



## OCEAN REPORTING APP – USER GUIDE

Introduction.....	2
Getting started .....	2
Install the app.....	3
Register an account .....	4
Open the app .....	5
View Hazard reports .....	6
Create a hazard report.....	9
Report a whale sighting .....	9
Report a shipping container sighting .....	11
Map view features .....	13
Settings page .....	14
Troubleshooting.....	15

## INTRODUCTION

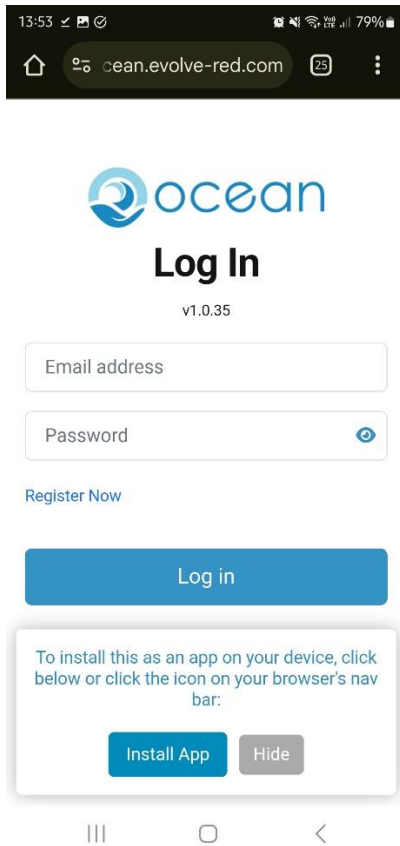
Use the OCEAN app to view and report transitory hazards to navigation, for example, lost shipping containers or pods of whales. When mariner use the app to submit hazard reports, they are subsequently displayed in the map view as virtual ATON's for other mariners' benefit.

The OCEAN app is designed to mitigate marine mammal ship-strike risks, and to reduce the risk presented by floating obstacles to ships.

The OCEAN app uses Progressive Web Application (PWA) technology and can be used from a browser like any other web application or can be installed to your device where it behaves like a native app. It runs on any device using PWA compatible browsers such as Chromium-based browsers, for example, Chrome, Microsoft Edge, Opera, and Vivaldi. It can be run and installed on Desktop and Android or IOS mobile devices. The Ocean app can be used offline once you are registered and logged in, but it does need to periodically connect to sync warnings and to submit reports.

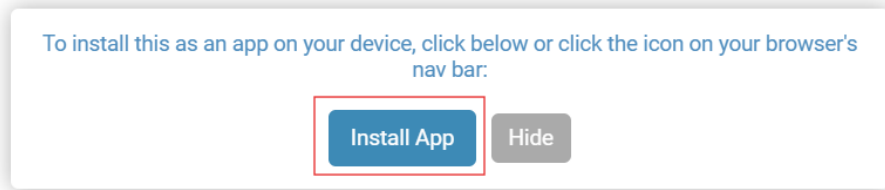
## GETTING STARTED

Go to: <https://ocean.evolve-red.com/> , a log in page is displayed if you have previously registered, and if you have not already installed the app, you are given the option to install the OCEAN app.



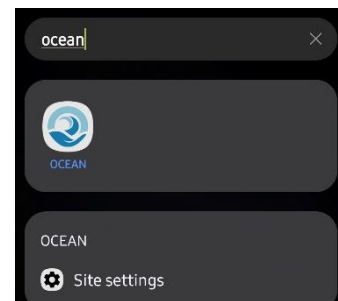
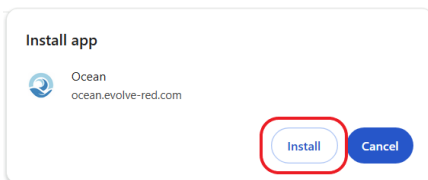
## INSTALL THE APP

1. In the dialog box, click **Install App**:

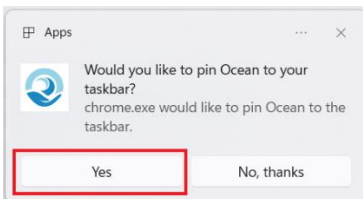


**Note:** Alternatively, if you chose not to install straight away, you can also use the **Install Ocean** icon (📥) from the browser address bar on **desktop** (icon appearance and location can vary by browser. Chromium based browsers supported PWAs natively, Firefox requires an extension). The native pop-up prompt to install the app, will be hidden once you click Hide.

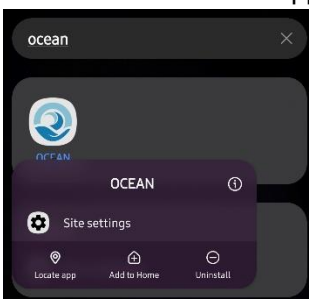
2. In the dialog box, click **Install**. You will see that the app appears with this OCEAN icon in your list of apps.




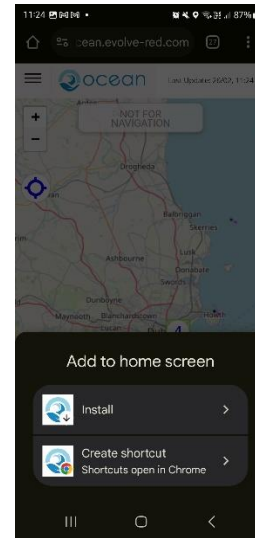
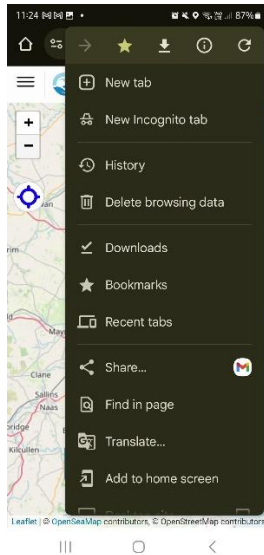
**Tip:** To add the Ocean app to your taskbar, click **Yes** in the following dialog box:



3. To **uninstall** the Ocean app, select the app icon, long-press and select Uninstall.



**Note: If you chose not to install when prompted initially, you can install later. To install on mobile devices you will need to tap the three-dot overflow menu in the top right corner and then select 'Add to home screen' on Chrome or 'Share'  and 'Add to home screen' on Safari. Chrome will show you this window where you select the Install option. As PWA technology continues to evolve, the ways to install this PWA may change.**



## REGISTER AN ACCOUNT

4. Click the [Register Now](#) link to create a new account.
5. In the dialog, provide an email address and password details and click **Register**.
6. Check your email for a registration confirmation message from OCEAN.
7. In the confirmation email, click the link to confirm your registration and you will be directed to the login page of the app.



**Ocean App** <iwdgtest@gmail.com>  
to coordinator ▾

Please confirm your email address for **Ocean** by clicking on the link below:

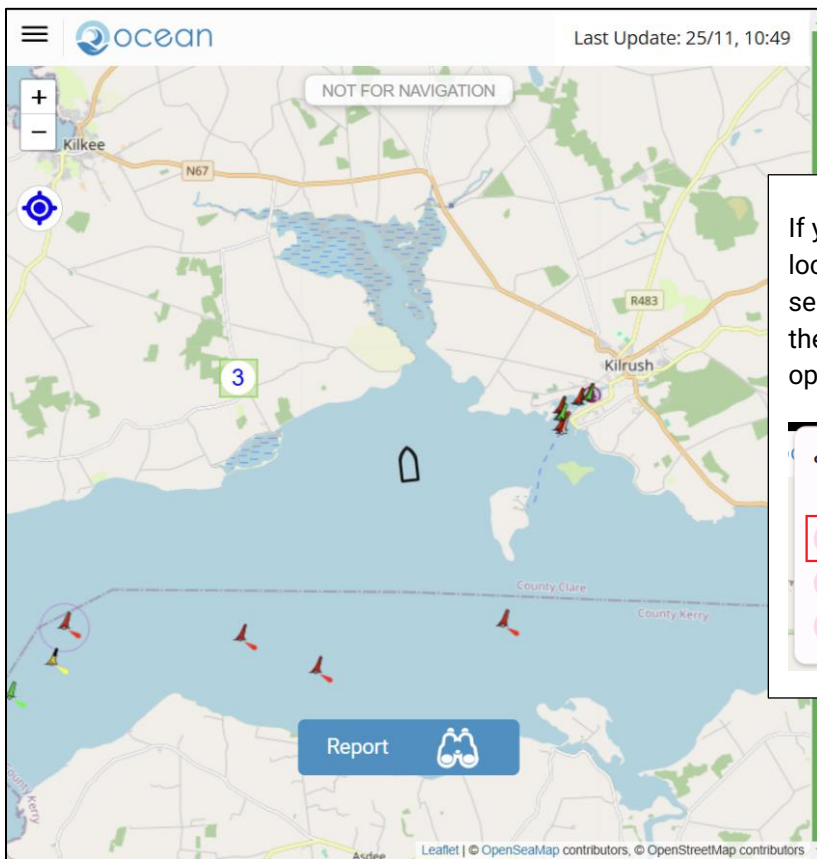
<https://cqr.evolve-red.com/main/confirm-email?guid=eec88896-a001-44f4-abc2-67e6d1e36451>

← Reply
↶ Reply to all
→ Forward

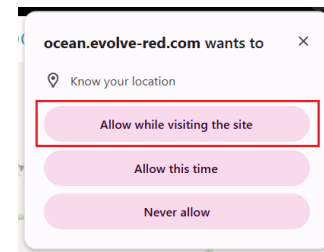


## OPEN THE APP

The OCEAN app opens with the Map View centred on your vessels' current position (assuming you are online and that you have provided the app location). If your vessel is stationary you will not see a heading line or a watch sector.






If you are presented with a location services dialog, select Allow while visiting the site, or equivalent option.



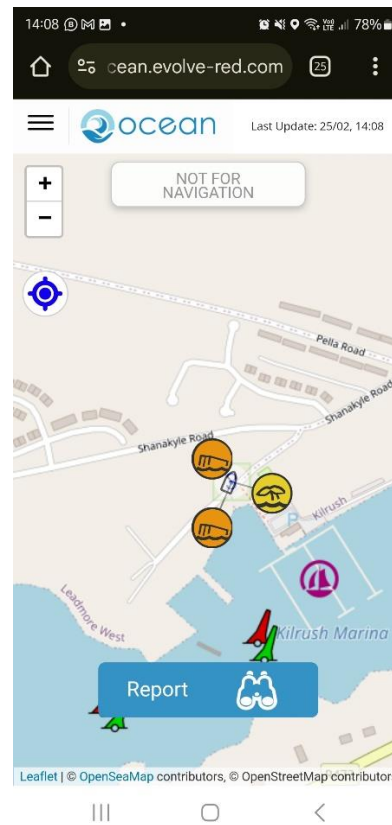
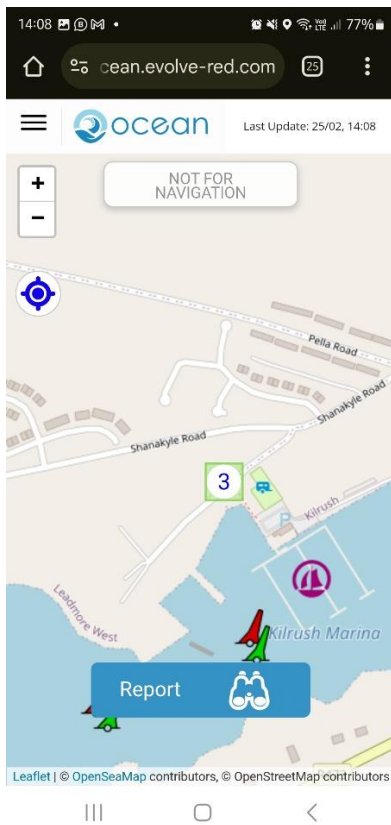
## VIEW HAZARD REPORTS

When a hazard report is submitted, its reported location is added as an icon to the Map View, where it is displayed for fixed period, which at the time of writing is set to 72 hours for a whale and 10 days for a container sighting..

Hazard locations shown using the following icons:

Hazard Icons	
Whale Sighting	
Container Sighting	
Whale or Container Polygon (This indicates a high possibility of encountering hazards based on models or whale detections represented by a single polygon or overlapping polygons)	

If there are multiple icons in that area you will see a circle with a number. See the following images:



Multiple polygons showing below based on whale presence modelling:



Click on a sighting record icon to view a summary of the hazard record.

On the summary panel, click **More Info** to view further details for the record.

In the More Info panel, you can also print and/or share the hazard by using the relevant icon.

**NOT FOR NAVIGATION**  
**NAVIGATIONAL WARNING**

**Marine Mammal**

Expires in 21 hours 6 minutes

Data Last Updated Wed Feb 26 2025 13:01:09 GMT+0000 (Greenwich Mean Time)

<b>Valid From:</b>	2025-02-26T10:07:09Z
<b>Expiry Datetime:</b>	2025-02-27T10:07:09Z
<b>Category:</b>	Large Whale
<b>Species:</b>	Sperm Whale
<b>Bounding Box:</b>	North: 38.34973

[More Info](#)

[Report](#)

**NOT FOR NAVIGATION**  
**NAVIGATIONAL WARNING**

**Floating Object**

Expires in 70 hours 22 minutes

Data Last Updated Wed Feb 26 2025 12:15:04 GMT+0000 (Greenwich Mean Time)

<b>Valid From:</b>	2025-02-26T10:37:11Z
<b>Expiry Datetime:</b>	2025-03-01T10:37:11Z
<b>Category:</b>	Refrigerated Container
<b>Location:</b>	Lat 53.348824, Lng -6.2019806
<b>Quantity:</b>	1

[More Info](#)

[Report](#)

**NAVIGATIONAL WARNING**

**Floating Object**

Expires in 70 hours 22 minutes

Data Last Updated Wed Feb 26 2025 12:15:04 GMT+0000 (Greenwich Mean Time)

<b>Valid From:</b>	2025-02-26T10:37:11Z
<b>Expiry Datetime:</b>	2025-03-01T10:37:11Z
<b>Expires In:</b>	70 hours 22 minutes
<b>Warning Type:</b>	Floating Object
<b>Category:</b>	Refrigerated Container
<b>Location:</b>	Lat 53.348824, Lng -6.2019806
<b>Quantity:</b>	1

Additional Information

<b>No of Containers:</b>	1
<b>Length (largest):</b>	40-45ft
<b>Type:</b>	REEF
<b>Colour:</b>	Red
<b>Floating Status:</b>	Partially Submerged
<b>Other Info:</b>	Offline1



## CREATE A HAZARD REPORT

From the Map View, you can report a hazard to navigation presented by a whale or lost shipping container.

## REPORT A WHALE SIGHTING

1. In the Map View, click **Report**.



A report type selection page is displayed.

2. In the report type selection page, click **Whale**:



A Whale Sighting details page is displayed.

3. In the Whale Sighting details page, select the relevant options as they relate to your sighting, for example, the number of animals, their estimated size, and whether you can identify the species.
4. If you indicate that you can identify the species, select a species from the list.

The screenshot shows a mobile application interface for reporting a whale sighting. At the top, there is a navigation bar with a back arrow, the 'ocean' logo, and a home icon. The main title is 'Whale Sighting'. Below the title, there are several sections of radio button options:

- Status:** 'Dead' (selected) and 'Alive'.
- Did you see blows?:** 'Yes' and 'No' (selected).
- Number of whales: (estimate)\*:** '1', '1-5' (selected), and '5+'.
- Length: (largest whale):** 'Medium 4-10m' (selected) and 'Large 10-25m'.
- Certainty of sighting:** 'Definite', 'Probable' (selected), and 'Possible'.
- Can you identify the species?:** 'Yes' (selected) and 'No'.

Below the options, there is a 'Species:' section with a text input field containing 'Fin Whale'. Underneath is an 'Addition information:' section with a text input field containing 'Appeared to be travelling NW at approx 3kn. Not feeding.'. At the bottom of the form is a blue 'Submit' button.

5. If required type in additional information, review the information that you have provided and click **Submit** to complete the sighting report.
6. When you click submit a confirmation message is displayed indicating that your report was submitted successfully, or that it will be submitted when your device is back online.

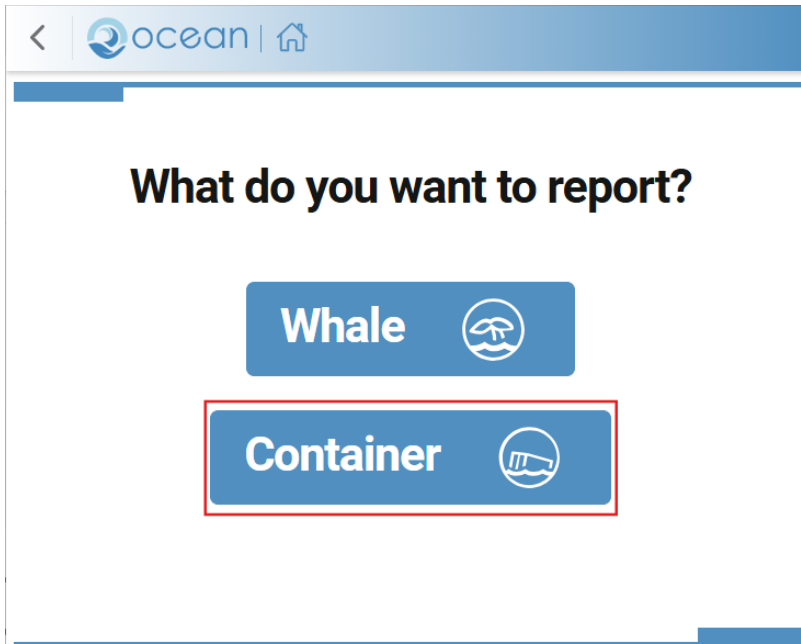
## REPORT A SHIPPING CONTAINER SIGHTING

1. In the Map View, click **Report**.



A report type selection page is displayed.

2. In the report type selection page, click **Container**:



A Container Sighting details page is displayed.

- In the Container Sighting details page, select the relevant options as they relate to your sighting, for example, the number of containers, their size, floating status and colour.

**Container Sighting**

**Number of Containers:**

1 1-5 More than 5

**Length of largest container:**

20ft 40-45ft

**Type:**

Refrigerated Standard Unknown

**Colour:**

Colour swatches: Red, Blue, Light Blue, Teal, Green, Pink, Red, Orange, Yellow, White, Grey

**Floating Status:**

Riding very low Semi-submerged Riding very high

**Any other info:**


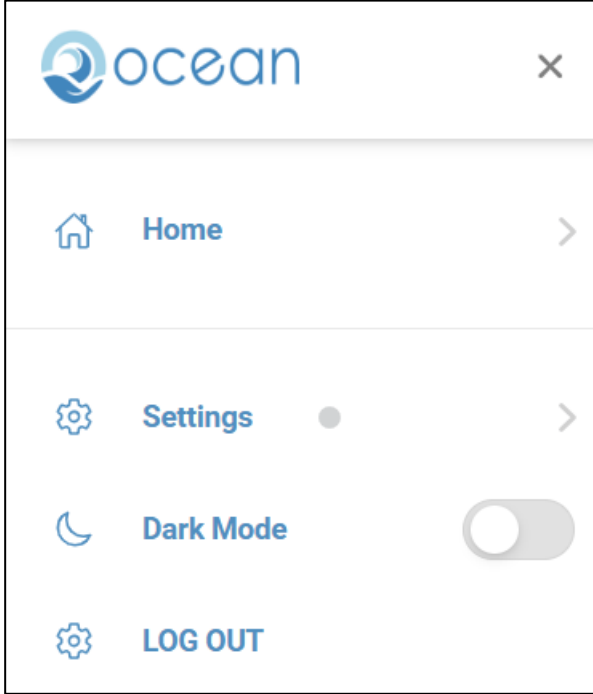

Red horizontal stripe visible near top of container...

Submit

- If required type in additional information, review the information that you have provided and click **Submit** to complete the sighting report.
- When you click submit a confirmation message is displayed indicating that your report was submitted successfully, or that it will be submitted when your device is back online.

## MAP VIEW FEATURES

The Map View, or home page, provides a number of navigation controls and functions, as follows:

Top Banner		
Menu button		User this button to display the app men.
Sync Information	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Last Update: 25/11, 23:36</div>	This field provides details of when the app last synched with the OCEAN central server.
App Menu		Click <b>Home</b> to return to the Map View.
		Click <b>Settings</b> to view the Settings page where you can customise your app.
		To avoid excessive glare, you can set the app to <b>Dark Mode</b> .
		Click <b>Log Out</b> to change user.
Zoom Icons	<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">+ -</div>	Use these icons to set the required zoom level.
Hazard Icons		
Zoom Icons	<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">+ -</div>	Use these icons to set the required zoom level.
Cross hairs icon		Use this icon to zoom to the default level and centre the Map View on your vessel's current position.

## SETTINGS PAGE

To access the Settings page, in the top banner, click the **Menu** (☰) button and click **Settings**.

The screenshot shows the 'Settings' page of the Ocean app. At the top, there is a menu icon (☰) and the 'ocean' logo with a home icon. Below this, the 'User Details' section is visible, containing the following information:

- User Details**
  - App Version v2.0.17
  - Full Name: A. N. Other
  - E-mail: testocean6@...
- Display Preferences**
  - Watch Sector Angle (0 - 359): 120
  - No. of Range Rings (3-8): 3

At the bottom of the settings area, there is a dark blue 'Save' button with a floppy disk icon.

In the Settings page, you view and/or edit the following details. Update the values as required and click **Save**.

User Details panel	
<b>App version vx.x.xx</b>	Information only – useful for support.
<b>Full Name</b>	Optionally provide a custom username.
<b>E-mail</b>	Information only – e-mail associated with installation
Display Preferences	
<b>Watch Sector Angle</b>	Default: 120°. This setting determines the size in degrees of your sector of interest centred on you current heading. Valid values are 0 - 359°
<b>No. of Range Rings</b>	Default is 3 rings. Valid values are 3 – 8 rings. Depending on this setting, graduated range rings are shown within your sector of interest providing a valuable visual aid in relation hazard proximity.

## TROUBLESHOOTING

1. Location Services must be enabled to Report a Sighting. A high degree of accuracy (within 100metres) is required to successfully report a sighting.

### Additional information:

Enter any additional information here

Lat: 52.63 | Lng: -9.60 | Accuracy: 19.40 m

Submit

**Note:** ios devices require extra permissions for both the browser (Safari) app and the device. Go to Settings > Privacy & Security > Location Services and turn on Location Services. Scroll down and click on Safari Websites and select 'While Using the App'.

2. The device that you are using, must have inbuilt GPS to receive an accurate location. If using the app on desktop, ensure that you have an external GPS device connected. Otherwise, the location accuracy may be too low to submit a report.
3. The app depends on being allowed to save information to your device to allow it to work offline. Ensure that the On-device site data is allowed for the ocean app site. This is only relevant for some phones and the setting may differ from device to device.
4. If you are not seeing reports, it may be that your connection is unstable and you will see a message to indicate this. Ensure that you have stable mobile data or Wi-Fi connectivity.
5. The app is designed to work offline, but you do need to ensure that you have registered and logged in, in the event of a connectivity loss. You will be able to report a hazard and once the connectivity is restored, the report will be submitted.
6. After the app has been upgraded, you should clear your browsing data to ensure that cached data is cleared and you are seeing the most to date pages. You can do this by selecting the Delete Browsing data from Chrome browsers and then refresh the page.