B53 Noths

IDENTIFICATION, RECORDING & COMMUNITY ENGAGEMENT: GORES MARSH PARK & BEYOND



The project

A wildlife project with 2 goals: To identify and record the moth species living in the Gores Marsh Park area and to give locals the chance to experience moth trapping in their own gardens.



Light trap used: Robinson 125w Mercury Vapour bulb

Moths. The unsung heroes of the natural world. While butterflies are celebrated for their colours and bees for their pollinating powers, moths can truly match a butterfly's beauty and rival a bee's work ethic. Like bees and butterflies, moths are living right here with us in our gardens and green spaces, you just have to look a little harder to find them. One invaluable tool that makes that task a whole lot easier is a Moth Light Trap (left).

The BS3 Wildlife Group has 3 moth traps available for loan (2 x Skinner and 1 x Robinson (pictured left). The Robsinson trap has spent the season with Charlie Tallis, who has been regularly light-trapping in her garden, which backs onto Gores Marsh Park in Ashton. BS3. Bristol.



Elephant Hawk and Eyed Hawk moths sharing an egg box with a Large Yellow Underwing and a Bird Cherry Ermine

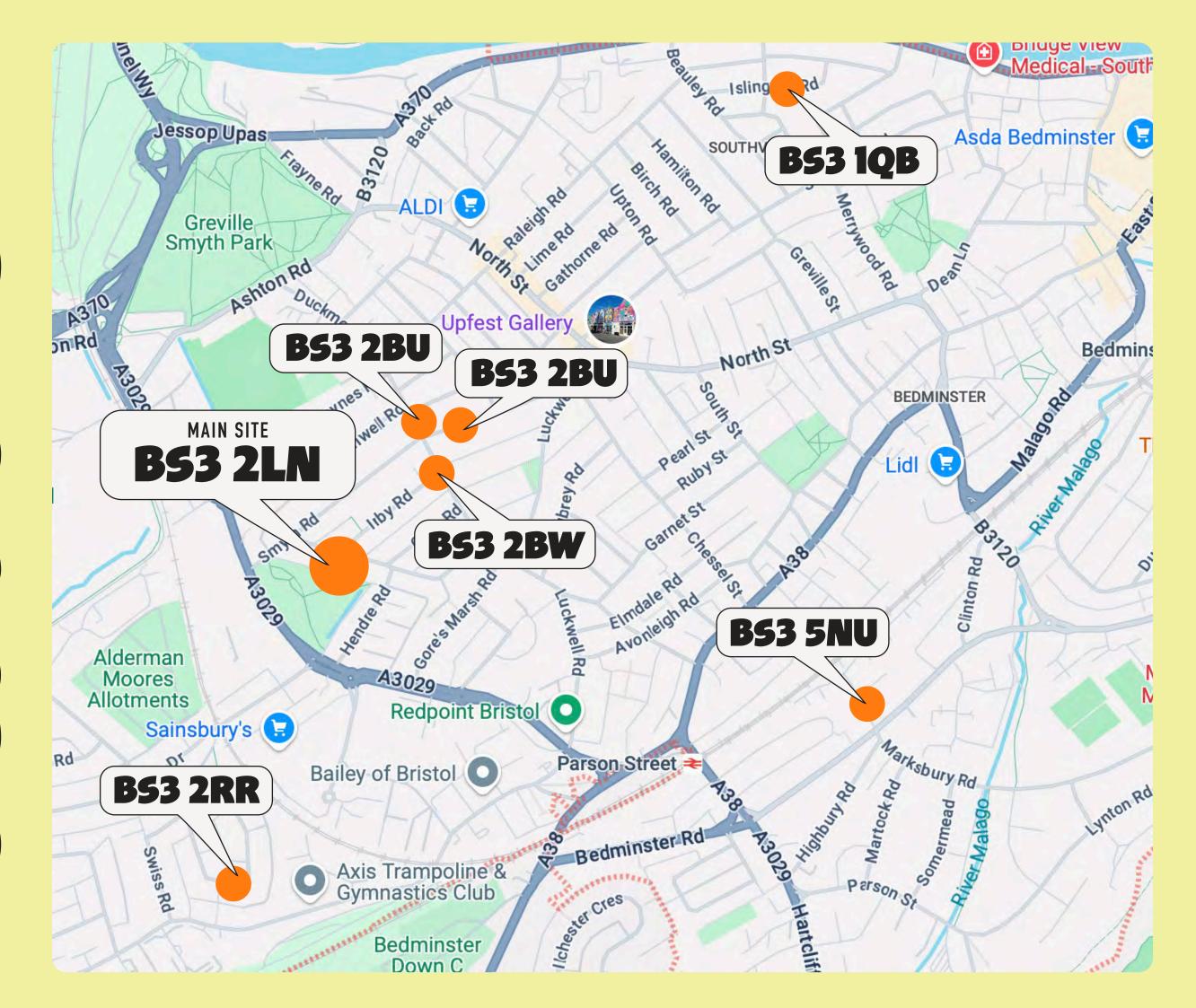
In addition to using the trap in her own garden, Charlie has taken it to the gardens of other BS3 Wildlife Group members eager to try mothing themselves! These sessions took place every one to two weeks from April to October 2024, despite a rather wet and chilly summer.

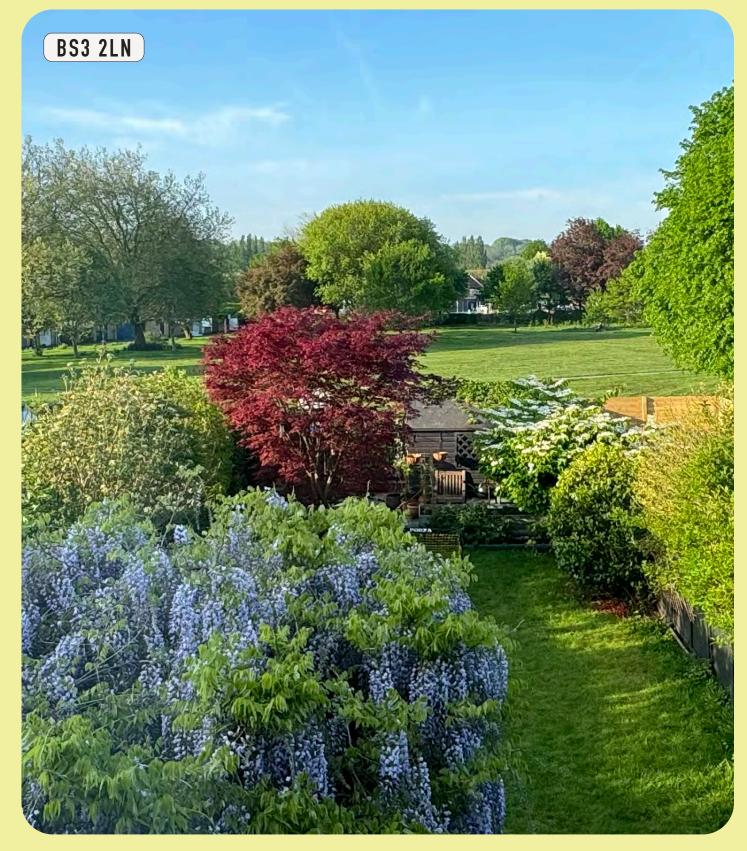
Through this project, we've gained valuable insight into the moth species around Gores Marsh Park but have also offered the community an up-close look at the stunning moths of BS3. It has been lovely to see children of all ages as they hold a moth for the first time. Kids in cities especially, should be given every opportunity possible to interact with local wildlife, and moths are the perfect, docile candidates!

This report aims to share the total numbers of moth species and individuals so we have some data to analyse and compare, but also celebrate the vibrant diversity and beauty of the marvellous moths of BS3!

NOTE: THE FOCUS HAS BEEN ON MACRO MOTH SPECIES. ALL PHOTOS IN THIS REPORT WERE TAKEN DURING THE MORNING MOTHING SESSIONS, ON AN IPHONE ALL DATA WILL BE SUBMITTED TO BRERC.

WHERE?





Garden guests

We might live in a major UK city, but it's no wonder these moths are living among us – just look at some of the lush gardens at the locations visited...











TOTAL SPECIES









TOTAL INDIVIDUALS



SHUTTLE-SHAPED DART

JERSEY TIGER

13 THE UNCERTAI

MOTHER OF PEARL

BRIMSTONE

LIGHT BROWN APPLE

RIBAND WAVE

HEART & DART

DARK ARCHES

13
DOUBLE-STRIPED P

COMMON RUSTIC AGG

SETACEOUS HEBREW CHARACTER

WILLOW BEAUTY

LARGE YELLOW UNDERWING

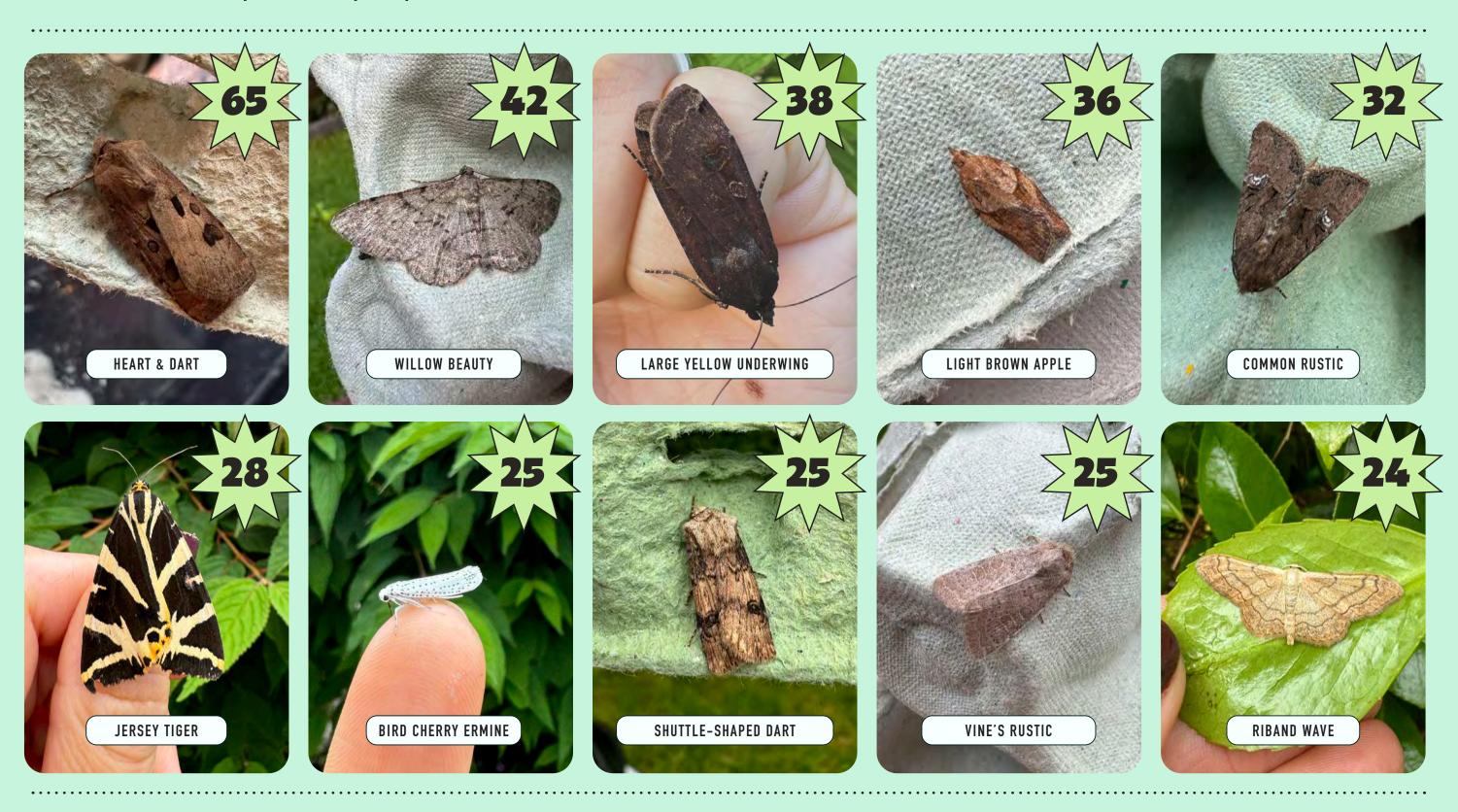
VINE'S RUSTIC

Top 20

From April - Oct, these are the most common moth species seen across all locations. The numbers are the total number of individuals identified throughout the season.

TOP10

Let's take a look at some pics of the top 10 species seen across all locations.



re been blown away by the variety and beauty of local moth species

SARAH BREAUX - BS3 WILDLIFE GROUP MEMBER

GROUPS



B53 GIANTS

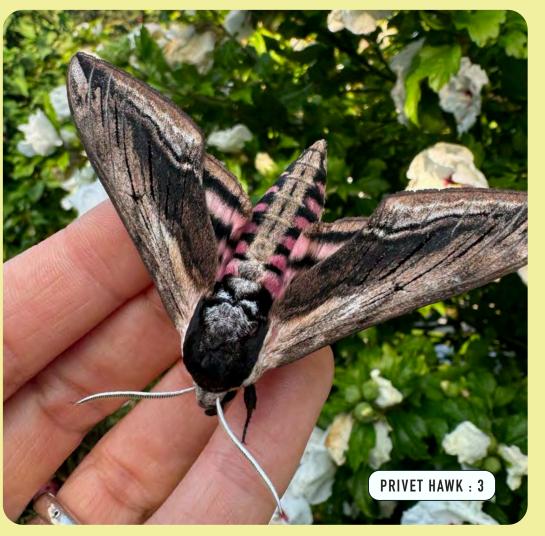
















t's such a genuine privilege to interact with these beautiful, concealed members of local wildlife.

CHARLIE TALLIS - BS3 WILDLIFE GROUP MEMBER



















RAINBOWS AFTER DARK*



















It's lovely to be able to observe and record moths without hurting them

LUCY CONROY - BS3 WILDLIFE GROUP MEMBER













BROWN ISN'T BORING



BUFF ARCHES: 3



GOLD TRIANGLE : 1















first-hand nature experiences bring such a buzz for life

SALLY IMBERT - BS3 WILDLIFE GROUP MEMBER





















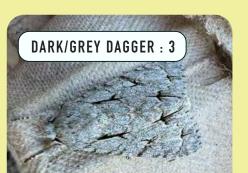
MOTTLED BEAUTY: 1



KNOT GRASS: 2











AUGUST THORN: 3









SPREAD THE LOVE

Moths are often misunderstood and feared, even by those who have rarely encountered them. By travelling around BS3 with the light trap, we've been able to connect people with these beautiful, diverse and fascinating creatures. It has been wonderful to see faces light up as the egg boxes are turned.













FOR THE KIDS

It's vital to instil kids with a sense of connection and love for the natural world – especially in the city. The little people of BS3 have loved getting up close and personal with our moth friends this year.











How can I attract more moths into my garden?

BE SURE TO CONSIDER FOOD PLANTS FOR CATERPILLARS
AS WELL AS ADULT MOTHS, THERE ARE SOME IDEAS ON
THIS PAGE BUT IF YOU KEEN TO ATTRACT A SPECIFIC MOTH –
GOOGLE IS YOUR FRIEND. LEAVE LEAF AND PLANT LITTER SO
OVERWINTERING MOTHS ARE LEFT UNDISTURBED TOO.



SWEET ROCKET



JASMINE



HONEYSUCKLE

CATERPILLAR FOOD PLANTS:



COMFREY



IVY



NETTLE

Even a few pots or a window box will do wonders!



LADY'S BEDSTRAW



FOXGLOVES



EVENING PRIMROSE

The long list

	10/01/01	07/05/04	00/05/04		00/05/04	0.1/05/01	00/05/04	0.1/05/0004	00/00/04	10/00/01	10/00/01	4 = (0.0 (0.4	10/00/01	00/07/04		11/07/01	00/07/04	0.1/07/01	00/07/0004		40/00/0004	45/00/0004	10/00/000		20/21	. = /aa/aaa	00/0/0004		
Species	19/04/24 BS3 2LN	BS3 2LN	08/05/24 BS3 5NU	11/05/24 BS3 2LN		BS3 2LN	30/05/24 BS3 2BU	31/05/2024 BS3 2LN	06/06/24 BS3 2RS	12/06/24 BS3 2LN	13/06/24 BS3 1QB	17/06/24 BS3 2LN	19/06/24 BS3 2LN	03/07/24 BS3 2LN	11/07/2024 BS3 2LN	14/07/24 BS3 2LN	20/07/24 BS3 2LN	BS3 2BU		30/07/2024 BS3 2LN			18/08/2024 BS3 2LN	19/08/2024 29/ BS3 5NU BS		BS3 2LN			OTAL
Heart and Dart				1	2	8	12	15	4	3	3	2	3	3	2	1	3				1		1	1					65
Willow Beauty		2		7	8	3	4	3	1			1	1	1	1				1		1		2	2	3	1			42
Large Yellow Underwing					1	1			1		1	2	1	3		1	3			2	1	1	4			6	10	;	38
Light Brown Apple	1	5	7	2	2	1	1	1	1			1					1	4	1	1	2	1	3	1				:	36
Common Rustic agg														1		6	6	1	5	1		4	6	2				:	32
Jersey Tiger																	1	1	1	16	2	2	3	2				:	28
Bird Cherry Ermine													3	4	3	4		3	1		2	1	4					:	25
Shuttle Shaped Dart		1		1	2	1		3									1		1		2	4	7	2					25
Vine's Rustic							1			1	1	1	1	1							2	2	10	4	1				25
Riband Wave										1			1	5	2	2	8	1	3					1					24
Setaceous Hebrew Character					1	2		1		2			1	1							2	3	6	3			2		24
Brimstone	1	1		1			1										2		2	1	2	2	3	3					19
Dark Arches								1	2		1		1	4	3	1	2		2			1							18
Mother of Pearl														2	2	1	2	1	5	1	2		2						18
Garden Grass-Veneer									2				2	3	1	1	2	1	-	•	_	1	2	2					17
Square-spot Rustic									_				-				_				2	2	4		2	2			17
Flame Shoulder		1	1	1		1											1			1	3	1	4	2	_	-			16
Common Marbled Carpet		'	1	2	2	2	2	4		1			1				,				3	'	7	-					15
Double Striped Pug		1	2		2		2	1						1	2		1		2	1			1		1				13
				0	4			'						'	2		'		2	'			'		'				
Oak Longhorn Silver Y		2	6	3	1	1								4			2		1	2	1		3						12
		1				1								1						2			3						12
The Uncertain														2	2	2	1	1	1 .		2								11
Common Footman												2		1	3	1	2	1	1				_						11
Garden Carpet	1			1	1		1	1									1			1			2	1	1				11
Morning Glory Plume								2					1	1			1		1	1	1	1	2						11
Netted Tortrix														1	2	2	2		3				1						11
Spectacle							3							1	1					1	2	1		1					10
Lesser Broad-bordered Yellow Underwing																					1	1	4	3					9
Bright Line Brown Eye		1						1		2	1						2		1										8
Cinnabar		1		1	1		1		2		2																		8
Elderberry Pearl														1	1	3			2					1					8
Elephant Hawk														1	1	1	2		1	1		1							8
Rosy Tabby														1		2	1	1	2		1								8
Small Magpie					1	2		1				2		1	1														8
Snout							2	1				1				1							1		1	1			8
Copper Underwing																				1	1		3	1		1			7
Lesser Yellow Underwing																	1								4	2			7
Orange Swift																					1	1	1	3	1				7
Orchard Ermine																1	3	2	1										7
Pebble Hook-tip								1							1		2	1					2						7
Cabbage								1													1	2	1	1					6
Flounced Rustic																							3	2	1				6
Lime-speck Pug					1			1	1				1		1										1				6
Minor Unkown							2	1	1			1		1															6
Nut Tree Tussock														2	1	2	1												6
Tawny Grey (eudonia lacustrata)							1		2			1	1				1												6
Brindled Pug		2		2	1																								5
Cloaked Minor														1			3				1								5
Freyer's Pug				1	2	1						1																	5
Light Emerald				1				2															1			1			5
Staw Dot							1			1											1	1	1						5
Straw Underwing																							1	3	1				5
Buff Ermine								1		1	1					1													4
Common Emerald													1	1	1		1												4
Dingy Footman																					1	1	2						4
Fan Foot															2	1			1		,	'	_						4
Flame														1	2	1			'										4
Green Carpet		1	1												۷	ı							1		1				4
L-album Wainscot			1									2		1													1		4
L-aibum Wainscot	1											2		1													1		4

Continued...

Species	19/04/24	07/05/24	08/05/24	11/05/24	20/05/24	24/05/24	30/05/24	31/05/2024	06/06/24	12/06/24	13/06/24	17/06/24	19/06/24	03/07/24	11/07/2024	14/07/24	20/07/24	24/07/24	26/07/2024	30/07/2024	10/08/2024	15/08/2024	18/08/202/	19/08/2024 29/08/24	15/09/2024	29/9/2024 24/10/2/	4 TOTAL
Species			BS3 5NU			BS3 2LN		BS3 2LN	BS3 2RS	BS3 2LN		BS3 2LN	BS3 2LN	BS3 2LN	BS3 2LN		BS3 2LN		BS3 2LN					BS3 5NU BS3 2BV			
Heart and Dart				1	2	8	12	15	4	3	3	2	3	3	2	1	3				1		1	1			65
Plume		0		7	0	•	1	9	1			1	1	1	1				1		1		0	1 1	- 1		4
The Clay															3				1								4
Angle Shades				1																			1			1	3
August Thorn															1	1							1				3
Black-fronted Straw (Cochylis atricapitana)			1	1					1																		3
Box Tree														1						2							3
Brown House													1	1					1								3
Buff Arches													1	1		1											3
Common Carpet			1				1										1										3
Dark Spectacle			1			1											1										3
Dark/grey Dagger																	1		1	1							3
Dusky Pearl (Udea Prunalis)															1		1			1							3
Heart & Club										1										2							3
Lime Hawk	1				2																						3
Maple Pug																1	1		1								3
Marbled Minor					1				1	1																	3
Muslin			2	1																							3
Peppered				1	1									1													3
Privet Hawk																1	1			1							3
Rosy Footman																	1		1				1				3
Ruby Tiger																	1		2								3
Treble Lines					1	2																					3
Turnip		1																				1	1				3
Twenty Plume			1													1	1										3
White Shouldered House	1							1									1										3
Beautiful Hook-tip							1							1													2
Blood-vein																						1	1				2
Brindled Beauty	2																										2
Buff Tip				2																							2
Common Grey (Scoparia ambigualis)		1													1												2
Common Pug					2																						2
Common Quaker																							1	1			2
Common Swift								1					1														2
Common White Wave									1												1						2
Dun-bar																				1		1					2
Eyed Hawk													1				1										2
Garden Pebble																							2				2
Green Pug							1					1															2
Iron Prominent																	1	1									2
Knot Grass							1															1					2
Lunar Underwing																									1	1	2
Mint																			1	1							2
Pale Mottled Willow									2																		2
Pale Prominent																1			1								2
Red Barred Tortrix							1						1														2
Rustic Shoulder Knot			1		1																						2
Small Dusty Wave							1																1				2
The Coronet															1					1							2
Treble Brown Spot							1							1													2
Yellow Shell																					1		1				2
Poplar Hawk									1				1														2
Barred Marble							1																				1
Beautiful Plume																						1					1
Black Arches																				1							1
Black Cloak (Notocelia Cynobatella)					1																						1
Broad-bordered yellow Underwing																									1		1
Canary-shouldered Thorn																	1										1
Carnation Tortrix																								1			1
	1								i								1										

Continued...

Species	19/04/24	07/05/24	08/05/24	11/05/24 20	/05/24	24/05/24	30/05/24	31/05/2024	06/06/24	12/06/24	13/06/24	17/06/24	19/06/24	03/07/24	11/07/2024	14/07/24	20/07/24	24/07/24	26/07/2024 30/07/2024	10/08/2024	15/08/2024	18/08/2024	19/08/2024 29/08/24	15/09/2024	29/9/2024	24/10/24	TOTAL
	BS3 2LN	BS3 2LN			33 2LN	BS3 2LN		BS3 2LN	BS3 2RS	BS3 2LN	BS3 1QB	BS3 2LN	BS3 2LN	BS3 2LN	BS3 2LN		BS3 2LN	BS3 2BU			BS3 2LN					BS3 2LN	
Heart and Dart					2	8	12	15	4	3	3	2	3	3	2	1	3			1		1	1				65
Chequered Pearl (evergestis pallidata)		2		7	0	•	4	9	-1			1	1	1	1		1		1	1		2	2	1			1
Chestnut Tortrix																			1								1
Common Grass																						1					1
Common Wainscot							1																				1
Common Wave																						1					1
Dark-marked Tortrix																						1					1
Dusky Sallow																	1										1
Early Thorn																1											1
Four-spotted Footman															1												1
Gold Triangle															1											_	1
Green Brindled Crescent																										1	1
Haworth's Pug															1												1
Hawthorn Knot Horn																			1								1
Hebrew Character			1																								1
July Highflyer Kent Black Arches																	1		1								1
Kent Black Arches Latticed Heath															1		1										1
Latticed Heath Least Black Arches					1										1												1
Lesser Tawny Crescent					'												1										1
Lesser Treble-bar																	1						1				1
Long-winged Pearl																1							•				1
Maiden's Blush																							1				1
Marbled Beauty																			1								1
Marbled Orchard Tortrix								1																			1
Middle-barred Minor								1																			1
Mottled Beauty							1																				1
Mottled Rustic							1																				1
Oak Hook-tip																								1			1
Oak Knot-horn																						1					1
Old Lady																								1			1
Olive Tree Pearl																							1				1
Orange-tipped Nest (Tinea semifulvella)				1																							1
Pale Tussock				1																							1
Pallid Grey (Eudonia Pallida)					1																						1
Pearl Grass (catoptria pinella)														1													1
Poplar Grey														1													1
Purple Bar																							1				1
Red Line Quaker																									1		1
Ringed China-mark																			1								1
Rosy Rustic																								1			1
Ruddy Streak								1																			1
Sallow Kitten																				1							1
Scalloped Oak														1													1
September Thorn																			1								1
Single-dotted Wave Small Emerald																1			ı								1
Small Fan-footed Wave																1			1								1
Smoky Wainscot																1											1
Southern Wainscot																į	1										1
Spruce Carpet					1												1										1
Swallow Prominent									1																		1
The Gothic														1													1
The Shears							1							'													1
Vapourer																								1			1
Vestal																							1				1
Water Veneer (acentria ephemerella)																	1										1
White Ermine									1																		1

BS3 WILDLIFE GROUP: BRISTOL

REPORT

2024

Any questions please reach out to Charlie Tallis

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