



Irish Butterfly Monitoring Scheme Tutorial for online system



<http://monitoring.biodiversityireland.ie>

This tutorial provides a step wise guide on how to register the details of your Irish Butterfly Monitoring Scheme walk and submit data each week.



http://monitoring.biodiversityireland.ie



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User login

Username: *

Password: *

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● Butterflies ▲ Bumblebees

Step 1: Register to use the site

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The Centre is funded by the Department of Arts, Heritage and the Gaeltacht.

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http://monitoring.biodiversityireland.ie

The screenshot shows the registration page for the Biodiversity Monitoring in Ireland website. The page features the National Biodiversity Data Centre logo and navigation links. The registration form includes fields for Username, E-mail address, First name, and Last name, with a 'Create new account' button at the bottom. A grey box on the right side of the page contains the text 'Step 1: Register to use the site'.

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User account

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Account information

Username: *

Spaces are allowed; punctuation is not allowed except for periods, hyphens, and underscores.

E-mail address: *

A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

Name

First name:

User's first name

Last name: *

User's last name

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Step 1: Register to use the site

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User login

Username: *

Password: *

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Step 2: when you have registered you'll get a username and password so that you can login to use the system

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Data for 2012

No data returned for this period.

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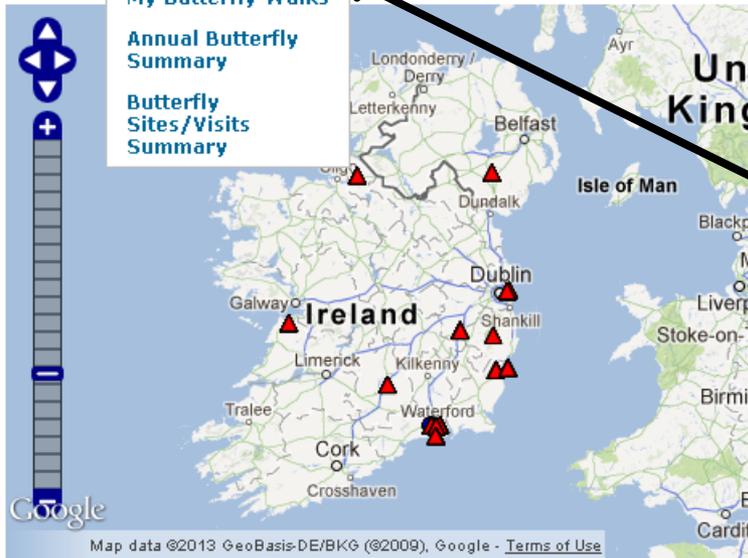
Home

[My Butterfly Sites](#)

[My Butterfly Walks](#)

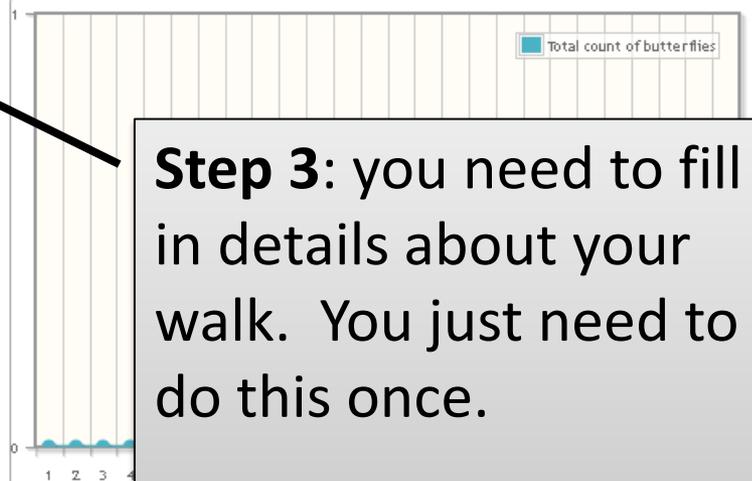
[Annual Butterfly Summary](#)

[Butterfly Sites/Visits Summary](#)



● Butterflies ▲ Bumblebees

Data for 2013



Step 3: you need to fill in details about your walk. You just need to do this once.

Select 'My Butterfly Sites'

Step 3: you need to fill in details about your walk. You just need to do this once.

Site Details

Transect Details

Transect Name: *

Grid Ref.: *

Click on the map to set the central grid reference.

The Site Code will be allocated by the Administrator.

Site Details

Details

County: ▼ *

No. of sections: *

Overall length (m): *

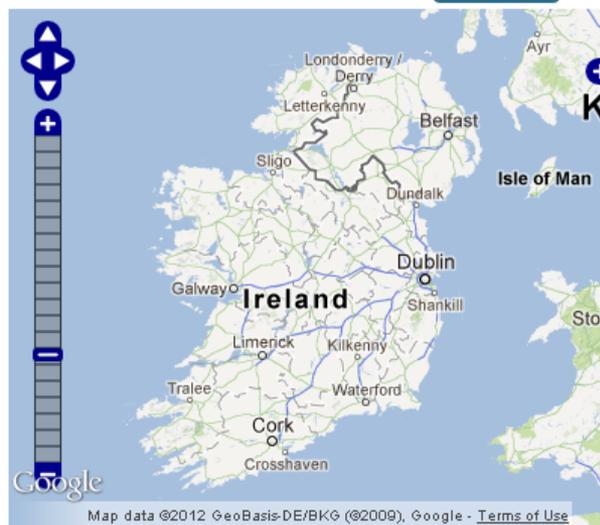
Year established:

All or single species: ▼

Climate of transect: ▼

Use the search box to find a nearby town or village, then drag the map to pan and click on the map to set the centre grid reference. Alternatively if you know the grid reference you can enter it in the Grid Ref box on the left.

Search for place:



Habitat

Principal transect habitat: ▼

2nd transect habitat: ▼

Notes on land use and management:

Site Details

Transect Details

Transect Name: *

Grid Ref.: *

Click on the map to set the central grid reference.

The Site Code will be allocated by the Administrator.

Site Details

Details

County: ▼ *

No. of sections: *

Overall length (m): *

Year established:

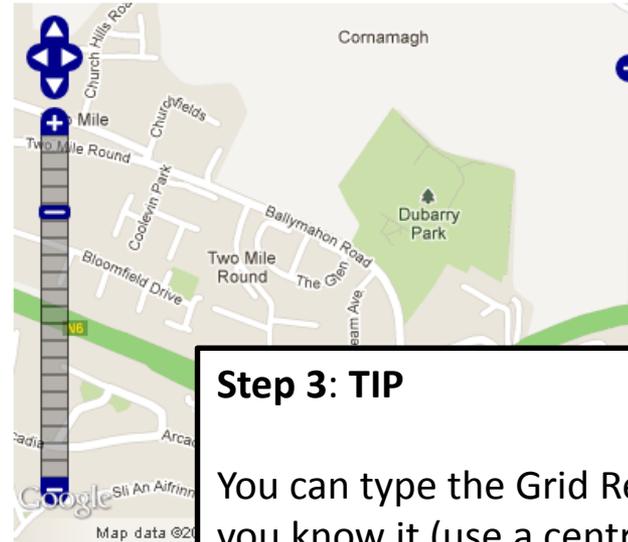
All or single species: ▼

Climate of transect: ▼

Use the search box to find a nearby town or village, then drag the map to pan and click on the map to set the centre grid reference of the transect. Alternatively if you know the grid reference you can enter it in the Grid Ref box on the left.

Search for place:

Search



Step 3: TIP

You can type the Grid Ref into the box if you know it (use a central point). It can be 6 or 4 figure (e.g., O123456 or O1245).

Alternatively you can zoom into where your walk is using the map (make sure to zoom in far enough) and click on a central point and the Grid Ref will fill in automatically.

Habitat

Principal transect habitat: ▼

2nd transect habitat: ▼

Notes on land use and management:

Butterfly Site Details

Site Details | Your Route | Section Details

Transect Details

Transect Name: *

This site cannot be edited because there are walks recorded on it. Please contact the site administrator if you think there are details which need changing.

Grid Ref.: *

Click on the map to set the central grid reference.

The Site Code will be allocated by the Administrator.

Site details

Details

County: ▾

No. of sections: *

Overall length (m):

Year established:

All or single species: ▾

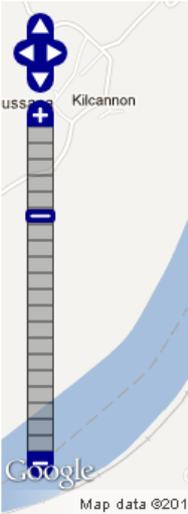
Climate of transect: ▾

Habitat

Principal transect habitat: ▾

2nd transect habitat:

Notes on land use and management:



Step 3: EXAMPLE

This is an example of completed Site Details.

I zoomed into the map to get a central grid reference for my walk.

Try to fill in as much of the form as possible. Don't worry if you're not familiar with habitats, just try to choose what you think fits best. You don't have to fill in notes on land use and management, but you can if you think it would be useful/relevant.

Once you're happy you've filled in all the site details click 'save'



Step 4: Fill in the details of your route

When you click save it automatically brings you to the next section where you map out your route.

Select a section from the list then click on the map to draw the route and double click to finish. You can also select a section using the query tool to click on the section lines. If you make a mistake then use the Modify a feature tool to correct the line shape, or redraw the line to replace it entirely. The Delete button will remove the section completely, reducing the number of sections by one. To increase the number of sections, return to the Site Details tab, and increase the value in the No. of sections field there.

Select section: **S1** S2 S3 S4 S5

Delete

Base Layer

- Google Streets
- Google Satellite

Map data ©2012 Google - Terms of Use

To map your route you can either have the background map based on 'google streets' (as here) or on 'google satellite' (on next page). Personally I find it much easier to visualise my route using the satellite option.

* If the blue box doesn't appear click on the blue + symbol

Step 4: Fill in the details of your route

Select a section from the list then click on the map to draw the route and double click to finish. You can also select a section using the query tool to click on the section lines. If you make a mistake then use the Modify a feature tool to correct the line shape, or redraw the line to replace it entirely. The Delete button will remove the section completely, reducing the number of sections by one. To increase the number of sections, return to the Site Details tab, and increase the value in the No. of sections field there.

Select section: S1 S2 S3 S4 S5

Delete

Base Layer

- Google Streets
- Google Satellite

Google
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To map your route you can either have the background map based on 'google streets' or on 'google satellite' (as here). Personally I find it much easier to visualise my route using the satellite option.

Step 4: Fill in the details of your route

Select a section from the list then click on the map to draw the route and double click to finish. You can also select a section using the query tool to click on the section lines. If you make a mistake then use the Modify a feature tool to correct the line shape, or redraw the line to replace it entirely. The Delete button will remove the section completely, reducing the number of sections by one. To increase the number of sections, return to the Site Details tab, and increase the value in the No. of sections field there.

Select section: **S1** S2 S3 S4 S5

Delete

Base Layer
 Google Streets
 Google Satellite

Google
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Select S1 (section 1) and draw your route using the mouse. When you've reached the end of the section double click and it will be saved.

You can delete and make as many attempts as you need until you're happy.

Step 4: Fill in the details of your route

Select a section from the list then click on the map to draw the route and double click to finish. You can also select a section using the query tool to click on the section lines. If you make a mistake then use the Modify a feature tool to correct the line shape, or redraw the line to replace it entirely. The Delete button will remove the section completely, reducing the number of sections by one. To increase the number of sections, return to the Site Details tab, and increase the value in the No. of sections field there.

Select section:

S1

S2

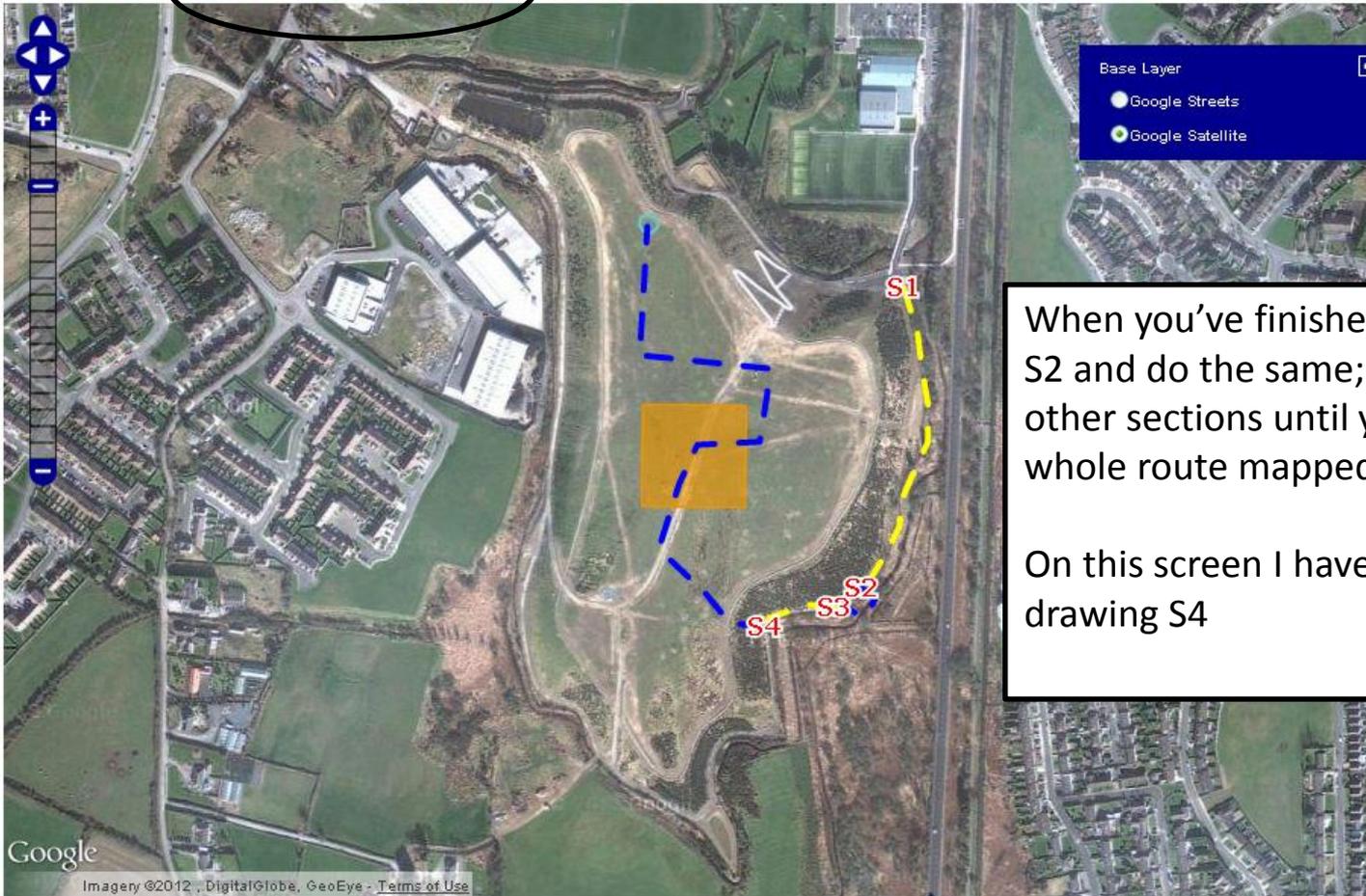
S3

S4

S5



Delete



When you've finished S1, click on S2 and do the same; then on the other sections until you have the whole route mapped.

On this screen I have just finished drawing S4

Step 4: Fill in the details of your route

Select a section from the list then click on the map to draw the route and double click to finish. You can also select a section using the query tool to click on the section lines. If you make a mistake then use the Modify a feature tool to correct the line shape, or redraw the line to replace it entirely. The Delete button will remove the section completely, reducing the number of sections by one. To increase the number of sections, return to the Site Details tab, and increase the value in the No. of sections field there.

Select section:

S1

S2

S3

S4

S5



Delete



I've now mapped out the entire route of my walk

Step 5: Fill in the details on each of your sections

Bumblebee Site Details

Site Details

Your Route

Section Details

Select a section from the list then click on the map to draw the route and double click to finish. You can also select a section using the query tool to click on the section lines. If you make a mistake then use the Modify a feature tool to correct the line shape, or redraw the line to replace it entirely. The Delete button will remove the section completely, reducing the number of sections by one. To increase the number of sections, return to the Site Details tab, and increase the value in the No. of sections field there.

Select section:

S1

S2

S3

S4

S5



Delete



Once you have the route mapped out go to the 'Section Details' tab. This will allow you to fill in the details on each section.

Google

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Step 5: Fill in the details on each of your sections

Site Details | Your Route | Section Details

Section Details

Select section: S1 S2 S3 S4 S5

Habitat and management

Habitat

Principal habitat present:

2nd habitat present:

3rd habitat present:

4th habitat present:

Habitat text description:

Notes on land use and management:

Management

Primary management:

Secondary management:

Management text description:

Section

Details

Section length (m):

Select S1 and fill in as many or as few details as you like.

If you could attempt to fill in the Principal habitat present and the section length it would be much appreciated.

Step 5: Fill in the details on each of your sections

Site Details | Your Route | Section Details

Section Details

Select section: **S1** **S2** S3 S4 S5

Habitat and management

Habitat

Principal habitat present: WS1 - Scrub

2nd habitat present:

3rd habitat present:

4th habitat present:

Habitat text description:

Notes on land use and management:

Management

Primary management:

Secondary management:

Management text description:

Section

Details

Section length (m): 500

When you move on and try to select S2 it will ask you if you want to save the details – click 'Yes'

Save Data? ✕

Do you wish to save the currently unsaved changes you have made to the Section Details?

Cancel No Yes

Step 5: Fill in the details on each of your sections

Site Details | Your Route | Section Details

Section Details

Select section: S1 S2 S3 S4 S5

Habitat and management

Habitat

Principal habitat present: FL8 - Other artificial lakes and ponds

2nd habitat present:

3rd habitat present:

4th habitat present:

Habitat text description:

Notes on land use and management:

Management

Primary management:

Secondary management:

Management text description:

Section

Details

Section length (m): 50

Do the same for each of the other sections

Save Data?

Do you wish to save the currently unsaved changes you have made to the Section Details?

Cancel

No

Yes

Step 5: Fill in the details on each of your sections

Site Details

Your Route

Section Details

Section Details

Select section:

S1

S2

S3

S4

S5

Habitat and management

Habitat

Principal habitat present:

GS1 - Dry calcareous and neutral grassland

2nd habitat present:

3rd habitat present:

4th habitat present:

Habitat text description:

Deliberately planted grassland

Notes on land use and management:

Management

Primary management:

M4. Mowing

Secondary management:

Management text description:

Section

Details

Section length (m):

600

You may find that there are certain sections where it is necessary or possible to fill in more details than others.

Once you're happy you have filled in 'Site Details', 'Your Route' and 'Section Details' make sure it is saved. You won't need to go through this step again.

Now when you click on 'My Butterfly Sites' you'll see the details of your transect.

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Home

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[My Butterfly Walks](#)

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Summary](#)

Site Nam

W18 - Ca

first pr

[Add Site](#)

No. of species	Actions
3	edit
Showing records 1 to 1 of 1	
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IMPORTANT

You can go back into the system and edit your site, route, or sections details at this stage. You can also delete it entirely and start again.

However, once you start entering weekly butterfly data it will no longer be possible to make any changes to your site details. If you notice a problem at that stage you'll need to contact us directly.

Step 6: Once you're happy you've filled in the details of your walk you can start using the system to record your data each week.

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[My Butterfly Sites](#)

My Butte

[My Butterfly Walks](#)

Site Name	My Walks	No. of species	Actions
W18 - Ca		3	edit

Showing records 1 to 1 of 1

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[Add Site](#)

To submit data each week go to 'My Butterfly Walks'

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Step 6: Submitting weekly monitoring data



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My Walks

Filter by site :

All my sites

Week Number		Sun	Mon	Tue	Wed	Thu	Fri	Sat
-3	Mar	4	5	6	7	8	9	
-2	Mar	11	12	13	14	15	16	
-1	Mar	18	19	20	21	22	23	
0	Mar	25	26 W18 - Carriganore	27	28	29	30	
1	Apr	1	2	3	4	5	6	
2	Apr	8	9	10	11	12	13	
3	Apr	15	16	17	18	19	20	
4	Apr	22	23	24	25	26	27	
5	Apr	29	30	1	2	3	4	
6	May	6	7	8	9	10	11	
7	May	13	14	15	16	17	18	
8	May	20	21	22	23	24	25	
9	May	27	28	29	30	31	1	2
10	Jun	3	4	5	6 Create a new sample on 30/05/2012	7	8	9
11	Jun	10	11	12	13	14	15	16
12	Jun	17	18	19	20	21	22	23
13	Jun	24	25	26	27	28	29	30
14	Jul	1	2	3	4	5	6	7

Use the calendar and select the date that you carried out your walk on (click on the green button)

For this example I'm going to add data for the 30th of May.

In this screen shot we have already added data to the system for the 26th of March.

Step 6: Submitting weekly monitoring data



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Butterfly Walk Data Entry

Select Transect: *

Date:

Recorder Name:

Start Time (hh:mm): *

End Time (hh:mm): *

% sun: *

Temp (Deg C): *

Wind Speed: *

Wind Direction: *

[Next](#)

[Cancel](#)

Fill in the details of your weekly walk. The example shows our data from Carriganore on the 30th May.

For % sun use an average value across all your sections.

Once you're happy click 'Next'.

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Step 6: Submitting weekly monitoring data

Butterfly Walk Data Entry

W18 - Carriganore on 2012-05-30

Sections	S1	S2	S3	S4	S5	S6	S7
% sun	100 *	100 *	100 *	100 *	100 *	100 *	100
Brimstone							
Brown Hairstreak							
Clouded Yellow							
Comma							
Common Blue							
Dark Green Fritillary							
Dingy Skipper							
Essex Skipper							
Gatekeeper							
Grayling							
Green Hairstreak							
Green-veined White							
Holly Blue							
Large Heath							
Large White							
Marsh Fritillary							
Meadow Brown							
Mountain Ringlet							
Orange Tip							
Painted Lady							
Peacock							
Pearl-bordered Fritillary							
Purple Hairstreak							
Red Admiral							
Ringlet							
Silver-washed Fritillary							
Small Blue							
Small Copper							
Small Heath							
Small Skipper							

You can now fill in details of the butterflies you spotted in each section.

Step 6: Submitting weekly monitoring data

Butterfly Walk Data Entry

W18 - Carriganore on 2012-05-30

Sections	S1	S2	S3	S4	S5	S6	S7		
% sun	100 *	100 *	100 *	100 *	100 *	100 *	100 *		
Brimstone									0
Brown Hairstreak									0
Clouded Yellow									0
Comma									0
Common Blue						7	3		10
Dark Green Fritillary									0
Dingy Skipper									0
Essex Skipper									0
Gatekeeper									0
Grayling									0
Green Hairstreak									0
Green-veined White							1	4	5
Holly Blue									0
Large Heath									0
Large White									0
Marsh Fritillary									0
Meadow Brown									0
Mountain Ringlet									0
Orange Tip									0
Painted Lady									0
Peacock									0
Pearl-bordered Fritillary									0
Purple Hairstreak									0
Red Admiral									0
Ringlet									0
Silver-washed Fritillary									0
Small Blue									0
Small Copper									0

Fill in the details of the butterflies you spotted.

Step 6: Submitting weekly monitoring data

Butterfly Walk Data Entry

W18 - Carriganore on 2012-05-30

Sections	S1	S2	S3	S4	S5	S6	S7	
% sun	100 *	100 *	100 *	100 *	100 *	100 *	100 *	
Brimstone								
Brown Hairstreak								
Clouded Yellow								0
Comma								0
Common Blue						7	3	10
Dark Green Fritillary								0
Dingy Skipper								0
Essex Skipper								0
Gatekeeper								0
Grayling								0
Green Hairstreak								0
Green-veined White							1	4
Holly Blue								0
Large Heath								0
Large White								0
Marsh Fritillary								0
Meadow Brown								0
Mountain Ringlet								0
Orange Tip								0
Painted Lady								0
Peacock								0
Pearl-bordered Fritillary								0
Purple Hairstreak								0
Red Admiral								0
Ringlet								0
Silver-washed Fritillary								0
Small Blue								0
Small Copper								0

You can also add details of Day Flying Moths or Dragonflies if you've recorded them.

Step 6: Submitting weekly monitoring data



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Butterfly Walk Data Entry

W18 - Carriganore on 2012-05-30

Butterflies Day Flying Moths Dragonflies **Notes**

Notes:

Use this space to input comments about this week's walk.

Submit

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If you want to add a comment just select the 'Notes' tab and type in your comment. When you submit it'll be attached to that days data.

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Butterfly Walk Data Entry

W18 - Carriganore on 2012-05-30

Sections	S1	S2	S3	S4	S5	S6	S7	S8	Total
% sun	100 *	100 *	100 *	100 *	100 *	100 *	100 *	100 *	
Common Blue						7	3		10
Green-veined White							1	4	5
Small White							1		1
Speckled Wood				3			3		6
Green Hairstreak									0
Holly Blue									0
Large White									0
Meadow Brown									0
Orange Tip									0
Painted Lady									0
Peacock									0
Red Admiral									0
Ringlet									0
Silver-washed Fritillary									0
Small Copper									0
Small Heath									0
Small Tortoiseshell									0
Wood White									0
Total	0	0	0	3	0	7	8	4	

Use species list :

Add species to list:

When you're happy you've filled in all your weekly details click 'Finish'

My Walks

Filter by site :

Week Number		2012						
		Sun	Mon	Tue	Wed	Thu	Fri	Sat
-3	Mar	4	5	6	7	8		
-2	Mar	11	12	13	14	15		
-1	Mar	18	19	20	21	22		
0	Mar	25	26 W18 - Carriganore 	27	28	29		
1	Apr	1	2	3	4	5	6	7
2	Apr	8	9	10	11	12	13	14
3	Apr	15	16	17	18	19	20	21
4	Apr	22	23	24	25	26	27	28
5	Apr	29	30	1	2	3	4	5
6	May	6	7	8	9	10	11	12
7	May	13	14	15	16	17	18	19
8	May	20	21	22	23	24	25	26
9	May	27	28	29	30 W18 - Carriganore 	31	1	2
10	Jun	3	4	5	6	7	8	9
11	Jun	10	11	12	13	14	15	16
12	Jun	17	18	19	20	21	22	23

You will now be able to see the details of any walk at any stage. If you need to make changes or corrections this can be done at any stage and as many times as you like up until the end of the scheme each year.



Information on the summary data



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Butterfly Sites/Visits Summary

Number of visits and sites recorded for each species in the current year.

Common Name	Visits	Sites
Common Blue	1	1
Green-veined White	2	1
Holly Blue	2	1
Orange Tip	2	1
Peacock	1	1
Small Tortoiseshell	2	1
Small White	1	1
Speckled Wood	3	1

[first](#) [prev](#) [1](#) [next](#) [last](#) Showing records 1 to 8 of 8

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This summary is live and will take into account everyone's data as it is submitted. It shows the number of sites that each species is being recorded on.

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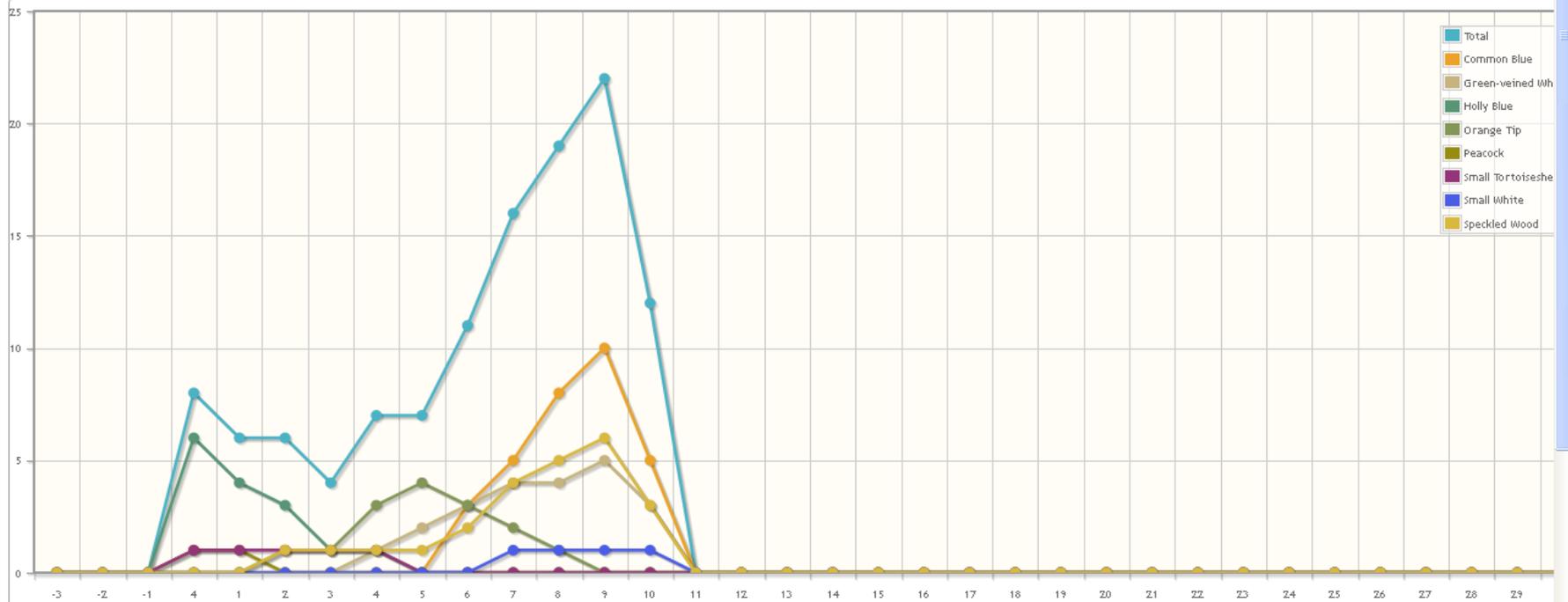
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Annual Butterfly Summary

2012 Filter by recorder: All recorders Filter by site: All sites

View data as a table View data as a chart View raw data View data with estimates



By going to 'Annual Butterfly Summary' you can see live graphs of the numbers of each species across all walks each week.

Information on the summary data

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[Home](#) [Butterfly Monitoring](#) [Bumblebee Monitoring](#) [Mapping](#) [Forum](#) [Download](#)

Home



Data for 2012

No data returned for this period.

'Mapping' and 'Download' are options that are only visible to scheme co-ordinators. It allows the Data Centre to keep track of the schemes in real time.

The map on the homepage shows the location of each walk in the butterfly and bumblebee monitoring schemes.

The National Biodiversity Data Centre is an Initiative of the Heritage Council and is operated under a service level agreement by Compass Informatics.

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GENERAL INFORMATION

1. We've worked hard to deal with any bugs and problems in the system. You may still encounter some. Please let us know if you run into problems so that we can address those.
2. You will need to put in the details of your walk before the scheme starts in April 2013. Once it begins again, we recommend entering your data each week but it can all be done at the end if necessary.
3. We understand that registering the details of your walk may be problematic and we will provide as much assistance as we can
4. Sometimes you may carry out more than one walk each week in an attempt at better weather conditions. You can enter both and the system will use your best results.
5. If you are unable to submit data using the online system due to internet connection problems you can still submit data in paper format.



THANKS

Huge thanks to the 'UK Butterfly Monitoring Scheme' who provided the core online data submission system and allowed us to adapt it to our needs.

Thanks to John van Breda who adapted the system to Ireland.

Thank you to Anthony Pickering who helped test the first version of the system to identify problems and bugs.

Massive thanks to all of you who participate in the scheme and collect the valuable data in the first place.