED PUG	12						**12**	
1825	**70.173**	LIME-SPECK PUG	1			2			**3**	
1834	**70.183**	COMMON PUG	4						**4**	
1837	**70.190**	GREY PUG	3	2					**5**	
1840	**70.189**	SHADED PUG		1					**1**	
1853	**70.157**	OAK-TREE PUG	2						**2**	
1858	**70.142**	V-PUG			4				**4**	
1860	**70.144**	GREEN PUG		3					**3**	
1862	**70.141**	DOUBLE-STRIPED PUG	1						**1**	
1867	**70.192**	TREBLE-BAR				1			**1**	
1883	**70.200**	YELLOW-BARRED BRINDLE	1						**1**	
1884	**70.205**	MAGPIE MOTH				9	2		**11**	
1887	**70.207**	CLOUDED BORDER			2				**2**	
1888	**70.208**	SCORCHED CARPET				1			**1**	
1902	**70.222**	BROWN SILVER-LINE	1						**1**	
1904	**70.224**	SCORCHED WING	1	2					**3**	
1906	**70.226**	BRIMSTONE MOTH	6	19	2	35	35		**97**	
1913	**70.234**	CANARY-SHOULDERED THORN				4			**4**	
1914	**70.235**	DUSKY THORN				1	12		**13**	
1915	**70.236**	SEPTEMBER THORN				1			**1**	
1917	**70.237**	EARLY THORN			6	1			**7**	
1921	**70.241**	SCALLOPED OAK		1	9				**10**	
1922	**70.243**	SWALLOW-TAILED MOTH		1					**1**	
1923	**70.244**	FEATHERED THORN						8	**8**	
1931	**70.252**	PEPPERED MOTH		1	2	1			**4**	
1935	**70.256**	MOTTLED UMBER						1	**1**	
1937	**70.258**	WILLOW BEAUTY		1	1	5	1		**8**	
1941	**70.265**	MOTTLED BEAUTY		13					**13**	
1955	**70.277**	COMMON WHITE WAVE	1						**1**	
1956	**70.278**	COMMON WAVE		1					**1**	
1958	**70.280**	CLOUDED SILVER	13	11	2				**26**	
1961	**70.283**	LIGHT EMERALD		8	2		3		**13**	
1979	**69.001**	LIME HAWK-MOTH	3	1					**4**	
1980	**69.002**	EYED HAWK-MOTH	2	1					**3**	
1981	**69.003**	POPLAR HAWK-MOTH	7	5	3	2			**17**	
1991	**69.016**	ELEPHANT HAWK-MOTH	2	2	2				**6**	
1992	**69.017**	SMALL ELEPHANT HAWK-MOTH	1						**1**	
1994	**71.025**	BUFF-TIP	1	3	1				**5**	
1997	**71.005**	SALLOW KITTEN				1			**1**	
2000	**71.012**	IRON PROMINENT	2			1			**3**	
2003	**71.013**	PEBBLE PROMINENT	1	2		1			**4**	
2007	**71.017**	SWALLOW PROMINENT	1			4			**5**	
2008	**71.021**	COXCOMB PROMINENT				2			**2**	
2011	**71.020**	PALE PROMINENT	3	1		2			**6**	
2028	**72.015**	PALE TUSSOCK	10						**10**	
2030	**72.013**	YELLOW-TAIL		1	8	2			**11**	
2031	**72.009**	WHITE SATIN		1	3				**4**	
2044	**72.044**	DINGY FOOTMAN			1	10			**11**	
2047	**72.046**	SCARCE FOOTMAN			4	6			**10**	
2050	**72.045**	COMMON FOOTMAN		2	84	3			**89**	
2060	**72.020**	WHITE ERMINE	12	3					**15**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	Nov	TOTAL	Comment
2061	**72.019**	BUFF ERMINE	1	4					**5**	
2064	**72.024**	RUBY TIGER			9	2	2		**13**	
2069	**72.031**	CINNABAR MOTH		3					**3**	
2077	**74.003**	SHORT-CLOAKED MOTH			1				**1**	
2087	**73.319**	TURNIP MOTH						1	**1**	
2089	**73.317**	HEART & DART	3	39	5				**47**	
2092	**73.325**	SHUTTLE-SHAPED DART	3		1	7			**11**	
2098	**73.328**	FLAME	1	7					**8**	
2102	**73.329**	FLAME SHOULDER	12	2		31	2		**47**	
2107	**73.342**	LARGE YELLOW UNDERWING	2	5	6	11	45		**69**	
2109	**73.345**	LESSER YELLOW UNDERWING		1	1	1	4		**7**	
2110	**73.343**	BROAD-BORDERED YELLOW UNDERWING			4		2		**6**	
2111	**73.348**	LESSER BROAD-BORDERED YELLOW UNDERWING				24	1		**25**	
2112	**73.346**	LEAST YELLOW UNDERWING				1			**1**	
2114	**73.351**	DOUBLE DART		1					**1**	
2120	**73.333**	INGRAILED CLAY		1					**1**	
2123	**73.334**	SMALL SQUARE-SPOT	1			3	1		**5**	
2126	**73.359**	SETACEOUS HEBREW CHARACTER	11	28		29	87	1	**156**	
2128	**73.361**	DOUBLE SQUARE-SPOT			1				**1**	
2133	**73.358**	SIX-STRIPED RUSTIC				1			**1**	
2134	**73.357**	SQUARE-SPOT RUSTIC				3	379		**382**	
2145	**73.255**	NUTMEG					1		**1**	
2160	**73.267**	BRIGHT-LINE BROWN-EYE		1	3				**4**	
2173	**73.281**	LYCHNIS	1						**1**	
2178	**73.253**	FEATHERED GOTHIC					4		**4**	
2181	**73.251**	SILVER CLOUD	1						**1**	
2192	**73.290**	BROWN-LINE BRIGHT-EYE			12	1			**13**	
2193	**73.298**	CLAY		1	9				**10**	
2194	**73.297**	WHITE-POINT		2					**2**	
2198	**73.293**	SMOKY WAINSCOT		5	26	4			**35**	
2199	**73.291**	COMMON WAINSCOT	21	25	3	14	58		**121**	
2205	**73.301**	SHOULDER-STRIPED WAINSCOT	1	9			1		**11**	
2216	**73.052**	SHARK		1					**1**	
2227	**73.065**	SPRAWLER						2	**2**	
2231	**73.231**	DEEP-BROWN DART					1		**1**	
2232	**73.233**	BLACK RUSTIC					3		**3**	
2247	**73.224**	MERVEILLE DU JOUR					2		**2**	
2256	**73.210**	SATELLITE						2	**2**	
2258	**73.194**	CHESTNUT						1	**1**	
2259	**73.195**	DARK CHESTNUT						5	**5**	
2262	**73.192**	BRICK						1	**1**	
2263	**73.189**	RED-LINE QUAKER						1	**1**	
2264	**73.190**	YELLOW-LINE QUAKER						2	**2**	
2266	**73.187**	BROWN-SPOT PINION					1		**1**	
2269	**73.219**	CENTRE-BARRED SALLOW					44		**44**	
2270	**73.193**	LUNAR UNDERWING					9		**9**	
2272	**73.180**	BARRED SALLOW					1		**1**	
2274	**73.182**	SALLOW					2		**2**	
2278	**73.046**	POPLAR GREY	3	1					**4**	
2281	**73.036**	ALDER MOTH	1						**1**	
2283	**73.037**	DARK DAGGER	1		1	1			**3**	
2284x	**73.038x**	Dark/Grey Dagger		5					**5**	
2284	**73.038**	GREY DAGGER				1			**1**	
2289	**73.045**	KNOT GRASS	1			2			**3**	
2291	**73.047**	CORONET	2	1	1				**4**	

B & F	New	Species Name	May	Jun	Jul	Aug	Sep	Nov	TOTAL	Comment
2292	**73.082**	TREE-LICHEN BEAUTY				2			**2**	
2293	**73.084**	MARBLED BEAUTY				1			**1**	
2297	**73.062**	COPPER UNDERWING				1	7		**8**	
2299	**73.064**	MOUSE MOTH				4	3		**7**	
2302	**73.102**	BROWN RUSTIC		3					**3**	
2303	**73.109**	STRAW UNDERWING				28			**28**	
2306	**73.113**	ANGLE SHADES		1			2	1	**4**	
2318	**73.216**	DUN-BAR			3	3			**6**	
2319	**73.217**	LUNAR-SPOTTED PINION			1				**1**	
2321	**73.162**	DARK ARCHES		16	22	22	1		**61**	
2322	**73.163**	LIGHT ARCHES		1	5				**6**	
2326	**73.156**	CLOUDED-BORDERED BRINDLE	1						**1**	
2330	**73.154**	DUSKY BROCADE		4					**4**	
2333	**73.157**	LARGE NUTMEG	7	4					**11**	
2334	**73.158**	RUSTIC SHOULDER-KNOT	15	4					**19**	
2337x	**73.173x**	Marbled Minor agg.	8	35	2				**45**	
2340	**73.176**	MIDDLE-BARRED MINOR	4	34					**38**	
2341	**73.172**	CLOAKED MINOR			5	38			**43**	
2343x	**73.169x**	Common Rustic agg.			50	39			**89**	
2352	**73.120**	DUSKY SALLOW			20	9			**29**	
2353	**73.131**	FLOUNCED RUSTIC				16	17		**33**	
2361	**73.123**	ROSY RUSTIC				2	2		**4**	
2364	**73.121**	FROSTED ORANGE					4		**4**	
2380	**73.101**	TREBLE LINES	15	6					**21**	
2381	**73.096**	UNCERTAIN		13	22	2			**37**	
2382	**73.097**	RUSTIC		2	15	1			**18**	
2384	**73.099**	VINE'S RUSTIC	1			1	3		**5**	
2387	**73.092**	MOTTLED RUSTIC		1					**1**	
2389	**73.095**	PALE MOTTLED WILLOW	1						**1**	
2434	**73.012**	BURNISHED BRASS		1		2	2		**5**	
2439	**73.022**	GOLD SPOT				1			**1**	
2441	**73.015**	SILVER Y			2		1		**3**	
2443	**73.017**	PLAIN GOLDEN Y			1				**1**	
2450	**73.001**	SPECTACLE		1		2			**3**	
2452	**72.078**	RED UNDERWING				1	2		**3**	
2473	**72.069**	BEAUTIFUL HOOK-TIP		6	1				**7**	
2474	**72.002**	STRAW DOT	2	15		24			**41**	
2477	**72.003**	SNOUT		3			6		**9**	
334	**52**		420	1056	553	971	847	43	**3890**	



Dawn arrives at Sun Rising 16th June, 2020

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
34	**4.099**	*Ectoedemia occultella*	Common	Birch
37	**4.089**	*Ectoedemia albifasciella*	Common	Oak, Sweet Chestnut
38	**4.090**	*Ectoedemia subbimaculella*	Common	Oak, Sweet Chestnut
40	**4.071**	*Bohemannia pulverosella*	Common	Apple
68	**4.035**	*Stigmella salicis*	Common	Rough-leaved Willows
70	**4.038**	*Stigmella obliquella*	Local	Smooth-leaved Willows
78	**4.053**	*Stigmella incognitella*	Local	Apple
83	**4.061**	*Stigmella atricapitella*	Common	Oak
84	**4.060**	*Stigmella ruficapitella*	Common	Oak
86	**4.063**	*Stigmella roborella*	Common	Oak
97	**4.013**	*Stigmella malella*	Local	Apple
102	**4.012**	*Stigmella aceris*	Local	Field Maple, Sycamore
112	**4.007**	*Stigmella luteella*	Common	Birch
169	**54.008**	Six-Spot Burnet	Common	Common Bird's-foot-trefoil
216	**12.016**	Cork Moth	Common	Bracket Fungi, Dry-rot Fungus & Stored/Dried Vegetable Matter
228	**12.037**	*Monopis weaverella*	Common	Dead Organic Matter
260	**21.008**	*Leucoptera malifoliella*	Common	Rosaceous Trees
266	**14.002**	*Bucculatrix nigricomella*	Local	Ox-eye Daisy
274	**14.010**	*Bucculatrix ulmella*	Common	Oak
287	**15.009**	*Caloptilia robustella*	Common	Oak
294	**15.015**	*Aspilapteryx tringipennella*	Common	Ribwort Plantain
308	**15.032**	*Parornix finitimella*	Common	Blackthorn
310	**15.022**	*Callisto denticulella*	Common	Apple, Crab Apple, Pear, Cherry, Rowan, Hawthorn
315	**15.034**	*Phyllonorycter harrisella*	Common	Oak
317	**15.036**	*Phyllonorycter heegeriella*	Common	Oak
326	**15.046**	*Phyllonorycter blancardella*	Common	Apple
335	**15.056**	*Phyllonorycter salicicolella*	Common	Willows
362	**15.084**	*Phyllonorycter acerifoliella*	Common	Field Maple
364	**15.086**	*Phyllonorycter geniculella*	Common	Sycamore
389	**48.007**	Apple Leaf Skeletonizer	Local	Rosaceous Trees & Apple
391	**19.007**	*Glyphipterix simpliciella*	Common	Cock's-foot
424	**16.001**	*Yponomeuta evonymella*	Common	Bird-cherry
425	**16.002**	*Yponomeuta padella*	Common	Hawthorn, Blackthorn, Cherry
427	**16.004**	*Yponomeuta cagnagella*	Common	Spindle
436	**16.014**	*Pseudoswammerdamia combinella*	Common	Blackthorn
440	**16.019**	*Paraswammerdamia albicapitella*	Common	Blackthorn
441	**16.020**	*Paraswammerdamia nebulella*	Common	Hawthorn, Rowan
448a	**22.003**	*Prays ruficeps*	Unknown	Ash
449	**22.002**	*Prays fraxinella*	Common	Ash
455	**17.005**	*Ypsolopha scabrella*	Common	Apple, Blackthorn, Cotoneaster
456	**17.006**	*Ypsolopha horridella*	**Nb**	Apple, Blackthorn
460	**17.010**	*Ypsolopha parenthesella*	Common	Oak, Birch, Hazel, Hornbeam
464	**18.001**	Diamond-back Moth	Migrant	Brassicaceae
491	**37.006**	*Coleophora gryphipennella*	Common	Rose
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

B & F	New	Species Name	National Status	Foodplants
544	**37.063**	*Coleophora albicosta*	Common	Gorse
553	**37.099**	*Coleophora striatipennella*	Common	Stitchwort, Mouse-ear etc.
559	**37.093**	*Coleophora peribenanderi*	Common	Thistle, Burdock
565	**37.083**	*Coleophora saxicolella*	Local	Orache, Goosefoot
584	**37.073**	*Coleophora alticolella*	Common	Juncus Rushes
587	**37.069**	*Coleophora caespititiella*	Common	Juncus Rushes
607	**38.037**	*Elachista canapennella*	Common	Grasses
610	**38.004**	*Elachista argentella*	Common	Grasses
632	**38.048**	*Elachista consortella*	**Nb**	Annual Meadow-grass
642	**28.014**	*Crassa unitella*	Common	Dead Wood
644	**28.012**	*Borkhausenia fuscescens*	Common	Decaying Leaves
658	**31.001**	*Carcina quercana*	Common	Deciduous Trees & Bushes
688	**32.018**	*Agonopterix heracliana*	Common	Apiaceae, esp. Angelica, Hogweed
726	**35.058**	*Metzneria metzneriella*	Common	Knapweed, Saw-wort
758	**35.157**	*Recurvaria leucatella*	Local	Apple, Hawthorn
772	**35.148**	*Carpatolechia fugitivella*	Local	Elm
782	**35.046**	*Bryotropha senectella*	Local	Mosses
787	**35.040**	*Bryotropha terrella*	Common	Mosses, Grasses
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
883	**40.015**	*Mompha raschkiella*	Common	Rosebay Willowherb
886	**40.002**	*Mompha ochraceella*	Common	Great Willowherb
890	**40.006**	*Mompha jurassicella*	**Na**	Great Willowherb
893	**40.010**	*Mompha epilobiella*	Common	Great Willowherb
905	**39.001**	*Blastodacna hellerella*	Common	Hawthorn
936	**49.097**	*Cochylimorpha straminea*	Common	Common Knapweed
937	**49.109**	*Agapeta hamana*	Common	Thistles
938	**49.110**	*Agapeta zoegana*	Common	Common Knapweed, Scabious
947	**49.120**	*Aethes smeathmanniana*	Common	Knapweed, Yarrow, Corn Chamomile
965	**49.136**	*Cochylis 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
977	**49.013**	Large Fruit-tree Tortrix	Common	Deciduous Trees & Bushes
986	**49.028**	*Syndemis musculana*	Common	Polyphagous
989	**49.031**	Timothy Tortrix	Common	Grasses, Herbaceous plants
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
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.*	–	–
1023	**49.054**	*Cnephasia genitalana*	Local	Herbaceous plants
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
1053	**49.080**	*Acleris hastiana*	Common	small-leaved Willows
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
1097	**49.186**	*Endothenia gentianaeana*	Common	Teasel

B & F	New	Species Name	National Status	Foodplants
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
1134	**49.249**	*Epinotia ramella*	Common	Birch
1159	**49.223**	*Rhopobota naevana*	Common	Polyphagous
1169	**49.279**	*Gypsonoma dealbana*	Common	Hawthorn, Oak, Poplar, Willow etc.
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
1200	**49.266**	*Eucosma hohenwartiana*	Common	Common Knapweed. Saw-wort
1201	**49.265**	*Eucosma cana*	Common	Common Knapweed. Thistle
1205	**49.224**	*Spilonota ocellana*	Common	Deciduous Trees & Shrubs
1233	**49.376**	*Pammene aurita*	Local	Sycamore
1279	**49.313**	*Dichrorampha acuminatana*	Local	Yarrow, Tansy
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
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
1348	**63.117**	Ringed China-mark	Common	submerged pond & freshwater plants
1356	**63.057**	Garden Pebble	Common	Cabbage, Radish
1374	**63.030**	*Paratalanta hyalinalis*	**Nb**	Common Knapweed, Great Mullein
1376	**63.025**	Small Magpie	Common	Common Nettle
1380	**63.020**	*Anania perlucidalis*	Common	Thistles
1386	**63.016**	*Anania fuscalis*	Local	Wild Marjoram, Thyme etc.
1390	**63.034**	*Udea prunalis*	Common	Herbaceous plants
1392	**63.037**	*Udea olivalis*	Common	Herbaceous plants
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
1458	**62.042**	Thistle Ermine	Common	Thistle, Burdock
1470	**62.048**	*Euzophera pinguis*	Common	Ash
1481	**62.054**	*Homoeosoma sinuella*	Common	Plantains
1483	**62.058**	*Phycitodes binaevella*	Common	Thistle
1497	**45.010**	*Amblyptilia acanthadactyla*	Common	Herbaceous plants
1513	**45.030**	*Pterophorus pentadactyla*	Common	Bindweed
1524	**45.044**	*Emmelina monodactyla*	Common	Bindweed
1526	**57.006**	Small Skipper	Common	Tall Grasses
1550	**58.007**	Small White	Common	Brassicaceae, Nasturtiums
1551	**58.008**	Green-veined White	Common	Lady's Smock, Water Cress, Garlic & Hedge Mustard
1561	**61.001**	Small Copper	Local	Sweet Rocket, Sorrel, Dock
1625	**59.011**	Gatekeeper	Common	Grasses
1626	**59.010**	Meadow Brown	Common	Grasses
1629	**59.009**	Ringlet	Common	Tall Grasses
1631	**66.001**	DECEMBER MOTH	Common	Deciduous Trees esp. Oak
1632	**66.002**	PALE EGGAR	Common	Oak, Birch, Sallow, Blackthorn, Hawthorn, Hazel, Crab Apple

B & F	New	Species Name	National Status	Foodplants
1634	**66.003**	LACKEY	Common	Deciduous Trees & Shrubs
1640	**66.010**	DRINKER	Common	Grasses
1648	**65.005**	PEBBLE HOOK-TIP	Common	Birch
1651	**65.007**	CHINESE CHARACTER	Common	Hawthorn, Blackthorn
1652	**65.008**	PEACH BLOSSOM	Common	Peach Blossom
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
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
1722	**70.053**	FLAME CARPET	Common	Umbellifers? - NOT REALLY KNOWN
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
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
1773	**70.086**	BROKEN-BARRED CARPET	Common	Deciduous Trees
1776	**70.100**	GREEN CARPET	Common	Bedstraws
1792	**70.119**	DARK UMBER	Local	Buckthorn, Alder Buckthorn
1799	**70.106**	WINTER MOTH	Common	Deciduous Trees & Shrubs, Conifers
1803	**70.133**	SMALL RIVULET	Common	Hemp-nettle
1807	**70.137**	GRASS RIVULET	Local	Yellow-rattle
1812	**70.148**	MAPLE PUG	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
1837	**70.190**	GREY PUG	Common	Herbaceous plants, Broadleaved Shrubs
1840	**70.189**	SHADED PUG	Local	Herbaceous plants
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
1867	**70.192**	TREBLE-BAR	Common	St. John's-wort
1883	**70.200**	YELLOW-BARRED BRINDLE	Local	Holly, Ivy, Dogwood, Guelder Rose, Hawthorn
1884	**70.205**	MAGPIE MOTH	Common	Blackthorn, Hawthorn, Privet, Hazel +
1887	**70.207**	CLOUDED BORDER	Common	Aspen, Poplar, Sallow, Hazel
1888	**70.208**	SCORCHED CARPET	Local	Spindle
1902	**70.222**	BROWN SILVER-LINE	Common	Bracken
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

B & F	New	Species Name	National Status	Foodplants
1923	**70.244**	FEATHERED THORN	Common	Deciduous Trees & Shrubs
1931	**70.252**	PEPPERED MOTH	Common	Deciduous Trees & Shrubs, Herbaceous plants
1935	**70.256**	MOTTLED UMBER	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
1961	**70.283**	LIGHT EMERALD	Common	Deciduous Trees & Shrubs
1979	**69.001**	LIME HAWK-MOTH	Common	Birch, Alder, Lime, Elm
1980	**69.002**	EYED HAWK-MOTH	Common	Willow, Sallow, Apple
1981	**69.003**	POPLAR HAWK-MOTH	Common	Willow, Sallow, Aspen, Poplar
1991	**69.016**	ELEPHANT HAWK-MOTH	Common	Willowherbs, Himalayan Balsam, Bedstraws, Fuchsia etc
1992	**69.017**	SMALL ELEPHANT HAWK-MOTH	Local	Bedstraws
1994	**71.025**	BUFF-TIP	Common	Deciduous Trees & Shrubs
1997	**71.005**	SALLOW KITTEN	Common	Willow, Sallow, Aspen, Poplar
2000	**71.012**	IRON PROMINENT	Common	Oak, Beech, Birch, Hazel
2003	**71.013**	PEBBLE PROMINENT	Common	Willow, Sallow, Aspen, Poplar
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
2028	**72.015**	PALE TUSSOCK	Common	Deciduous Trees & Shrubs
2030	**72.013**	YELLOW-TAIL	Common	Willow, Sallow, Aspen, Poplar
2031	**72.009**	WHITE SATIN	Local	Deciduous Trees (mainly Oak) & Shrubs
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
2069	**72.031**	CINNABAR MOTH	Common	Common Ragwort, Groundsels
2077	**74.003**	SHORT-CLOAKED MOTH	Common	Hawthorn, Blackthorn, Crab Apple, Plum
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
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
2145	**73.255**	NUTMEG	Common	Herbaceous plants
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!
2192	**73.290**	BROWN-LINE BRIGHT-EYE	Common	Grasses

B & F	New	Species Name	National Status	Foodplants
2193	**73.298**	CLAY	Common	Grasses
2194	**73.297**	WHITE-POINT	Migrant	Grasses
2198	**73.293**	SMOKY WAINSCOT	Common	Grasses
2199	**73.291**	COMMON WAINSCOT	Common	Grasses
2205	**73.301**	SHOULDER-STRIPED WAINSCOT	Common	Grasses
2216	**73.052**	SHARK	Common	Sow-thistle, Wild Lettuce, Hawk's-beard, Hawksweed
2227	**73.065**	SPRAWLER	Common	Broadleaved Trees
2231	**73.231**	DEEP-BROWN DART	Common	Herbaceous & Woody Plants
2232	**73.233**	BLACK RUSTIC	Common	Low Growing Plants & Grasses
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
2263	**73.189**	RED-LINE QUAKER	Common	Willow, Sallow
2264	**73.190**	YELLOW-LINE QUAKER	Common	Oak, Beech, Poplar, Hawthorn
2266	**73.187**	BROWN-SPOT PINION	Common	Dock, Common Sorrel, Chickweed, Herbaceous plants
2269	**73.219**	CENTRE-BARRED SALLOW	Common	Ash
2270	**73.193**	LUNAR UNDERWING	Common	Grasses
2272	**73.180**	BARRED SALLOW	Common	Field Maple, Beech
2274	**73.182**	SALLOW	Common	Sallow, Poplar, Herbaceous plants
2278	**73.046**	POPLAR GREY	Common	Willow, Sallow, Aspen
2281	**73.036**	ALDER MOTH	Local	Deciduous Trees
2283	**73.037**	DARK DAGGER	Common	Deciduous Trees & Shrubs
2284x	**73.038x**	Dark/Grey 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
2292	**73.082**	TREE-LICHEN BEAUTY	Migrant	Lichens
2293	**73.084**	MARBLED BEAUTY	Common	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
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
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.	Common	Grasses
2340	**73.176**	MIDDLE-BARRED MINOR	Common	Grasses
2341	**73.172**	CLOAKED MINOR	Common	Grasses
2343x	**73.169x**	Common Rustic agg.	Common	Grasses
2352	**73.120**	DUSKY SALLOW	Common	Grasses
2353	**73.131**	FLOUNCED RUSTIC	Common	Grasses
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

B & F	New	Species Name	National Status	Foodplants
2387	**73.092**	MOTTLED RUSTIC	Common	Herbaceous Plants
2389	**73.095**	PALE MOTTLED WILLOW	Common	Grass seeds
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
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

Appendix IV – Other Wildlife Recorded During Survey

Amphibian	Great Crested Newt (*Triturus cristatus*)	**1**	8th September, 2020
Beetle	Common Cockchafer (*Melolontha melolontha*)	**5**	20th May, 2020
Beetle	*Nicrophorus investigator*	**1**	8th August, 2020
Beetle	Devil's Coachhorse (*Staphylinus olens*)	**1**	8th September, 2020
Caddis	*Stenophylax permistus*	**2**	20th May, 2020
Caddis	Grouse-wing Caddis (*Mysticides longicornis*)	**1**	20th May, 2020
Caddis	Cut-out Caddis (*Glyphotaelius pellucidus*)	**1**	8th September, 2020
Caddis	Cut-out Caddis (*Glyphotaelius pellucidus*)	**1**	10th November, 2020
Caddis	*Limnephilus marmoratus*	**1**	8th September, 2020
Caddis	Lunatic Caddis (*Limnephilus lunatus*)	**2**	10th November, 2020
Grasshopper	Roesel's Bush-cricket (*Metrioptera roeselii*)	**1**	8th August, 2020
Shieldbug	Red-legged Shieldbug (*Pentatoma rufipes*)	**1**	8th August, 2020
Shieldbug	Red-legged Shieldbug (*Pentatoma rufipes*)	**1**	8th September, 2020



Roesel's Bush-cricket (*Metrioptera roeselii*)
Sun Rising 8th August, 2020

Some Photos From Sun Rising 2020



2028 (72.015) **Pale Tussock** (*Calliteara pudibunda*) 20th May, 2020



2272 (73.180) **Barred Sallow** (*Tiliacea aurago*) 8th September, 2020



1923 (70.244) **Feathered Thorn** (*Colotois pennaria*) 10th November, 2020



A blazing summer sunset at Sun Rising 8th August, 2020