



## Online system for submitting Bumblebee Monitoring Scheme data

<http://monitoring.biodiversityireland.ie>

### Tutorial

*This tutorial provides a step-wise guide on how to register the details of your Bumblebee Monitoring Scheme walk and submit data each month*

Alternatively, we also have a free online course on bumblebee identification. Section 4 of this course provides details on how to take part in the Bumblebee Monitoring Scheme and includes some video demonstrations on how to use the online data submission system. You can access that here:

<https://www.biodiversityireland.ie/identifying-irish-bumblebees/lesson.html>

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How To Identify and Record Common Irish Bumblebees

## Signing up online to the BBMS monitoring site (1)

Once you have chosen your route and made a note of the different habitat types along the route, you are ready to register with the online monitoring site. There are four steps to registering your details:

**Step 1. Create an account on the BBMS monitoring website**  
Click [here](#) for a video demonstration

**Step 2. Enter your bumblebee route details**  
Click [here](#) for a video demonstration

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Search...

PREV NEXT

<http://monitoring.biodiversityireland.ie>

The screenshot displays the website's header with the logo for the National Biodiversity Data Centre, which includes icons of a butterfly, a bird, and a tree. The main title is "Biodiversity Monitoring in Ireland". In the top right corner, there are links for "Register" and "Login". A black arrow points from the "Register" link to a text box that says "Register as a user of the website". Below the header is a navigation menu with links for "Home", "Butterfly Monitoring", "Bumblebee Monitoring", and "Project Websites".

The "User login" section contains a form with fields for "Username:" and "Password:", each with a red asterisk indicating a required field. Below these fields are links for "Create new account" and "Request new password". A blue "Log in" button is positioned below the form.

The main content area features a map of Ireland and the surrounding region, including parts of the United Kingdom and Wales. The map is overlaid with a grid and numerous red circular markers indicating monitoring locations. A legend in the top right corner of the map area includes the following options: "Terrain" (represented by a white circle), "Satellite" (represented by a black circle), "Counties" (represented by a white square), "Butterflies" (represented by a checked box), and "Bumblebees" (represented by an unchecked box).

**Step 1: Register to use the site**

http://monitoring.biodiversityireland.ie

[Register](#) [Login](#)



## Biodiversity Monitoring in Ireland

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[Home](#) [Butterfly Monitoring](#) [Bumblebee Monitoring](#) [Project Websites](#)

Home » User account

### User account

[Create new account](#) [Log in](#) [Request new password](#)

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

By submitting this form, you accept the [Mollom privacy policy](#).

[Create new account](#)

The National Biodiversity Data Centre is an Initiative of the Heritage Council and is operated under a service level agreement by Compass Informatics.  
The Centre is funded by the Department of Arts, Heritage and the Gaeltacht.  
The National Biodiversity Data Centre is very grateful to the UK Butterfly Monitoring Scheme for providing this online system and allowing us to adapt it to our needs.

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**Step 1: Register to use the site**

## User login

Username: \*

Password: \*

[Create new account](#)

[Request new password](#)

Log in



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

<http://monitoring.biodiversityireland.ie>

Logged in as *una.fitzpatrick* >>My Account Logout

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Documenting Ireland's Wildlife

**Biodiversity Monitoring in Ireland**

Home Butterfly Monitoring Bumblebee Monitoring Project Websites

Leaflet | Powered by Esri | Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Step 2:** when you login, this is the screen you will see



[My Bumblebee Sites](#)

[My Bumblebee Walks](#)

[Bumblebee Sites/Visits Summary](#)



- Terrain
- Satellite
- Counties
- Butterflies
- Bumblebees



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

Select 'My bumblebee Sites'

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

## Bumblebee Site Details

### 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):  \*

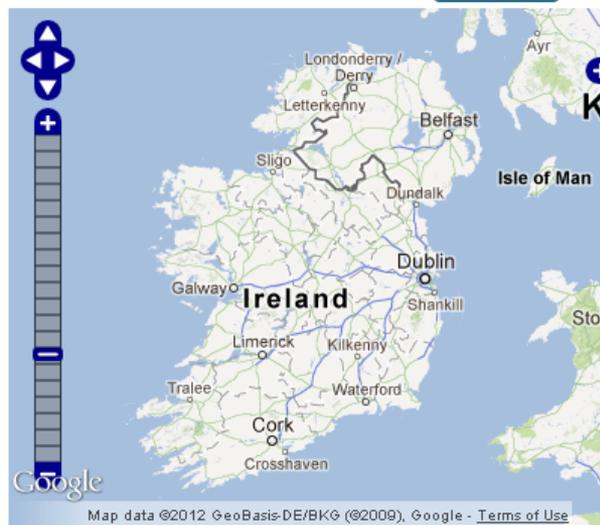
Year established:

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:



#### Habitat

Principal transect habitat:  ▼

2nd transect habitat:  ▼

Notes on land use and management:

## Bumblebee Site Details

### 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):  \*

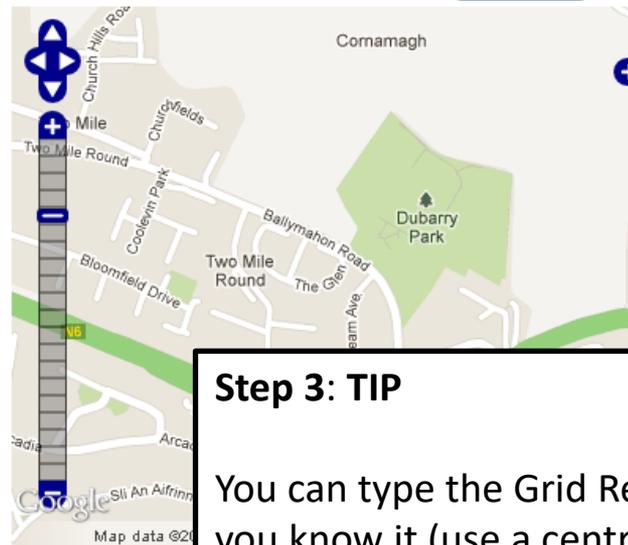
Year established:

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:



### 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:

## Bumblebee Site Details

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:

Habitat

Principal transect habitat:

2nd transect habitat:

Notes on land use and management:

Search for place:



Use the search box to find a nearby transect, drag the map to pan and click on the grid reference of the transect. Alternatively, the grid reference you can enter it in the left.

Save

### 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.

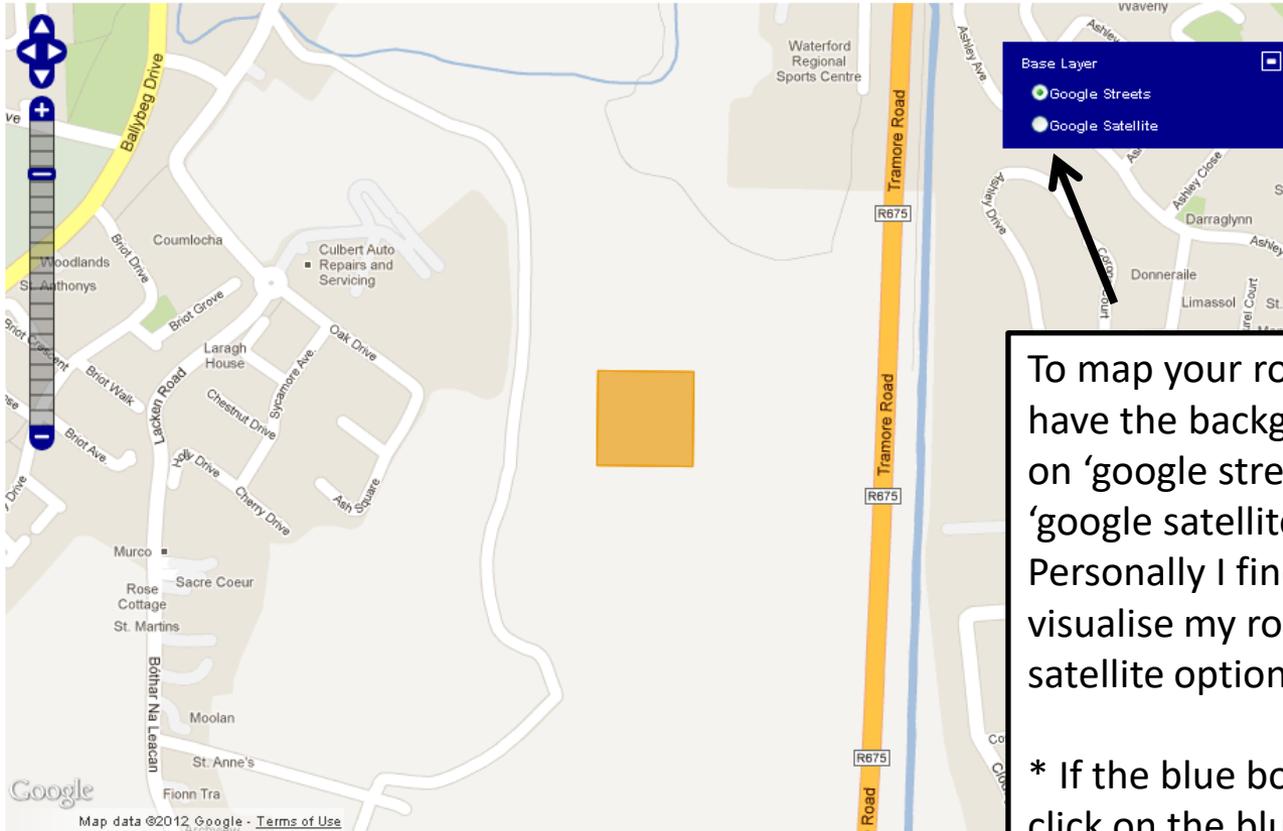
Once you're happy you've filled in all the site details click 'save'

## 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

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

**Delete**

Base Layer  
 Google Streets  
 Google Satellite

Google  
Imagery ©2012, DigitalGlobe, GeoEye - Terms of Use

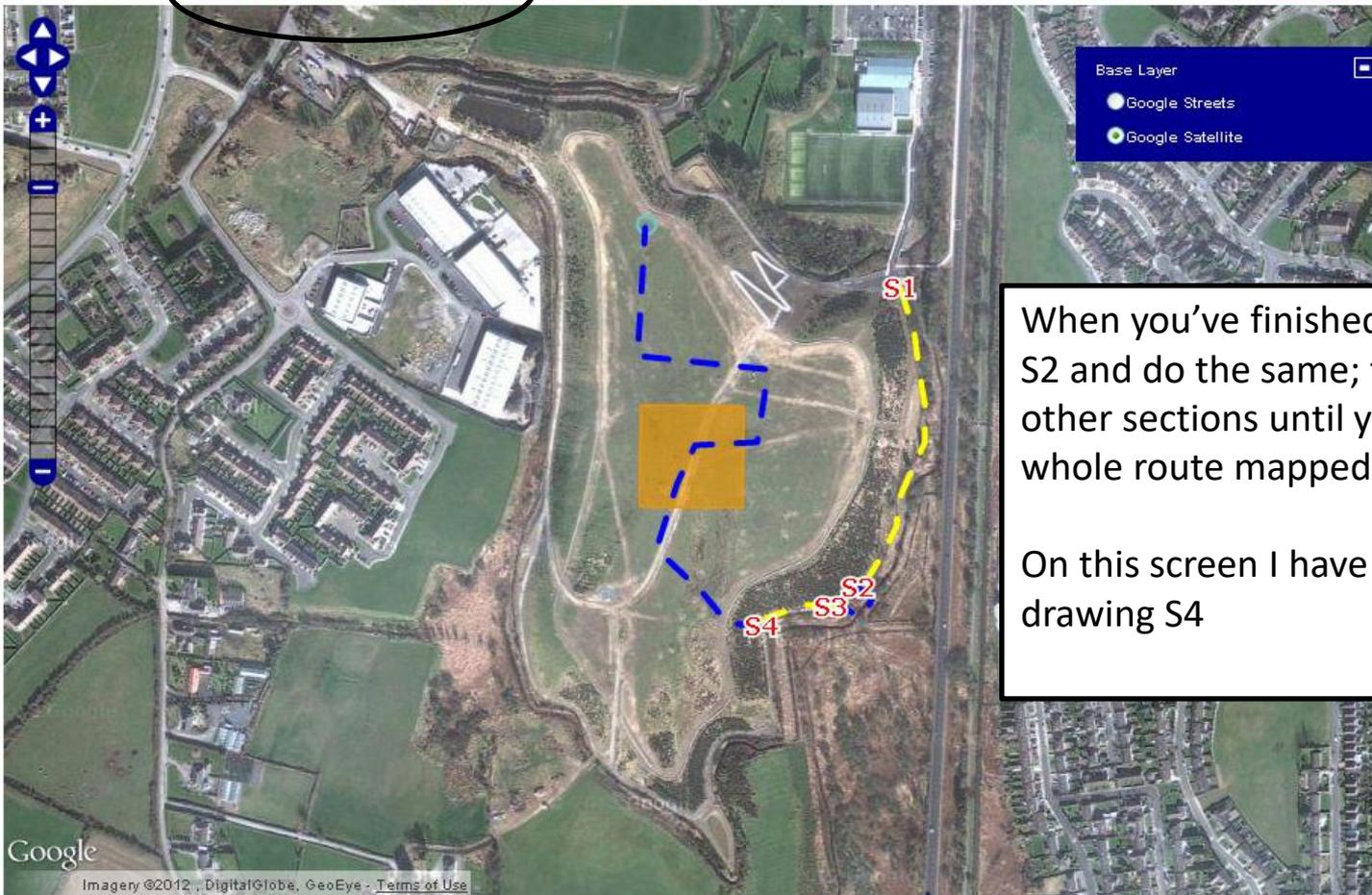
Select S1 (section 1) and draw your route using the mouse. When you've reached the end of the section double click and it will be saved.

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



Base Layer

- Google Streets
- Google Satellite

Google  
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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.

## 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:

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):

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 Bumblebee Sites' you'll see the details of your walk (I have registered details of four walks). You can enter details for as many different walks as necessary.

Home

### My Bumblebee Sites

Site Name	No. of record		
Carriganore	799		
Kilbarry Nature Park	536		
River Suir walk	428	18	<a href="#">edit</a>
Tramore Strand	251	21	<a href="#">edit</a>

[first](#) [prev](#) [1](#) [next](#) [last](#) Showing records 1 to 4 of 4

[Add Site](#) [Download this report](#)

[My Bumblebee Sites](#)

[My Bumblebee Walks](#)

[Bumblebee Sites/Visits Summary](#)

### 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 monthly bumblebee 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 me 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 month.

Logged in as [Anonymous](#) >> [My Account](#) [Logout](#)

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Documenting Ireland's Wildlife

**Biodiversity Monitoring in Ireland**

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- [My Bumblebee Sites](#)
- [My Bumblebee Walks](#)
- [Bumblebee Sites/Visits Summary](#)
- [My Bumblebee Walks](#)

Map Legend:

- Terrain
- Satellite
- Counties
- Butterflies
- Bumblebees

To submit data each month go to 'My Bumblebee Walks'

## Step 6: Submitting monthly monitoring data

14	May	31 Tramore Strand 	1	2	3	4	5	6
15	Jun	7	8	9	10	11	12	13
16	Jun	14	15	16	17	18	19	20
17	Jun	21 River Suir walk Kilbarry Nature Park 	22	23	24 Tramore Strand 	25	26	27
18	Jun	28	29	30	1	2		
19	Jul	5	6	7	8	9		
20	Jul	12	13	14	15	16		
21	Jul	19	20 Tramore Strand Kilbarry Nature Park 	21	22	23		
22	Jul	26 River Suir walk 	27	28	29	30		
				Create a new sample on 28/07/2021				
23	Aug	2	3	4	5	6	7	8
24	Aug	9	10	11	12	13	14	15
25	Aug	16	17	18	19	20	21	22
26	Aug	23	24	25	26	27	28	29
27	Aug	30	31	1	2	3	4	5

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

Yellow boxes show where data has already been submitted (I walk a number of different routes within the scheme).

## Step 6: Submitting monthly monitoring data

Home

### Bumblebee Walk Data Entry

Transect:	Kilbarry Nature Park
Date:	<input type="text" value="20/07/2021"/>
Recorder Name:	<input type="text" value="Fitzpatrick, Una"/>
Start Time (hh:mm):	<input type="text" value="13:35"/>
End Time (hh:mm):	<input type="text" value="14:15"/>
% sun:	<input type="text" value="100"/>
Temp (Deg C):	<input type="text" value="27"/> <input type="button" value="v"/>
Wind Speed:	<input type="text" value="0. Smoke rises vertically"/> <input type="button" value="v"/>
Wind Direction:	<input type="text" value="No direction"/> <input type="button" value="v"/>

Fill in the details of your monthly walk. The example shows my data from Kilbarry Nature Park on the 20<sup>th</sup> July.

For % sun use an average value across all your sections

Once you're happy click 'Next'

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

*The National Biodiversity Data Centre is very grateful to the UK Butterfly Monitoring Scheme for providing this online system and allowing us to adapt it to our needs.*

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## Step 6: Submitting monthly monitoring data

### Bumblebee Walk Data Entry

Kilbarry Nature Park on 20/07/2021

Sections	S1	S2	S3	S4	S5	Total
% sun	100	100	100	100	100	
Bombus distinguendus Queen						0
Bombus distinguendus Worker						0
Bombus distinguendus Male						0
Bombus hortorum Queen						0
Bombus hortorum Worker						0
Bombus hortorum Male					1	1
Bombus jonellus Queen						0
Bombus jonellus Worker						0
Bombus jonellus Male						0
Bombus lapidarius Queen						0
Bombus lapidarius Worker						0
Bombus lapidarius Male				1		1
Bombus lucorum Queen						0
Bombus lucorum agg.		1		1		2
Bombus lucorum Male						0
Bombus monticola Queen						0
Bombus monticola Worker						0
Bombus monticola Male						0
Bombus muscorum Queen						0
Bombus muscorum Worker						0
Bombus muscorum Male						0
Bombus pascuorum Queen						0
Bombus pascuorum Worker	2	2			2	6
Bombus pascuorum Male						0
Bombus pratorum Queen						0
Bombus pratorum Male						0
Bombus pratorum Worker						0
Bombus ruderarius Queen						0
Bombus ruderarius Worker						0
Bombus ruderarius Male						0
Bombus sylvarum Queen						0
Bombus sylvarum Worker						0

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

**Note:** you will need to fill in the correct % sun for each section. The average value you filled in previously will be copied across

## Step 6: Submitting monthly monitoring data



# Biodiversity Monitoring in Ireland

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Home

## Bumblebee Walk Data Entry

### Kilbarry Nature Park on 20/07/2021

Bumblebees

Notes

Notes:

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

**Submit**

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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## Step 6: Submitting monthly monitoring data

Bombus pascuorum Queen						0
Bombus pascuorum Worker	2	2			2	6
Bombus pascuorum Male						0
Bombus pratorum Queen						0
Bombus pratorum Male						0
Bombus pratorum Worker						0
Bombus ruderarius Queen						0
Bombus ruderarius Worker						0
Bombus ruderarius Male						0
Bombus sylvarum Queen						0
Bombus sylvarum Worker						0
Bombus sylvarum Male						0
Bombus terrestris Queen						0
Bombus terrestris Worker						0
Bombus terrestris Male	1					1
Bombus (P.) barbutellus Queen						0
Bombus (P.) barbutellus Male						0
Bombus (P.) bohemicus Queen						0
Bombus (P.) bohemicus Male						0
Bombus (P.) campestris Queen						0
Bombus (P.) campestris Male						0
Bombus (P.) rupestris Queen						0
Bombus (P.) rupestris Male						0
Bombus (P.) sylvestris Queen						0
Bombus (P.) sylvestris Male						0
Apis mellifera		2			3	5
Bombus hypnorum Queen						0
Bombus hypnorum Worker						0
Bombus hypnorum Male						0
<b>Total</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>6</b>	

Use species list :  ▼

**Finish**

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

						Kilbarry Nature Park									
						Tramore Strand									
						+									
17	Jun	21	+	22	+	23	+	24	+	25	+	26	+	27	+
18	Jun	28	+	29	+	30	+	1	+	2	+	3	+	4	+
19	Jul	5	+	6	+	7	+	8	+	9	+	10	+	11	+
20	Jul	12	+	13	+	14	+	15	+	16	+	17	+	18	+
21	Jul	19	+	20	+	21	+	22	+	23	+	24	+	25	+
22	Jul	26		27	+	28	+	29	+	30	+	31	+	1	+
						Kilbarry Nature Park									
						Tramore Strand									
						+									
23	Aug	2	+	3	+	4	+	5	+	6	+	7	+	8	+
24	Aug	9		10	+	11	+	12	+	13	+	14	+	15	+
						Kilbarry Nature Park									
						+									
25	Aug	16	+	17	+	18	+	19	+	20	+	21	+	22	+
26	Aug	23	+	24	+	25	+	26	+	27	+	28	+	29	+
						Tramore Strand									
						+									
27	Aug	30	+	31	+	1	+	2	+	3	+	4	+	5	+
28	Sep	6		7	+	8	+	9	+	10	+	11	+	12	+
						Tramore Strand									
						+									
29	Sep	13	+	14	+	15	+	16	+	17	+	18	+	19	+

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. To edit a previous walk just click on the blue text.

I will extract the data on the **31<sup>st</sup> December** each year so all corrections will need to be made before then.



## 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. We recommend entering your data each month but it can all be done at the end if necessary. **All data for a given year needs to be entered into the system by the 31<sup>st</sup> December.**
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 month in an attempt at better weather conditions. You can enter both and the system will use your best results.



## THANKS

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 and included the bumblebee monitoring component.

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

**Huge thanks to all our bumblebee monitoring scheme volunteers who generously give their time to help track Ireland's bumblebees.**