

SJ Dolphin Watch

Instructions for installing and using the Epicollect5 app



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Marine Biology Section

Société Jersiaise

7 Pier Road

St Helier

Jersey JE2 4XW

Email: marinebiology@societe-jersiaise.org

Web: www.jerseycoast.co.uk

Web: societe-jersiaise.org

SJ Dolphin Watch - Introduction



SJ Dolphin Watch is a smartphone app (hosted on Epicollect5) that collects sightings of dolphins, seals, sharks and other large marine animals in the Channel Islands area. To install the app and load the SJ Dolphin Watch project follow the instructions given here.

The app is designed to be used in the field while the encounter is happening and as such it is aimed primarily at boat owners. The app can be used on an iPhone, iPad or Android smartphone/tablet with a GPS.

Reporting a sighting using the app should under a minute. The app asks a few simple questions and adds a GPS location, date and time to the record automatically. The report is made offline (so a mobile signal/wifi connection is not necessary) and then saved to your device. It can be uploaded to the project website at a time of your choosing.

The report should be completed at the time of the sighting and not several hours or days later. Those wishing to retrospectively report sightings should use the wildlife recording form on the Marine Biology webpage at the Société Jersiaise website: www.societe-jersiaise.org.

Please note that all records submitted to this survey are publicly accessible via the Epicollect5 and Société Jersiaise websites so please do not submit personal information with your sightings. These records are used by the Societe Jersiaise and other organisations as part of their wider marine monitoring work.

For more information see:

Marine Biology website (includes maps of app sightings): <http://www.jerseycoast.co.uk>

Epicollect5 website (information on the app): <https://five.epicollect.net/>

Société Jersiaise website (see Marine Biology Section): <http://societe-jersiaise.org/>

Part One: How to install Epicollect5 and SJ Dolphin Watch

- A Step-by-step guide -

1 - Find 'Play Store' (Android); or Apple Store (iPhone)

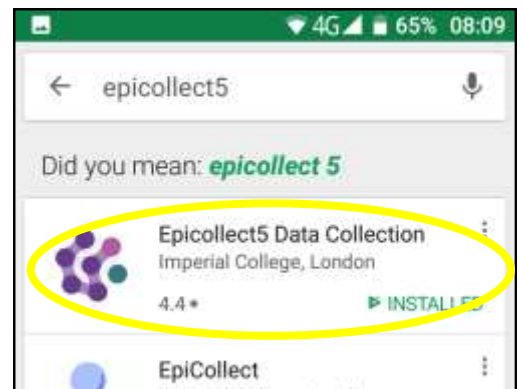
Before installing your phone/tablet must:

- Be on Android 4.4 or higher
- Be on Apple iOS8 or higher
- Have sufficient memory/storage space



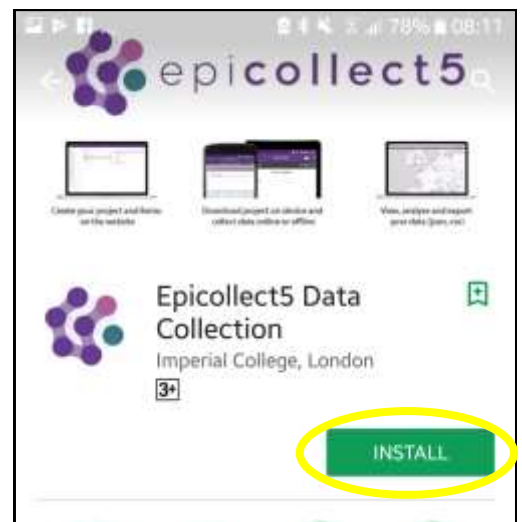
2 - Search for 'Epicollect5'

NOTE: Ignore 'Epicollect' or 'Epicollect+' as these are different to 'Epicollect5'



3 - Install 'Epicollect5' on your device

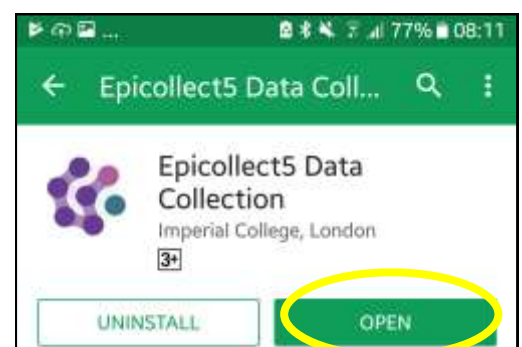
NOTE: Do not install 'Epicollect' or 'Epicollect+' as these are different to 'Epicollect5'



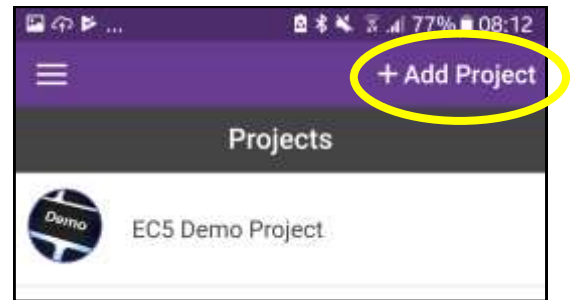
4 - Open 'Epicollect5' on your device

NOTE: You may be warned/asked permission for Epicollect5 to use your location services (i.e. GPS).

Agree to this. The app does not gather personal data and only sends information to the dolphin project.

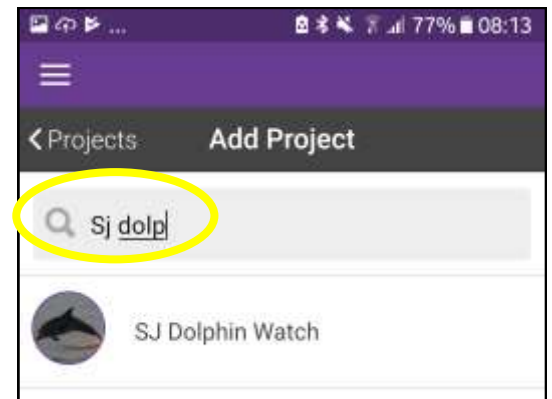


5 - Once open, select '+Add Project'



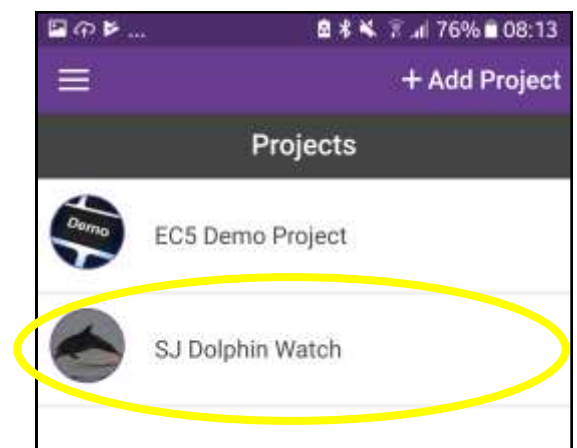
6 - Type 'SJ Dolphin Watch' in the search box

When it finds 'SJ Dolphin Watch', select it and the project will be installed into Epicollect5.



6 - To start recording, select 'SJ Dolphin Watch'

See instructions below regarding making your first sighting record.



7 - For further information see

Epicollect5 website: <https://five.epicollect.net/>

Epicollect5 instructions for mobile devices:

<https://epicollect5.gitbooks.io/epicollect5-user-guide/content/mobile-application.html>

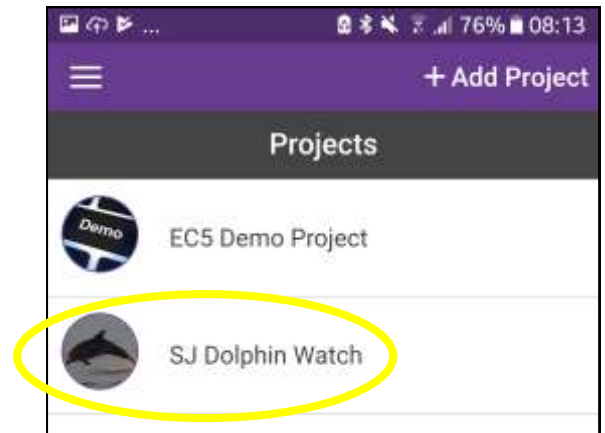
Part Two: How to record a sighting using Epicollect5

- A Step-by-step guide -

1 - Open the App

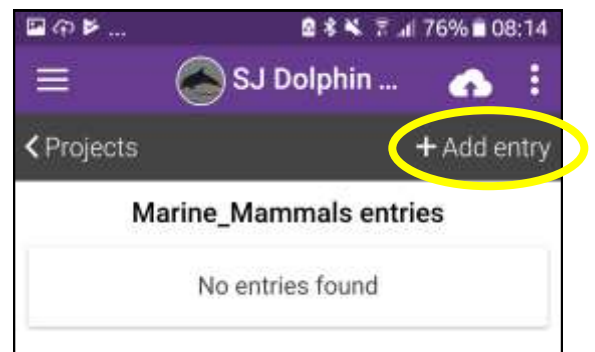
Open Epicollect App on your Phone

Select the 'SJ Dolphin Watch' project



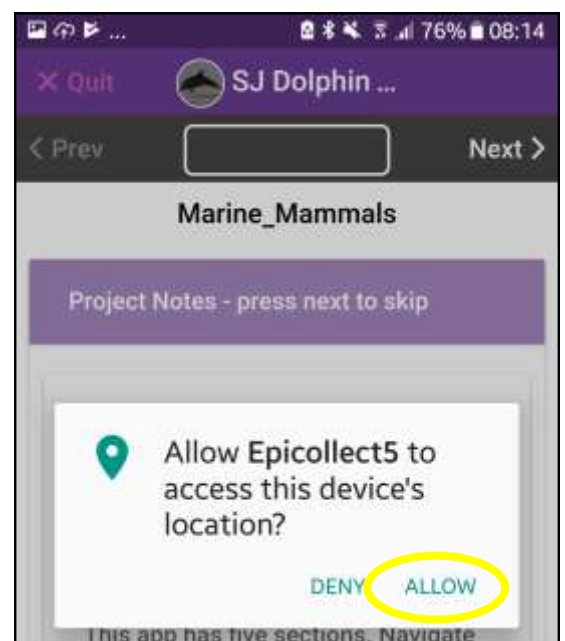
2 - CREATE A NEW SIGHTING RECORD

Select '+ Add Entry'



NOTE: The first time you use the app your phone may ask permission to access the location services (i.e. GPS). To use Epicollect5 you need to select yes.

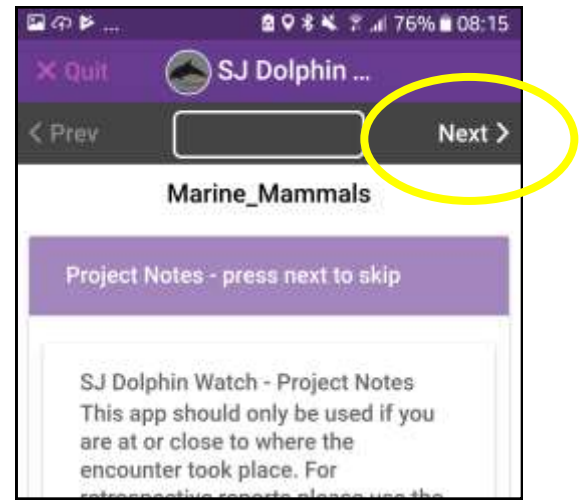
This app will only use location information for dolphin sightings. It does not collect any other user information or send data to a third party.



3 - SCREEN ONE: Project Notes

The first page of the app contains instructions to the project and links to online ID guides.

If you have read these or don't want to read them then press 'Next' to move on.



4 - SCREEN TWO: Get a GPS position

The second page will ask you to add a location.

To do this press 'Update Location'.

This should add numbers to the 'Latitude', Longitude' and 'Accuracy' boxes.

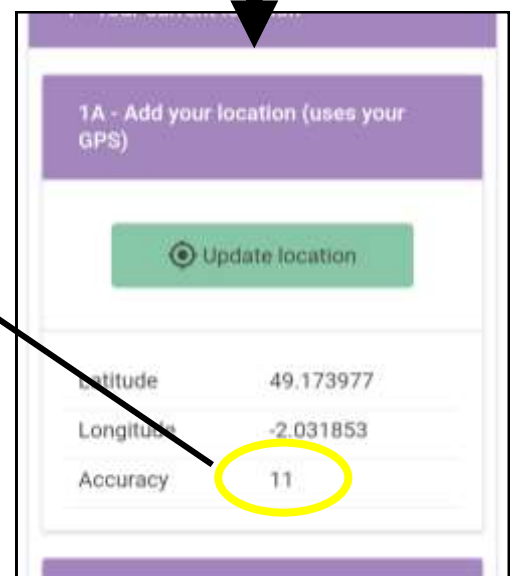
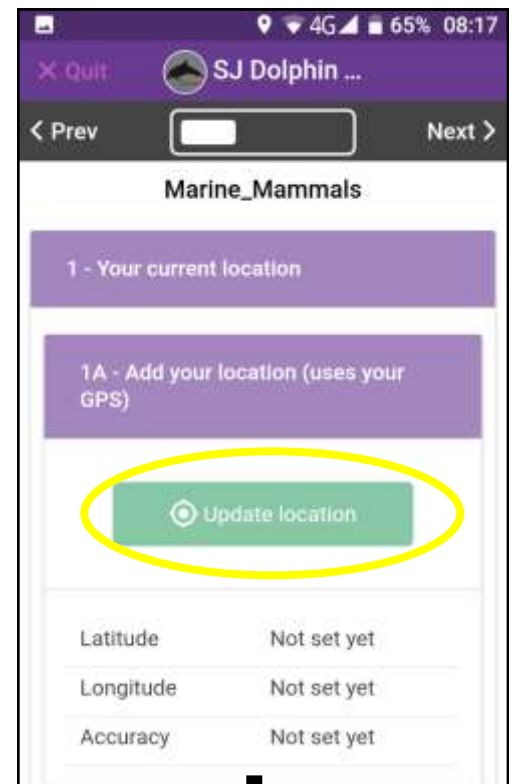
IMPORTANT!

PLEASE CHECK THE FIGURE IN THE 'ACCURACY' BOX

It needs to be between **1 and 200** for us to use your record.

If it is not below 200 then wait 10 secs and press the 'Update Location' button again. Keep doing this until it drops below 200.

This usually happens because the phone has been turned off or has been asleep. After reactivation it may take 1 to 2 mins before the GPS can get an accurate position.



5 - SCREEN TWO: Date and Time

The current date and time are added automatically. In most situations, once you've obtained a GPS position you can press 'Next' to move to Page Three.

The date and time can be changed manually

However, we want the app used at the time of the sighting and not several hours or days later.

If need to make a retrospective report then we would prefer you did so via the Société Jersiaise website:

<http://societe-jersiaise.org/sections/marine-biology/report-a-marine-life-sighting>

The screenshot shows the 'Date and Time' screen in the SJ Dolphin app. The top bar has a 'Quit' button and the app name 'SJ Dolphin ...'. Below the bar are 'Prev' and 'Next >' buttons. The main content area has two sections: '1B - Add the date (default is today) (dd/MM/YYYY)' and '1C - Add the time (default is current time) (HH:mm)'. Both sections have a dropdown menu showing the selected date and time. The date is 23/09/2017 and the time is 08:16:55. The 'Next >' button is circled in yellow.

6 - SCREEN THREE: Which Species?

The third page asks for details of the sighting. Most important is the species.

Select 'Pick Possible Answer' under 'Which species can you see?'. Select the species you can see.

If you are uncertain or if the species is not in the list then select 'Other dolphin...' and give smore details in the 'Sighting Notes' box.

If more than one species is present then please make a separate report for each species.

The screenshot shows the 'Which Species?' screen in the SJ Dolphin app. The top bar has a 'Quit' button and the app name 'SJ Dolphin ...'. Below the bar are 'Prev' and 'Next >' buttons. The main content area has a section titled 'Marine_Mammals' with a sub-section '2 - About your Sighting'. Below this is a sub-section '2A - Which species can you see?' with a dropdown menu showing 'Pick possible answer'. The 'Next >' button is circled in yellow.

The screenshot shows the species selection list in the SJ Dolphin app. The list includes 'Pick possible answer', 'Bottle-nose Dolphin', 'Grey Seal', 'Common Dolphin', 'Risso's Dolphin', 'Pilot Whale', 'Porpoise', 'Other dolphin whale or seal (provide details below)', and 'Sunfish'. The 'Bottle-nose Dolphin' option is selected.

6 - SCREEN THREE: Other Information

The remainder of Screen Three will ask you for basic details . These are optional and can be ignored but the first three are nonetheless important.

- **The number of animals.**

Enter a single number

- **Whether is number is exact or an estimate.**

Tick one of the two options

- **How close they are.**

Select from a list (e.g. 0 to 100m)

- **Where are you?**

Select from a list (e.g. Private Boat)

- **Add a photograph**

Press 'take' and follow your phone's instructions. Taking pictures of fast moving animals is difficult.

- **Sighting notes**

Write any other information here. This could include the animals' direction of travel, number of juveniles and adults, their behaviour (e.g. bow riding), duration of sighting (e.g. 5 mins) and sea state (e.g. slight).

When you've given as much information as you can, press 'Next' at the top of the screen.

Quit SJ Dolphin ...

< Prev [] Next >

2B - How many animals can you see?

20

2C - Is this figure exact or approximate?

Exact

Approximate ✓

2D - How close were they?

0 to 100m

2E - Where are you?

Private boat

Add a photograph

Take Pick

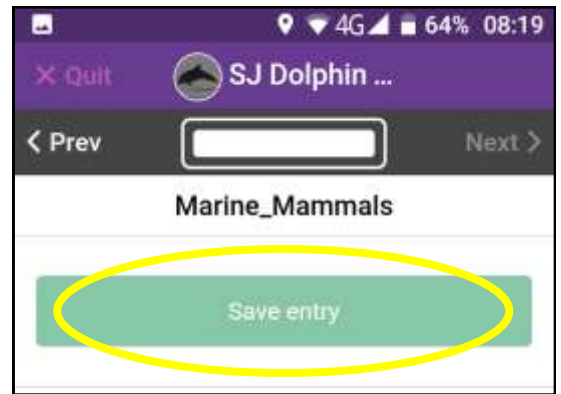
2F - Sighting notes

Type answer here...

7 - SCREEN FOUR: SAVE THE ENTRY

Select 'Save Entry'.

The sighting details will be saved to the phone and the app will move on to the next page.



8 - SCREEN FIVE: UPLOAD SAVED ENTRIES

Your sightings will be saved on your phone until you are ready to send them to us (this means you can wait until you have a mobile signal or wifi).

- To send them select 'Upload now'

The screen will change

- Then press 'Upload data'

The text data will be uploaded

- If you have a photo then press 'Upload photos'

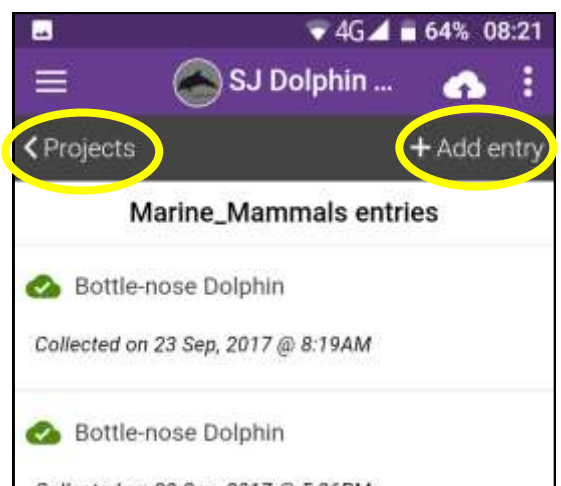
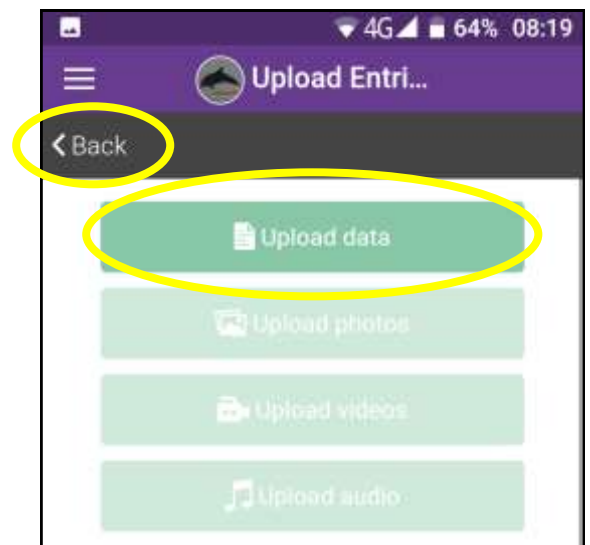
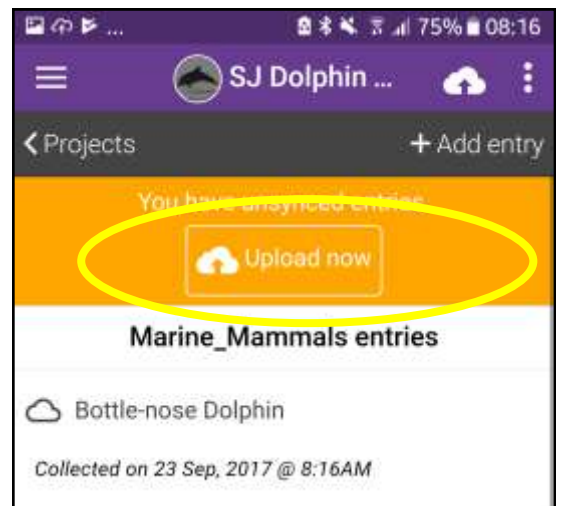
The photo will be uploaded

- The screen will confirm the uploading

- Press 'Back' to return to your entries

- Press 'Projects' to return to the start

- Or 'Add entry' to make a new sighting record.



How to record a dolphin or seal sighting using Epicollect5 - One Page Summary

1 - Open the App. Select 'SJ Dolphin Watch'.

2 - Select '+Add entry'.

3 - Screen One: Read text or press 'Next'.

4 - Screen Two: Select 'Update location'.

5 - Check 'Accuracy' is below 200; press 'Update location again' until it is.

6 - Time and date are added automatically.

7 - Press 'Next'.

8 - Screen Three: Select species from list.

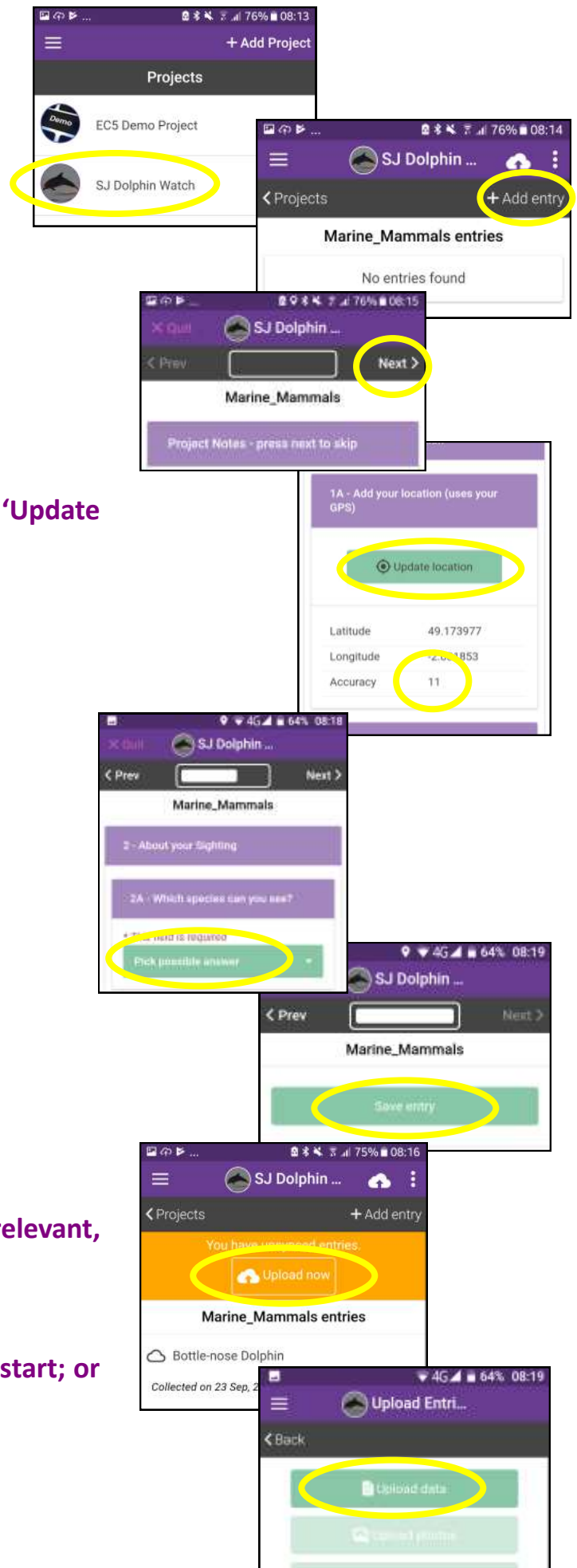
9 - Fill in other optional details. Press 'Next'.

10 - Press 'Save entry'.

11 - When convenient press 'Upload now'.

12 - Press 'Upload data' and then, if relevant, 'Upload photos'.

13 - Select 'Back' and 'Projects' to return to start; or 'Add entry' to make another record.

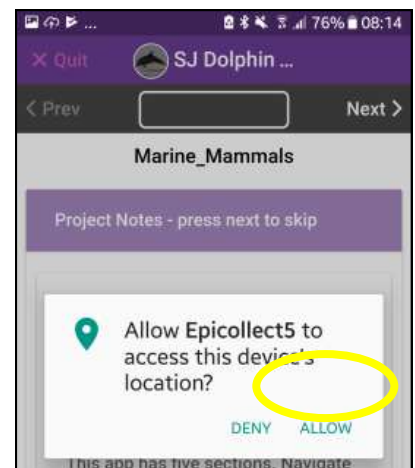


Troubleshooting

Permission box appears on first use of app

The first time you use the app your phone may ask permission to access the location services (i.e. GPS). To use Epicollect5 you need to select yes.

This app will only use location information for dolphin sightings. It does not collect any other user information or send data to a third party.



Error box associated with 'Update location'

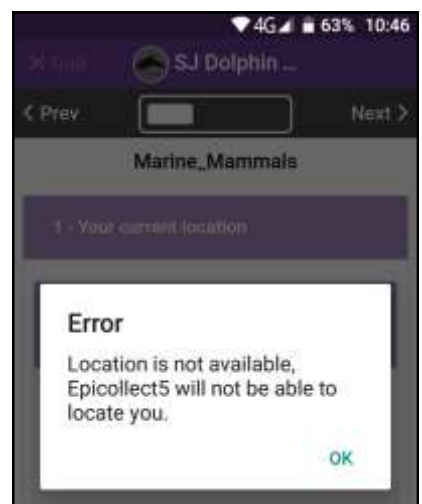
This error box usually means that your GPS or location services are turned off on the phone.

To continue turn on your location settings, preferably to high accuracy.

If this doesn't work then you are possibly in a place where a GPS signal is hard to find (e.g. inside an enclosed cabin). Move onto the deck or near to a window and try again.

If none of this works then there may be an issue with your phone or the GPS. Make a note of the lat/long, time and date from your chartplotter and email the sighting details to:

marinebiology@societe-jersiaise.org



Errors associated with uploading entries

There are two main causes for uploading problems.

- 1 - You are not connected to the Internet via your mobile phone or Wifi. Move to an area with a stronger signal/Wifi and try again.
- 2 - There was one occasion when the Epicollect5 server went down which meant people couldn't upload their records. If this happens again be patient and wait a day or so before uploading.

All other issues/enquires contact us on: marinebiology@societe-jersiaise.org

Part Three: How can I see my records?

All records are open access and may be seen on one of two websites

1 - Submitted records may be seen immediately on the Epicollect5 project website

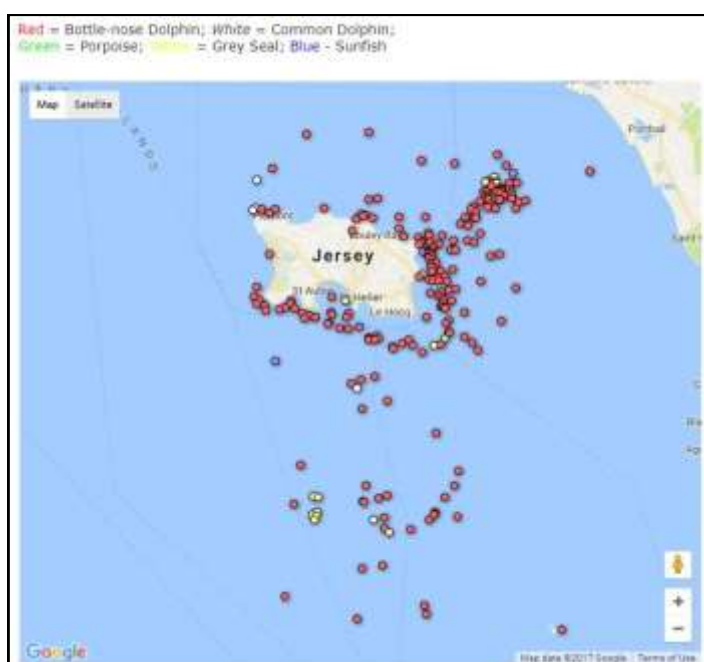
<https://five.epicollect.net/project/sj-dolphin-watch/data>

This has the raw records in a table format and also visible on a map.

2 - New records are added weekly to an interactive map on the Marine Biology Website

<http://www.jerseycoast.co.uk/dolphin-map.html>

SJ Dolphin Watch Marine Mammals					
View	Title	Created At	1A - Add your location (Lat/Long)	1B - Add the date (default to today)	1C - Add the time (if known)
	Bottle-nose Dolphin	17th Sep. 2017	49.17436, -1.867	17/09/2017	11:50
	Porpoise	17th Sep. 2017	49.262946, -2.221432	17/09/2017	14:06
	Bottle-nose Dolphin	17th Sep. 2017	49.273732, -1.887213	17/09/2017	09:28
	Grey Seal	30th Sep. 2017	49.202787, -2.016123	30/09/2017	14:57
	Bottle-nose Dolphin	30th Sep. 2017	49.166262, -2.321961	30/09/2017	15:31
	Bottle-nose Dolphin	30th Sep. 2017	49.03181, -2.047812	30/09/2017	14:58
	Bottle-nose Dolphin	30th Sep. 2017	49.190813, -2.091267	30/09/2017	11:30
	Bottle-nose Dolphin	30th Sep. 2017	49.211067, -2.00709	30/09/2017	12:29
	Bottle-nose Dolphin	30th Sep. 2017	49.200887, -1.809991	30/09/2017	10:51
	Common Dolphin	2nd Sep. 2017	49.304834, -2.327381	02/09/2017	17:40
	Bottle-nose Dolphin	2nd Sep. 2017	49.231454, -1.972877	02/09/2017	14:22
	Bottle-nose Dolphin	1st Sep. 2017	49.177436, -2.348881	01/09/2017	18:01
	Bottle-nose Dolphin	1st Sep. 2017	49.260712, -1.921804	01/09/2017	11:54
	Bottle-nose Dolphin	1st Sep. 2017	49.272394, -1.947296	01/09/2017	10:52
	Bottle-nose Dolphin	31st Aug. 2017	49.43457, -2.340542	30/08/2017	10:09



3 - For further information see

Marine Biology website: <http://www.jerseycoast.co.uk>

Epicollect5 website: <https://five.epicollect.net/>

Société Jersiaise website: <http://societe-jersiaise.org/>

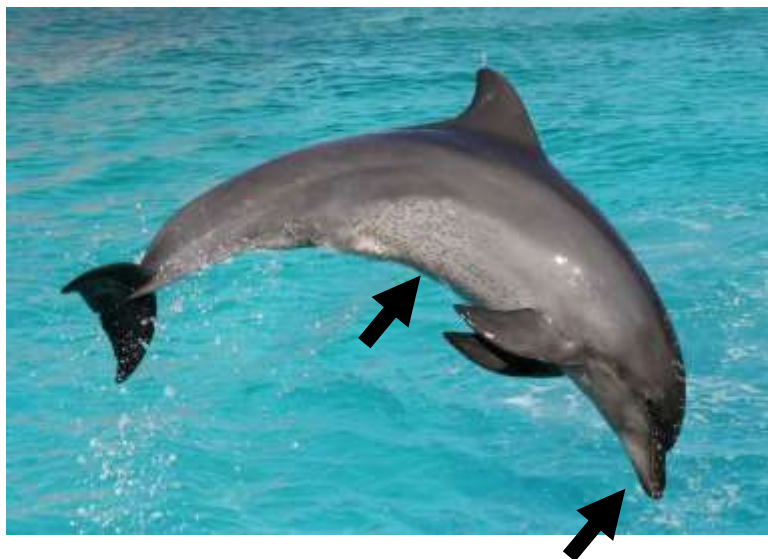
Species Identification:

http://www.wdcs.org/national_regions/scotland/shorewatch/species_identification.php

Part Four: Quick Identification Guide

Correct identification is crucial. If in doubt, photograph the animal and email the Société Jersiaise

Bottle-nose Dolphin



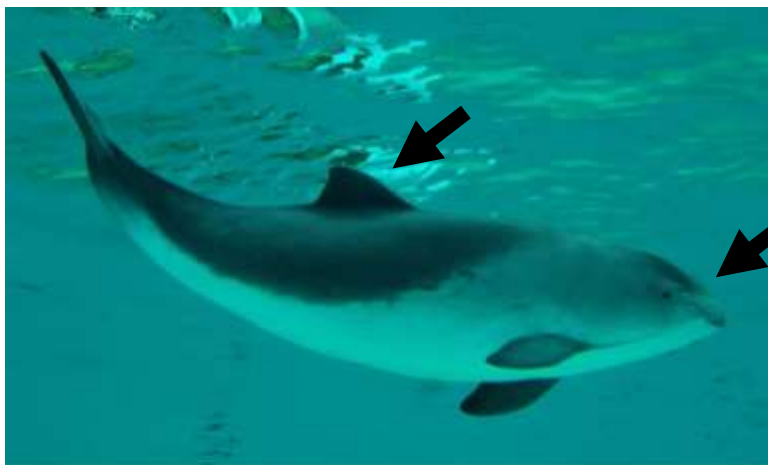
- Very common
- Brown/grey upper body
- Paler belly & chest (arrowed)
- Short beak (arrowed)
- Sickle-shaped dorsal fin
- Medium: up to 4 metres long

Common Dolphin



- Not uncommon
- Black upper body and flippers
- White belly & chest
- Yellow/black stripes (arrowed)
- Short, pointed beak
- Sickle-shaped dorsal fin
- Small: up to 2.5 metres long

Harbour Porpoise



- Rare
- Dark grey upper body
- Low, dorsal fin (arrowed)
- Light grey flanks and chest
- Blunt head: no beak (arrowed)
- Small: up to 2 metres long

Risso's Dolphin



- Rare
- Dark grey upper body
- Light grey belly and chest
- Deep scratches (arrowed)
- Tall, sickle-shaped dorsal fin
- Blunt head—no beak
- Medium: up to 4 metres long

Pilot Whale



- Very rare
- Black/dark grey body
- Light patches on belly/throat
- Low, long dorsal fin (arrowed)
- Blunt, bulbous head
- Large: up to 6 metres long

Grey Seal



- Common
- Straight nose profile (arrowed)
- Variable colour
- Medium: up to 3 metres long

Harbour Seal



- Rare
- Concave nose profile (arrowed)
- Dark, mottled colour
- Small: up to 2 metres long