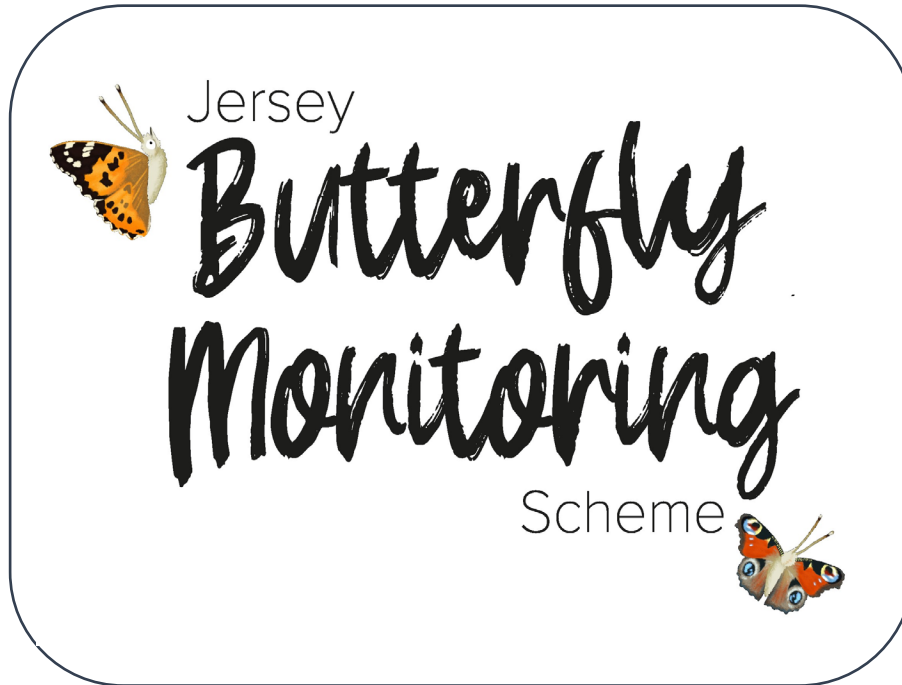




Infrastructure
and Environment

Gouvernement d'Jèrri



Denise McGowan
Senior Environment Officer
Government of Jersey





Twenty Years of Jersey Butterfly Monitoring Scheme

Why we monitor butterflies

Brief history of JBMS

*Collaborative work – volunteers
– Inter island*

What we know about Jersey's butterfly populations

- Composite trend*
- Select species trend*
- 2024 and future work*

Why we monitor Butterflies

- Good indicator of environmental change
- Intrinsic value
- Scientific value
- Ecosystem value



Green-veined White
Photo by Barbara Pitman



Historical collaboration for JBMS set up



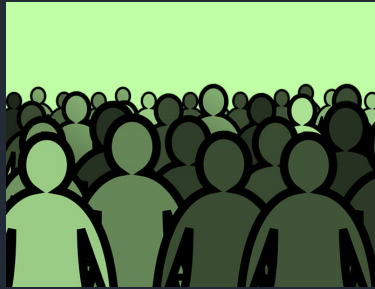
Hannah Clarke recommends adopting the UKBMS methodology in Jersey from her report in 1991

Local Naturalists
Joan Banks and
Margaret Long
are consulted
and instrumental
in helping set up
the scheme



Dr Susan Clarke
(Wessex
Environmental
Associates)
Dr Tom Brereton
(Butterfly
Conservation)
consulted

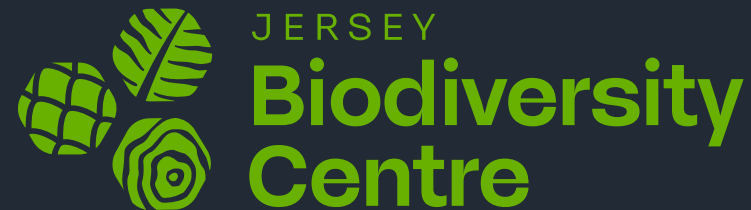
Collaborative work



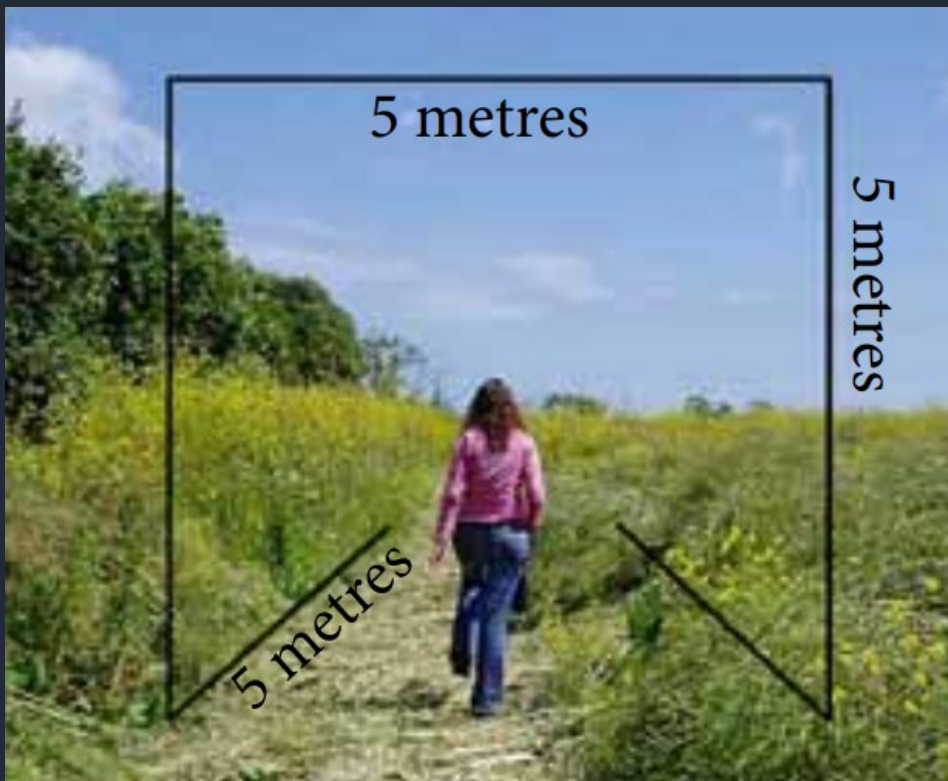
Volunteers



Landowners



Volunteers



Walk transect once a week April - September

“I look forward to my time with the butterfly transect, as this is my moment to connect with nature, be mindful of my surroundings and know that I'm contributing to an important conservation project. ”

~28 miles walked weekly each year
(728 miles / season)

286,550 butterflies counted on transect 2004 - 2023





Stored filters*

Filter: Select stored filter...

Apply filter

Reset

Create a filter

What
Swallowtail

Where
Records within a freehand boundary

When
Records recorded on or after 2015

Who
Define whose records to include

Record ID
Select records by record ID

Quality
Exclude Not accepted (all)

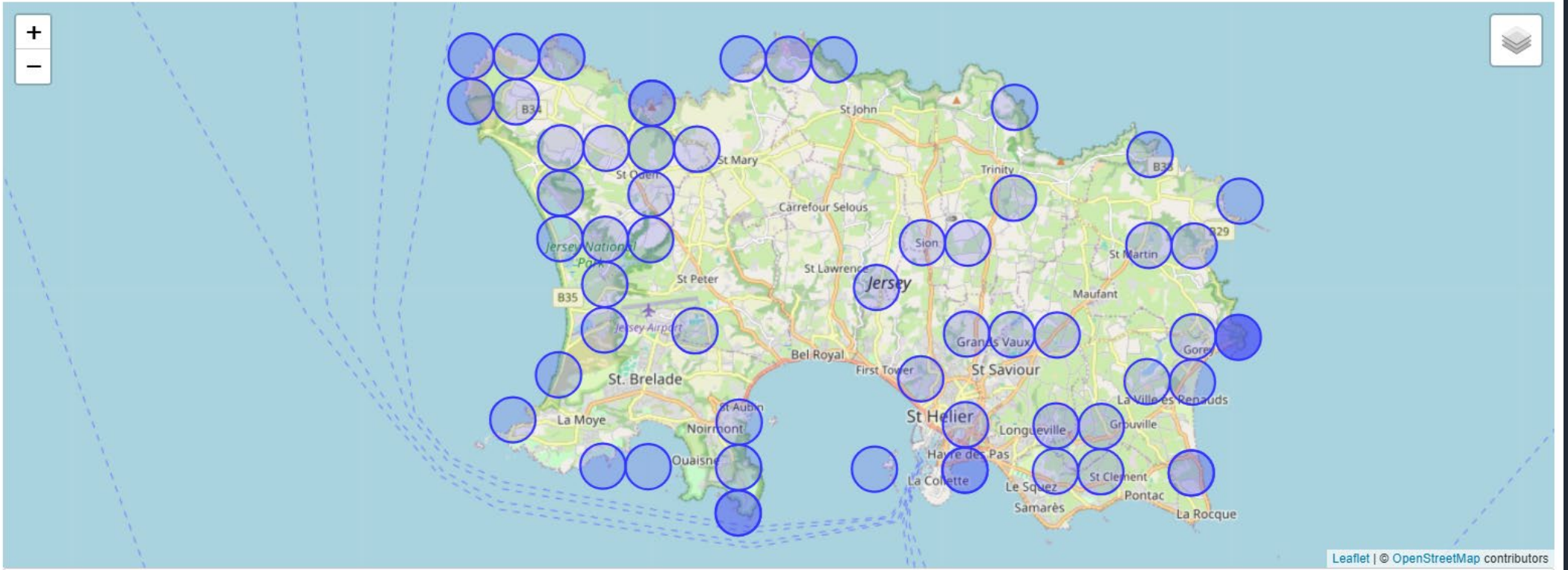
Source
Select records based on source website, survey or input form

To save these filter settings for future use, give the filter a name then click Save Filter.

Filter name:

Save filter

Delete filter





<https://ukbms.org/explore-map>



**What**
Swallowtail, Swallowtail

**Where**
Records in Jersey (Bailwick of)

**When**
Records recorded on or after 2015

**Who**
Define whose records to include

**Record ID**
Select records by record ID

**Quality**
Exclude Not accepted (all)

**Source**
Select records based on source website, survey or input form

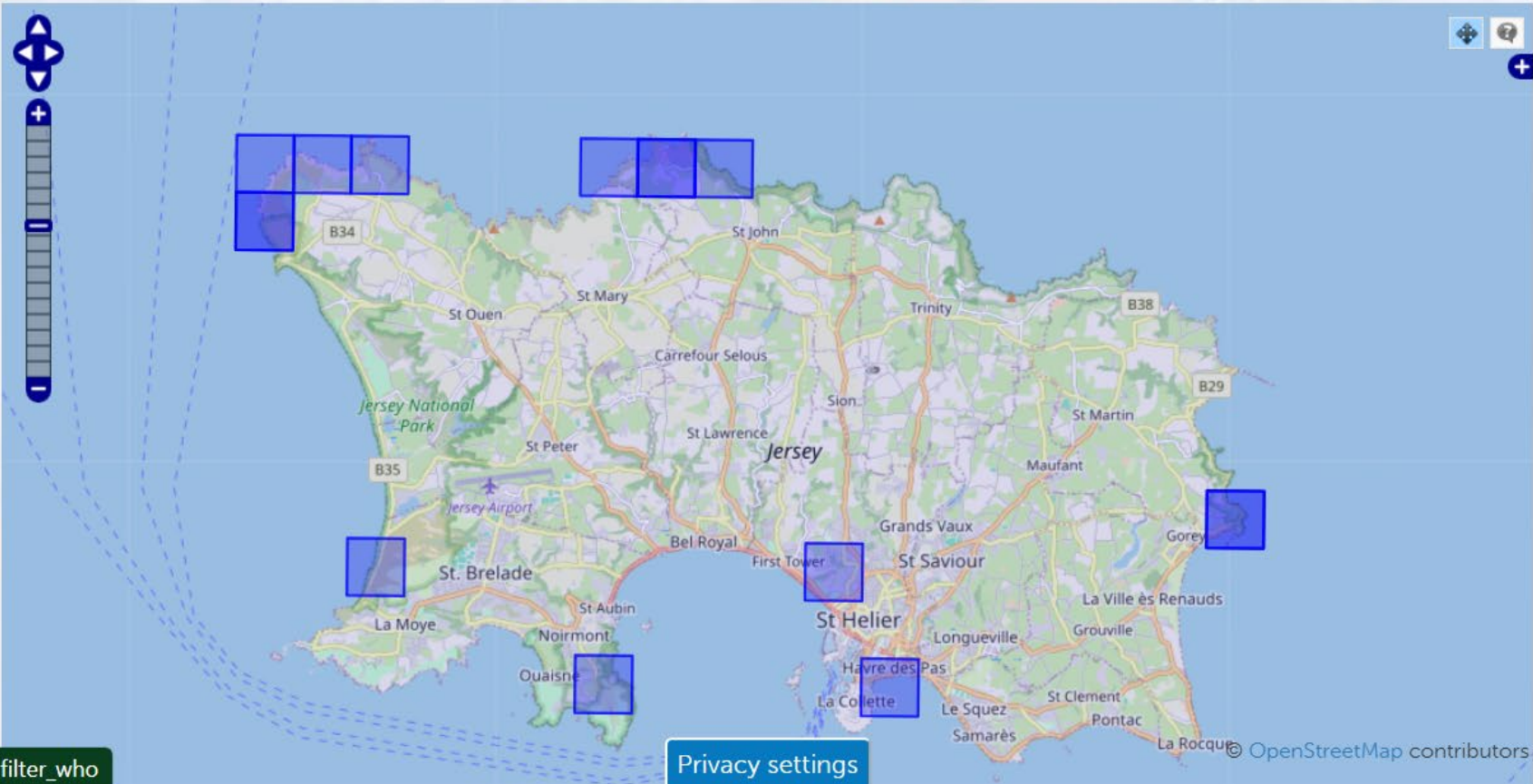
To save these filter settings for future use, give the filter a name then click Save Filter.

Filter name:

 Save filter

 Delete filter







OpenStreetMap contributors

explore-map#controls-filter_who

Privacy settings

I I E M
25

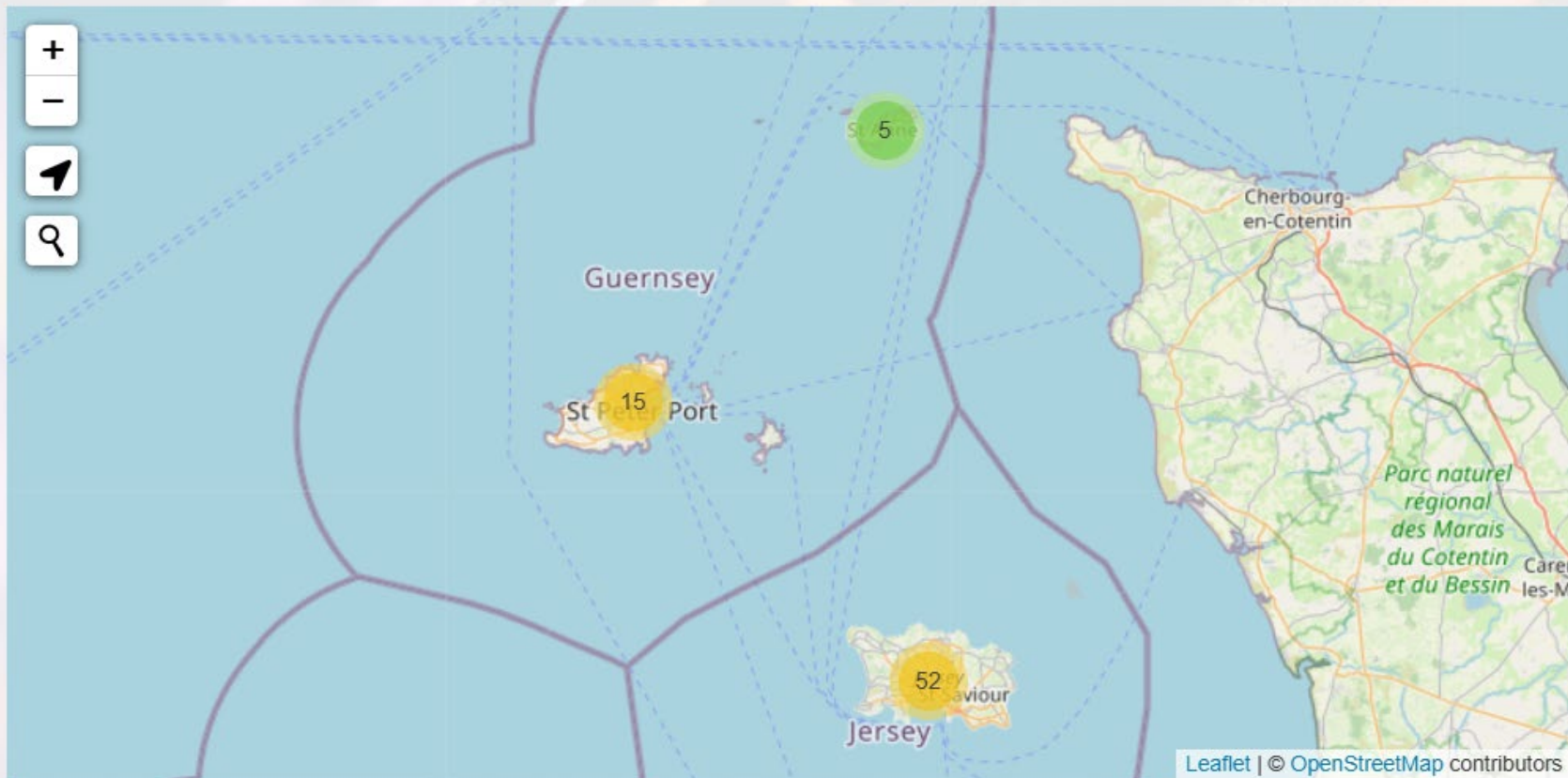

Isle of Man

Inter-Island Collaboration



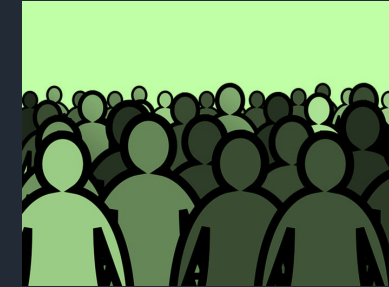
Map of UKBMS locations

The interactive map below shows all Transect locations (Tran) and all Wider Countryside Butterfly Survey squares (BC) that have received data. Click on the circles to zoom in. Use the search to help you navigate to place names. Click on any UKBMS locations for more details.





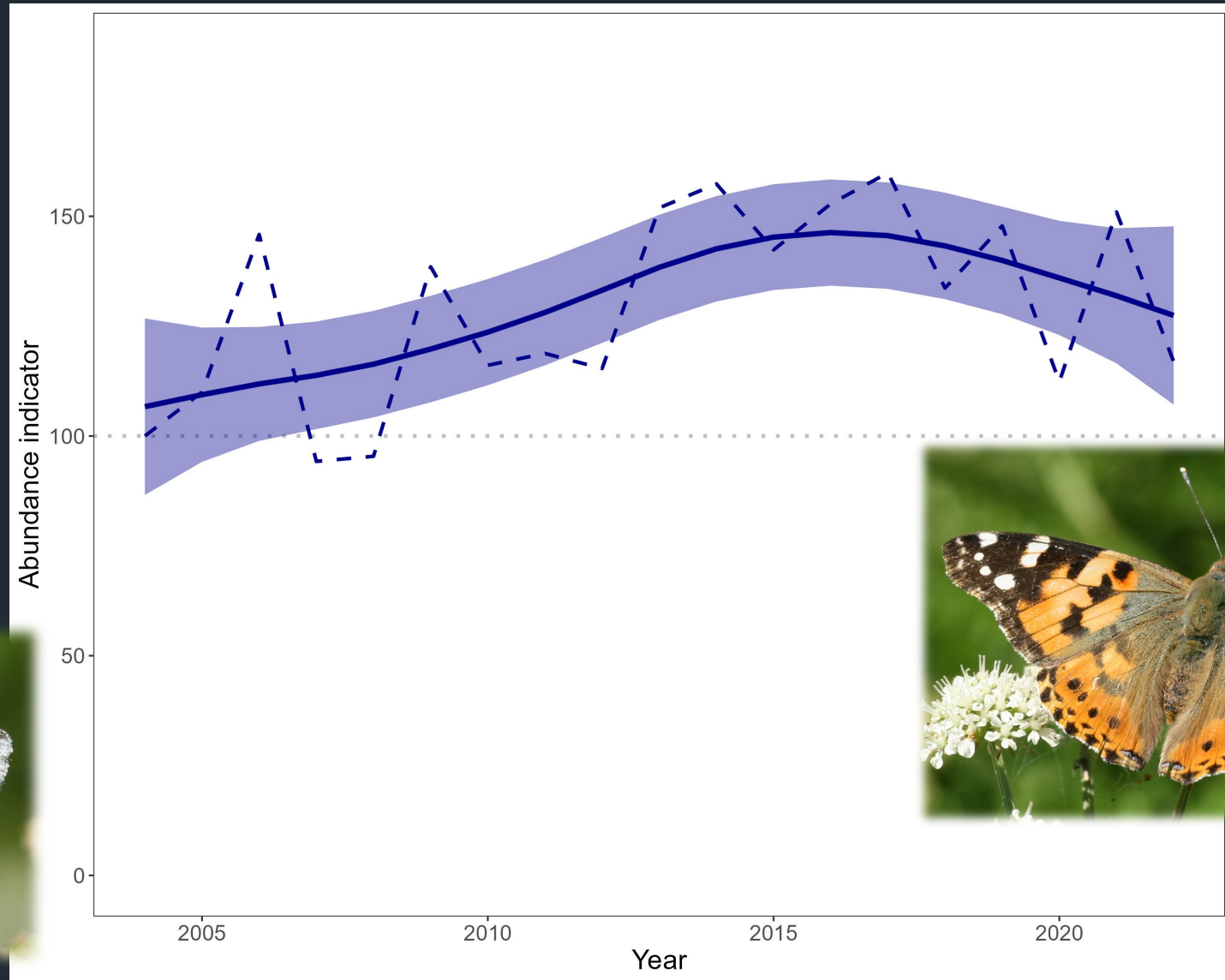
Data Flow



Volunteers



Composite / All species trend (16 species)



Photos Richard Perchard

Summary of changes table

Species	Number of sites in 2023	Rank in 2023	Percentage Change 2022 - 2023	10 Year Percentage Change	20 Year Percentage Change
Brown Argus	12	1	237	448	228
Small Heath	20	1	62	26	29
Small Copper	22	2	70	25	124
Red Admiral	33	3	101	28	102
Painted Lady	22	12	-43	14	54
Holly Blue	28	7	-5	-10	51
Green Hairstreak	6	19	-49	-52	28
Large White	34	12	38	-12	81
Small Tortoiseshell	8	17	-41	-72	88
Common Blue	27	11	-16	-23	25
Meadow Brown	32	10	47	-24	50
Gatekeeper	29	4	8	-23	54
Peacock	16	17	-82	-24	78
Large Skipper	10	19	-51	-63	24
Speckled Wood	31	18	-14	-21	-18
Wall	16	15	6	-53	-39
Comma	5	20	-75	-59	-36
Essex Skipper	11	16	30	-73	-11
Small White	34	5	146	1	-19
Grayling	10	9	2	3	-24



Brown Argus

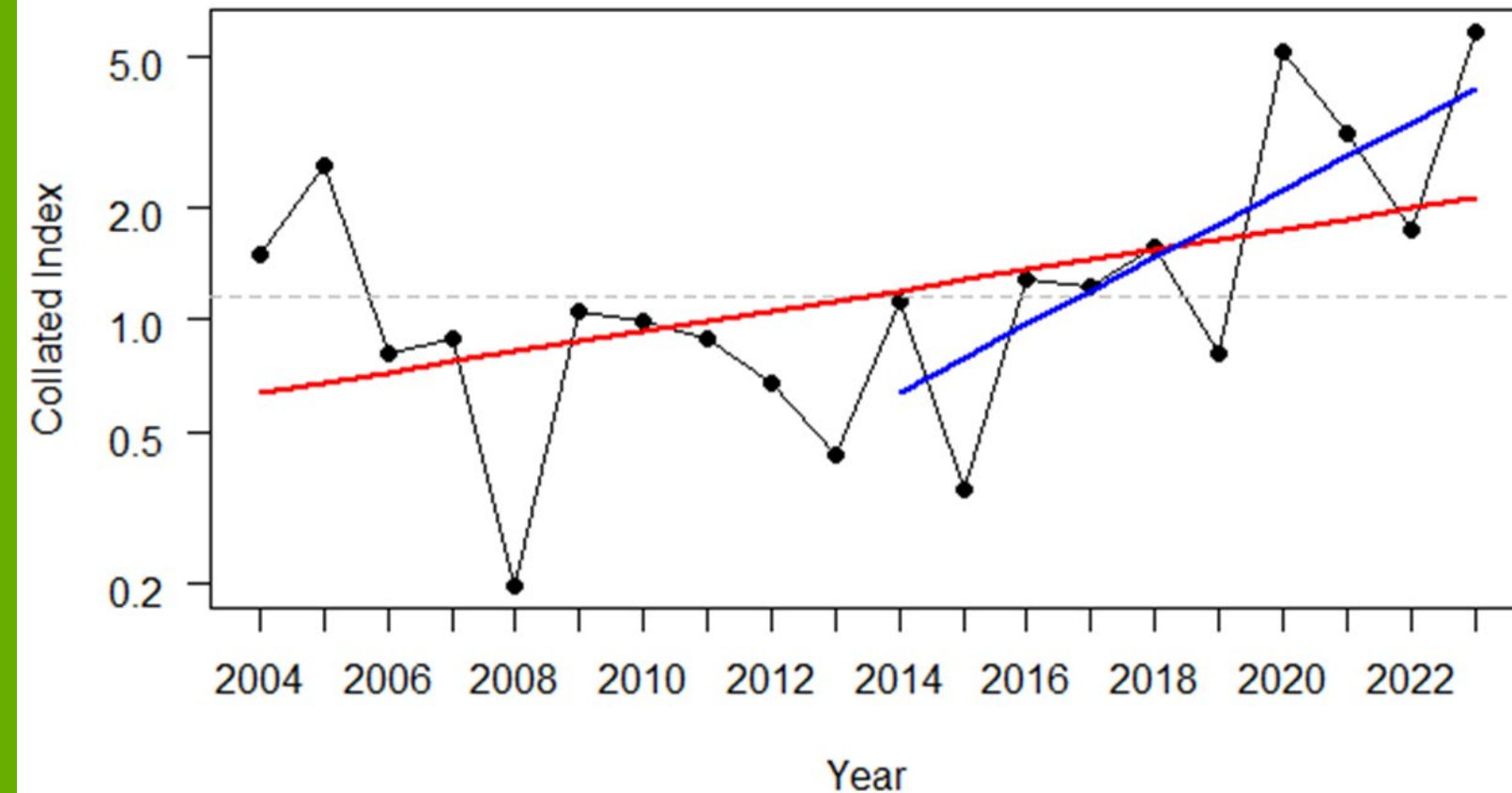


Photo Trevor Biddle

Population trend for Brown Argus 2004 – 2023
Red line: 20 year trend Blue line: 10 year trend

Speckled Wood

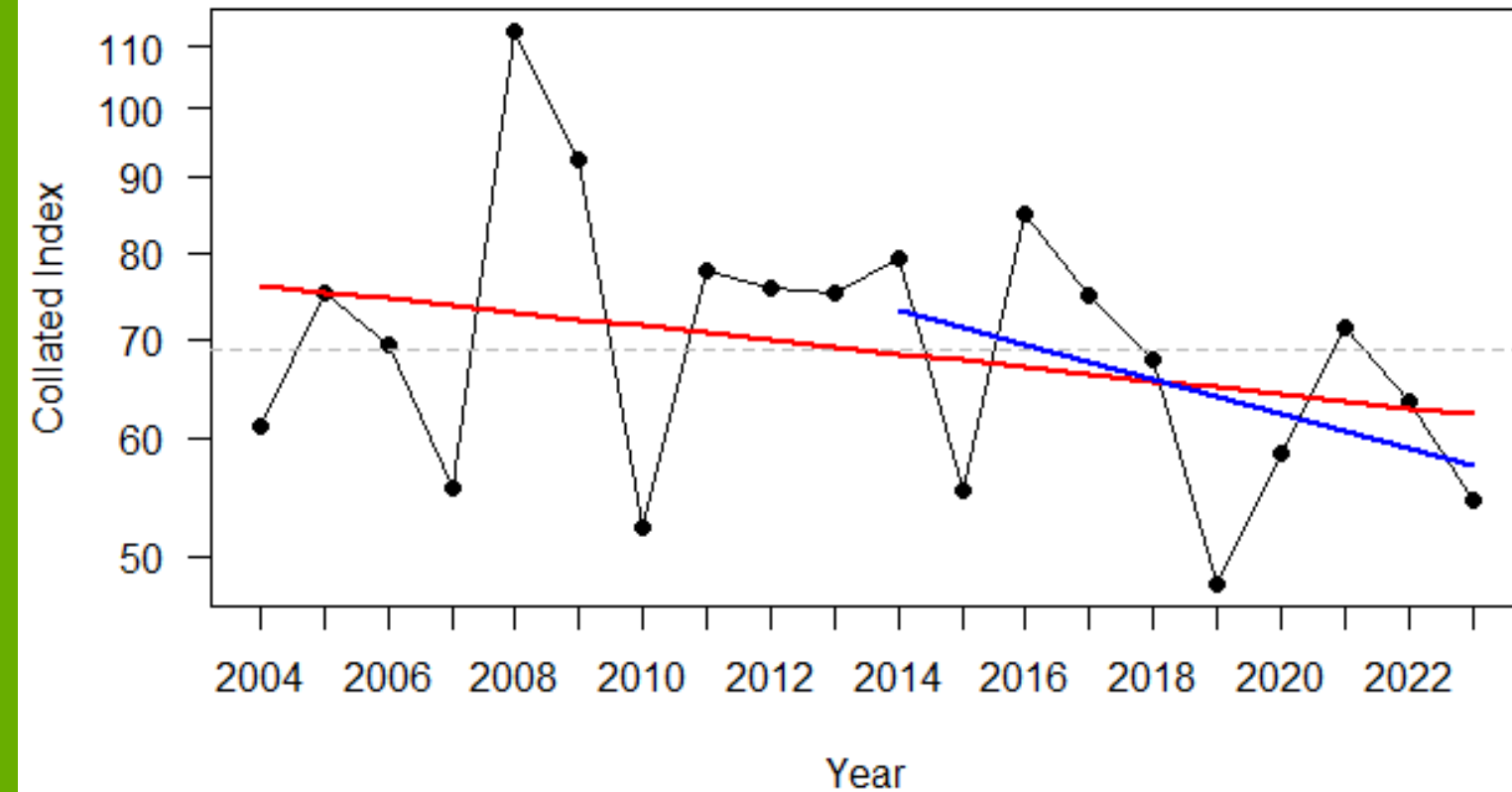
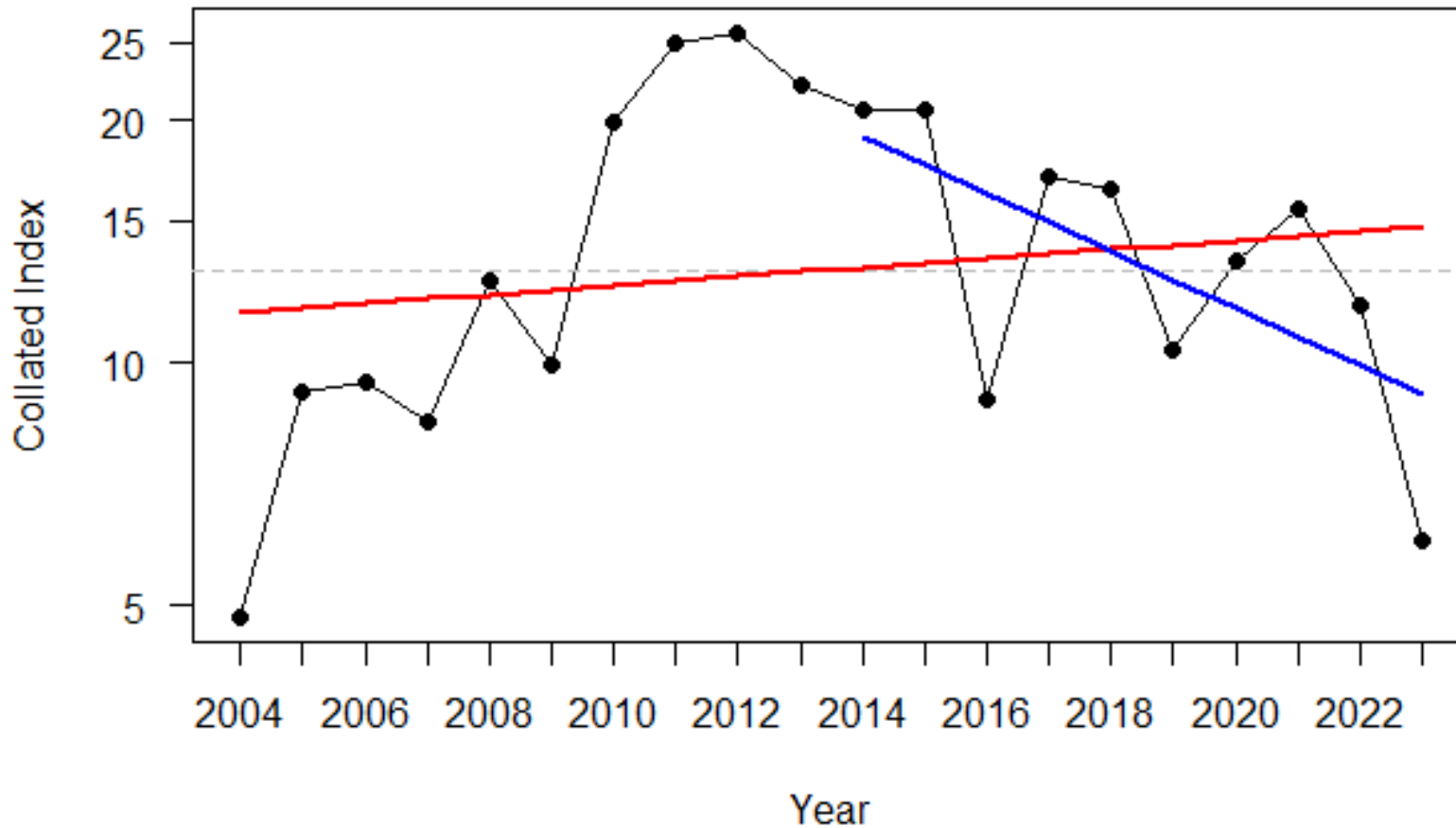


Photo Richard Perchard

Population trend for Speckled Wood 2004 – 2023
Red line: 20 year trend Blue line: 10 year trend

Green Hairstreak



Population trend for Green Hairstreak 2004 – 2023
Red line: 20 year trend Blue line: 10 year trend



Site investigation - Les Blanchés Banques



2024 & 2025

Large Chequered Skipper - continued monitoring

Swallowtails on transect
(Photo Pete Double)

Geranium bronze

Clouded Yellow *(Photo DMG)*

Dingy Skipper

Brown Hairstreak
(Photo Louise Whale)



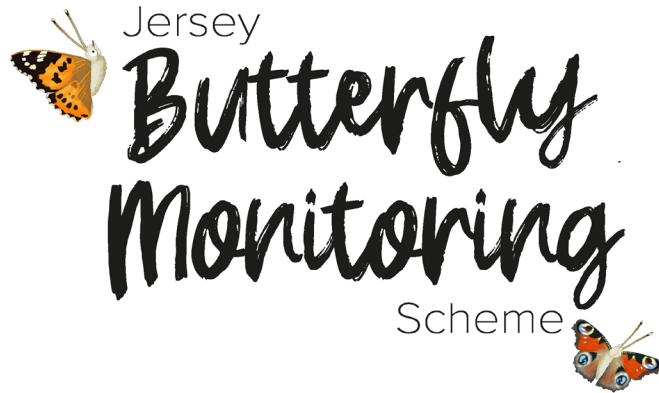
Rachel Andrews, Averil Arthur, Joan Banks, John Banks, Fay Barber, Irene Beaumont, Tony Beaumont, Trevor Biddle, Benjamin Bisson, Mig Bodenstein, Bertram Brée, Sue Buesnel, Jenny Cabot, Paul Chambers, Nick Channing, Judith Clare, Harriet Clark, Sue Clarke, George Clifford, Julia Clively, Nina Cornish, Liz Corry, Dianne Custance, Paul Custance, Adam Dallas-Chapman, Mark Davies, Donna De Gruchy, Peter Double, Ian Everson, Izzy Duggan, Mike Freeman, Neil Fryer, Lee G, Tizane Gallichan, Caroline Germain, Alan Gicquel, Tanya Gicquel-Tirel, Christine Gill, Gale Glendewar, Henry Glynn, Gordon Hall, Sue Hardy, Ian Harrison, Neil Harvey, Sarah Hilton, Richard Huelin, Jon Horn, Tina Hull, Jenna Hunt, John Jackson, Emma Jackson, Paul Jackson, Viviane Jayes, Sarah Kitchen, Will Kirby, Michael Krigu, Kate Langlois, Indiana Latimer, Pippa Leak, Caroline Leach, Pauline Le Bailly, Zoe LeCornu, Natty Levi, Steven LeQuesne, Tim Liddiard, Margaret Long, Roger Long, Keiran Luce, Louise Magris, Shelia Mallet, Christian Marcos, Jean Marett, Carol Maindonald, Christiane McCarthy, Denise McGowan, John McLaughlin, Nick Morgan, Millie Moscardini, Jo Moss, Lindsey Napton, Caroline Orpin, Jane Osbourne, Jon Parkes, Nick Parlett, Richard Perchard, Barbara Pitman, Annie Pope, David Pope, Judith Pountney, Karen Preece, Chris Queree, Jo Querée, Yvonne Rabet, Tim Ransom, Jon Rault, Aimee Reading, John Rich, Richard Rive, Zoe Rive, Alex Roberts, Zena Romano, Mary Savva, Cristina Sellares, Deirdre Shirreffs, Alli Singleton, Neil Singleton, David Siouville, Pat Small, Larissa Small, Mike Smith, Claire Stanley, Fiene Steinbrecher, Mike Stentiford, Bob Tompkins, Jill Tompkins, David Tipping, Ruth Urban, Mike Vardon, Jenny Voison, Buntly Wagstaffe, Paul Wagstaffe, Pat Walker, Liz Walsh, Nicki Weston, David Wedd, Louise Whale, Hester Whitehead, Louise Wilder, Nadine Wohl, Marc Woodall, Tim Wright





Infrastructure
and Environment

Thank You for
Listening!



Gouvernement d'Jèrri



UK Centre for
Ecology & Hydrology



Butterfly
Conservation



JERSEY
Biodiversity
Centre

