



## **Eye on the Reef- Citizen Science - Rapid Monitoring- Be a Marine Biologist for a Day Program.**

As a Reef Guardian School, we value your efforts in collecting valuable reef citizen science data not only for curriculum purposes but also for the implementation of the Reef Guardian School's five **C.L.A.S.=S.** pillars.

**Care-** Connect students to the reef, increasing their level of care.

**Learn-** How indicator species, benthic composition and other factors can be early warning signs of a reef.

**Act-** Contribute and enter vital reef information for the largest coral reef system in the world.

**Share-** Collective citizen data via the Eye on the Reef (EotR) Dashboard. The data is actively used by the Reef Authority in the management of the Great Barrier Reef Marine Park.

**Stewards-** Students learn lifelong skills in the reef environment and can continue to add data to the EotR Dashboard throughout their life.

**Please note if students visit the reef and can only complete components of the Rapid Monitoring survey slate, the data is still valid. We encourage students to enter any observations they can to ensure the primary data becomes citizen data by taking the time to enter into the EotR Dashboard.**

This guide has been specifically written for teachers and is designed to have all students enter the data simultaneously in a classroom environment at the same time.

**We appreciate your dedication** to collating primary reef data and uploading as citizen data. Your contributions play a vital role in understanding and safeguarding this remarkable world heritage reef ecosystem. Please consider including the data upload to the EotR Dashboard as a student assessment requirement to ensure citizen data completion.

## Rapid Monitoring Resources

We are committed to making Rapid Monitoring resources more accessible, inclusive, and comprehensive.

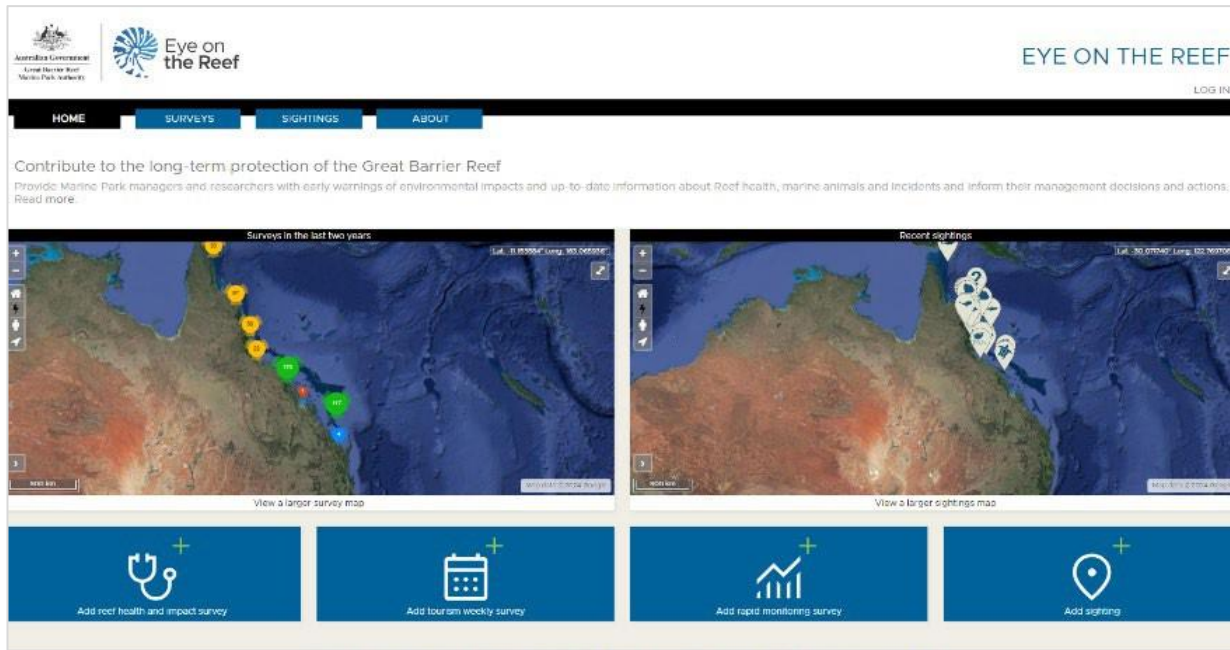
Currently, we offer the following resources to support the implementation of Rapid Monitoring survey techniques. Here are the resources below:

1. A class set of reusable underwater Rapid Monitoring slates. Please email [reefguardians@gbmpa.gov.au](mailto:reefguardians@gbmpa.gov.au) to obtain your free class set.
2. **Interactive PDF:** This resource explains the different components of the survey and can be accessed on the [Reef Guardian School portal](#).
3. **Teaching and Student lesson resources** on the [Reef Guardian School portal](#). Or use this link [Eye on the Reef Training Module](#)
4. **An online Tutorial and Practice** session of Rapid Monitoring with the Reef Guardian Education team. Please email [reefguardians@gbmpa.gov.au](mailto:reefguardians@gbmpa.gov.au) to make a booking. This can be done prior to excursion as a recap or full lessons. Post sessions to support data entry to the Eye on the Reef Dashboard is also available.
5. Virtual Reality Program used for training and educational purposes (Due Dec 2025).
6. We strongly encourage that students participate in several **pool snorkel practice** before open water excursions to the reef. We have a **list of skills** that students can practice to support their development in snorkeling ability and confidence. This list can be found on the [Reef Guardian School portal](#).
7. **Teacher Session:** We provide a fully funded two-hour teacher session to answer any questions and assist in creating an 8-10week unit plan for Rapid Monitoring and collating citizen data.

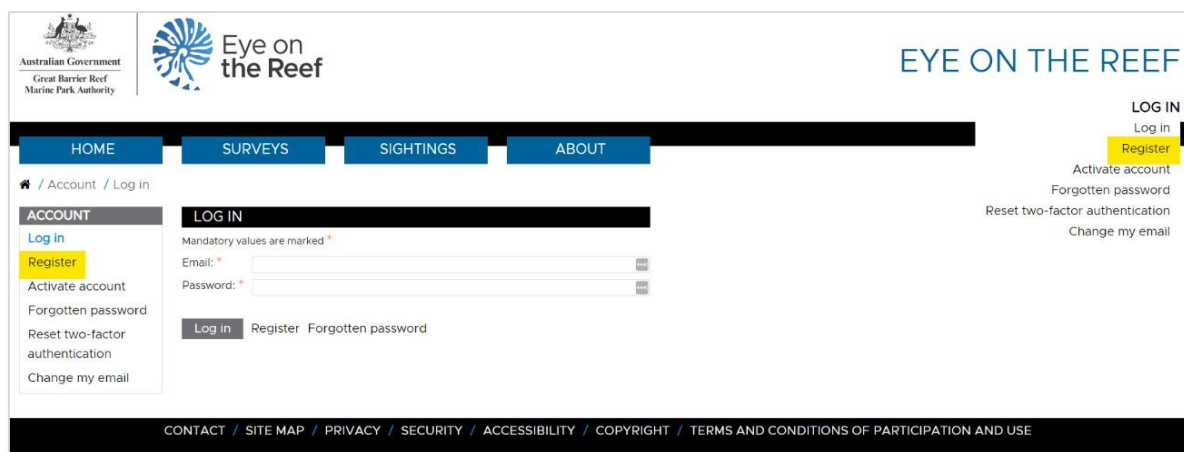
## Part 1. REGISTRATION INSTRUCTIONS- Eye on the Reef Portal

- a. Please log in using the link: [Eye on the Reef Portal](#).

This will bring you to the landing page as shown below.



- b. In the highlighted fields below, you will discover the register feature. To proceed, simply click on the LOG IN option (top right), and choose Register from the drop-down menu.



- c. To complete the registration, we need you to complete your School information for data collection purposes only. Please complete all fields marked with a \*. The phone/mobile number is optional and not required.

## REGISTER

Mandatory values are marked \*

After registering, you may edit your values at any time in your profile settings.

Given name: \*

Family name: \*

Display name: \*

Display name does not need to contain a name or email address.

Email: \*

Phone:

Mobile:

### Username and Email Address:

- Note students are not recommended to register to Eye on the Reef Dashboard or use their school email address if under the age of 18.
- **Given name**- Reef
- **Family Name**- High School
- **Display Name**: Reef High School
- **Email**- shared school email address recommended.
- Teachers are **recommended** to seek a **shared email account** from your school ITC eg marineRGS@gov.edu.au or adminRGS@gov.edu.au. This way if you leave the school, the account remains and is easily accessible by other teachers and future students. Also, it allows the school to track data over time. This email account now works similar to a high school science laboratory Risk Assess Application. Where teachers use a shared email admin and generic password to complete risk assessments and material lists for class experiments.
- Please note teachers can register the class/school using their work email however it is recommended to obtain a shared email address as the email you provide will serve as the Username for future logins and data entry by students. It will also be the address that activation/reset password/username emails will be sent to.
- If you can not obtain a shared email address to register the school/class to the Eye on the Reef Dashboard we do have a generic [reefguaridans@gbmpa.gov.au](mailto:reefguaridans@gbmpa.gov.au) account you are welcome to use. Please contact us using the above email if you would like to utilize this option and you can skip this registration section and head straight down to “Log in Instructions” - Part 3. Please note your school data can still be tracked if your school’s name is used as Organization name when students are entering in their data.

d. Please use your mouse to **drag and slide** the buttons below, alternatively click on the side of the Button *opposite* the white dot:

- **Eye on the Reef:** Slide it to **Yes**.
- **Sightings:** Slide it to **No**.

**Programs registering for:**  
**Eye on the Reef:** ☒ Yes  
**Sightings:** ☐ No  
**Options:**  
**Hide my name in Sightings:** ☐ No  

When Hide my name in Sightings is set to Yes, your Name will not be displayed with your publicly available Sightings.


Please note Sightings can be switch on if the school would like students to complete any sighting whilst on a reef trip outside of the timed swim transect.


e. Click the highlighted drop boxes to read **YES** to the following:


- **Privacy Collection Notice**
- **Terms and Conditions of Participation and Use**
- **Overseas Disclosure of Information**


To confirm your selection, please **slide the button** changing it to **Yes**


Click each of the following to read the text. You must read each item to enable its toggle switch, and acknowledge each item before you can register.


Click here to read Privacy collection notice 


I have read the Privacy collection notice: 


Click here to read Terms and conditions of participation and use 


I agree to the Terms and conditions of participation and use: 

I consent to personal information being included on the contacts database and being contacted in the future by the Authority and Queensland Parks and Wildlife Service: 

I consent to my personal information being provided to the Queensland Parks and Wildlife Service in the form of statistical data that may identify me personally: 

Click here to read Overseas disclosure of information 

I consent to the Overseas disclosure of information: 




Upon successful registration, the below email will be sent to the email used to register the class/school:

“Thank you for registering! Please allow up to **24 to 48 hours** to receive a confirmation email from [eyeonthereef@gbrmpa.gov.au](mailto:eyeonthereef@gbrmpa.gov.au).

*Feel free to explore the wonders of the reef while you await your confirmation!*

Thank you for your registration.

Your request will be reviewed and a message will be sent to the provided email address notifying you of the result. If the registration is approved, you will need to activate your account at that time, if you have not already done so.



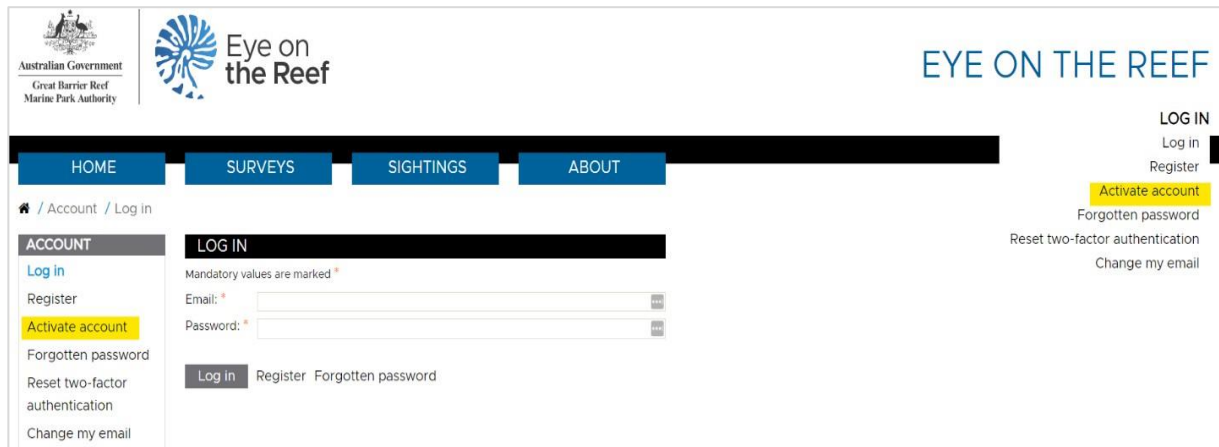
If you encounter any difficulties, please go back to ensure that you have completed all the steps correctly. If you need further assistance, feel free to reach out to [reefguardians@gbrmpa.gov.au](mailto:reefguardians@gbrmpa.gov.au) .



## PART 2. ACTIVATE REGISTERED ACCOUNT INSTRUCTIONS

Once you receive the *confirmation email*, please proceed to the **Eye on the Reef Portal** by clicking on the link: [Eye on the Reef Portal](#).

After clicking “**Activate Account**,” you will be prompted to enter your email address. Subsequently, you will receive another email containing a **verification code**.

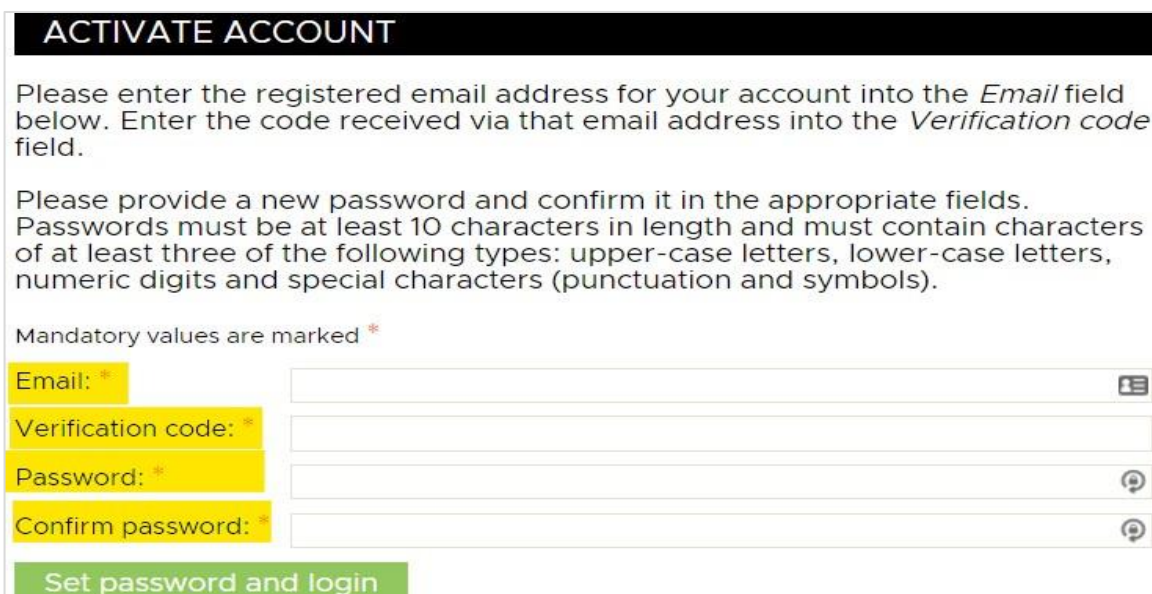


The screenshot shows the 'Eye on the Reef' portal interface. At the top, there are logos for the Australian Government and the Great Barrier Reef Marine Park Authority, alongside the 'Eye on the Reef' logo. A navigation bar contains links for HOME, SURVEYS, SIGHTINGS, and ABOUT. On the right, a 'LOG IN' section includes links for Log in, Register, and a highlighted 'Activate account' link. Below the navigation bar, the 'ACCOUNT' section is visible, with a 'LOG IN' sub-section. This section contains fields for 'Email' and 'Password', both marked as mandatory. There are also links for 'Log in', 'Register', and 'Forgotten password'.

To complete the activation process, follow these steps:

- i. **Email:** Enter the email address made at registration.
- ii. **Verification Code:** Input the verification code you received via email.
- iii. **Create a Password:** Set a generic school password e.g. Reefhighschool#20XX. Students will use this password to enter in their data and teachers/schools can update the password each year, or as frequent as required.

***Once you have done this, your activation will be complete!***



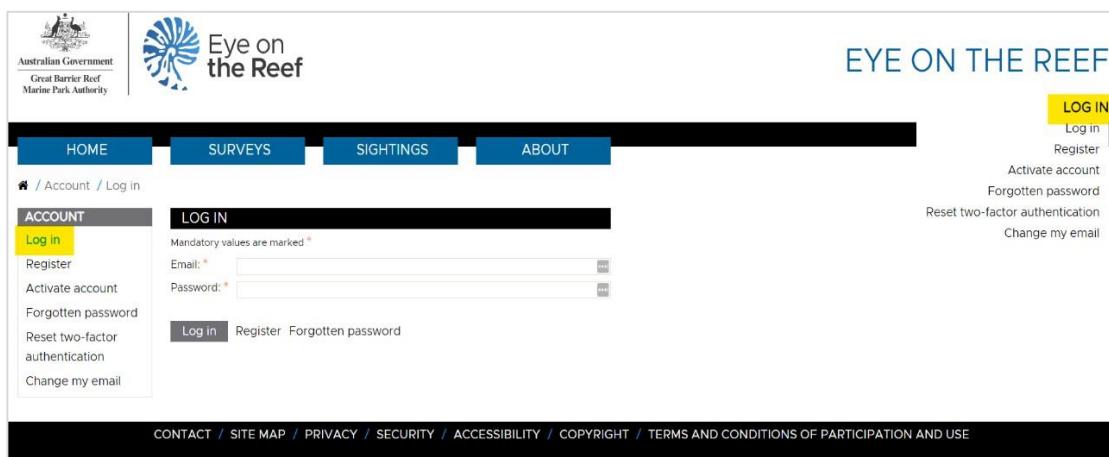
The screenshot shows the 'ACTIVATE ACCOUNT' form. It begins with instructions: 'Please enter the registered email address for your account into the *Email* field below. Enter the code received via that email address into the *Verification code* field.' This is followed by another instruction: 'Please provide a new password and confirm it in the appropriate fields. Passwords must be at least 10 characters in length and must contain characters of at least three of the following types: upper-case letters, lower-case letters, numeric digits and special characters (punctuation and symbols).' Below these instructions, there is a note: 'Mandatory values are marked \*'. The form contains four input fields: 'Email: \*', 'Verification code: \*', 'Password: \*', and 'Confirm password: \*'. Each field has a small icon to its right. At the bottom of the form is a green button labeled 'Set password and login'.

## Part 3. LOG IN AND UPLOAD DATA INSTRUCTIONS SURVEY

Please note **students** can all log in below following the steps simultaneously. Data can be entered in by each student at the same time and in one class setting.

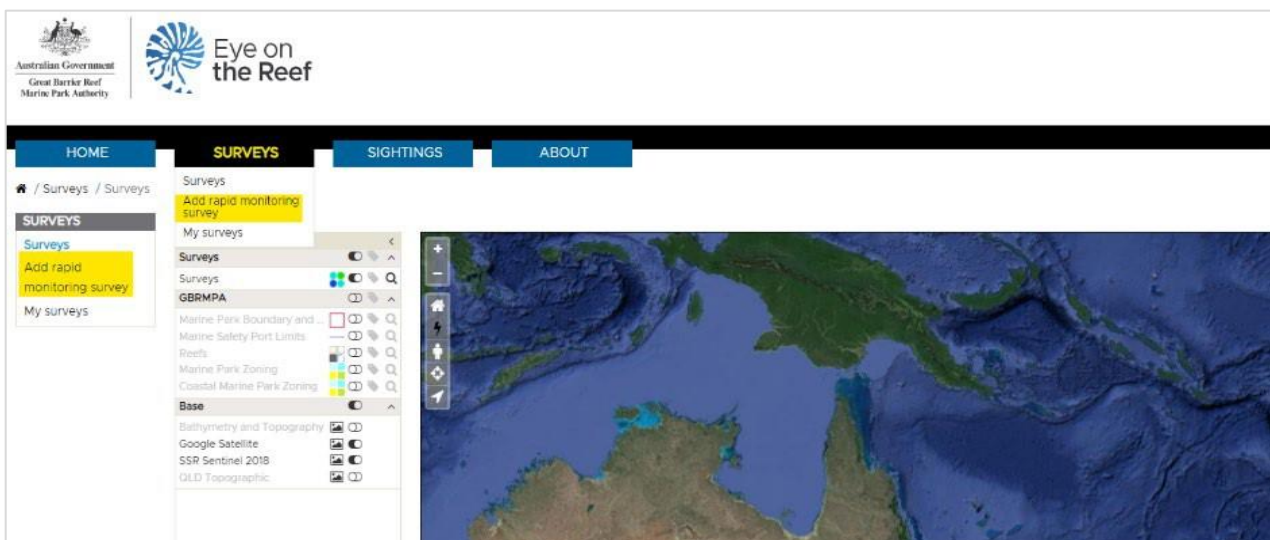
It is recommended that the teacher share their screen and digitally complete the below process as a whole class with teacher interactive board as a guide.

1. Have students to the **Eye on the Reef Portal** by emailing them the following link: [Eye on the Reef Portal](https://eotr.gbrmpa.gov.au/). or write the URL on the board  
<https://eotr.gbrmpa.gov.au/>



The screenshot shows the 'Eye on the Reef' login page. At the top, there are logos for the Australian Government and Great Barrier Reef Marine Park Authority, and the 'Eye on the Reef' logo. The main navigation bar includes 'HOME', 'SURVEYS', 'SIGHTINGS', and 'ABOUT'. On the right, there is a 'LOG IN' button and a list of links: 'Log in', 'Register', 'Activate account', 'Forgotten password', 'Reset two-factor authentication', and 'Change my email'. The left sidebar has an 'ACCOUNT' section with links: 'Log in', 'Register', 'Activate account', 'Forgotten password', 'Reset two-factor authentication', and 'Change my email'. The main content area is titled 'LOG IN' and contains a form with fields for 'Email' and 'Password', both marked as mandatory. Below the form are buttons for 'Log in', 'Register', and 'Forgotten password'. At the bottom, there is a footer with links: 'CONTACT', 'SITE MAP', 'PRIVACY', 'SECURITY', 'ACCESSIBILITY', 'COPYRIGHT', and 'TERMS AND CONDITIONS OF PARTICIPATION AND USE'.

2. They will land at the Home page (shown below). Click on the **LOG IN** button, and ask them to enter in the email and password with information you provide.
3. Upload data from a completed Rapid Monitoring Survey:
  - a. Click on the blue **Survey** bar. A dropdown box will appear, select **"Add Rapid Monitoring Survey"** from the options.
  - b. Or, you can use the survey shortcut box on the far left (highlighted yellow).





4. You will then see the form below. Complete the “Add Rapid Monitoring Survey” form. Ensure you fill in the required fields marked with an asterisk (\*).

**ADD RAPID MONITORING SURVEY**

Mandatory values are marked \*

Observer: \*

Email: \*

Phone:

Organisation:

Vessel:

Survey time: \*

Observer category:

Observer (other):

Survey experience:



Reef visit count:

Swim type: \*

Survey type:

Approved: \* ☐ No ☒ Yes

Active: \* ☐ No ☒ Yes

  **EYE ON THE REEF**  
WELCOME REEF GUARDIAN SCHOOLS

[HOME](#) [SURVEYS](#) [SIGHTINGS](#) [REPORTS](#) [ABOUT](#)

[Surveys](#) / [Add rapid monitoring survey](#)

**SURVEYS**

- Surveys
- [Add rapid monitoring survey](#)
- My surveys
- Approved surveys

**ADD RAPID MONITORING SURVEY**

Mandatory values are marked \*

Observer: \*

Email: \*

Phone:

Organisation:

Vessel:

Survey time: \*

Observer category:

Observer (other):

Survey experience:

Reef visit count:

Swim type: \*

Survey type:

Approved: \* ☒ Yes ☐ No

Active: \* ☒ Yes ☐ No

- Observer:** Enter Student name.
- Email Address:**
  - Students enter in the email address info you supplied at log in.
- Organization:** Enter in School name
- Vessel and Phone:** number are optional
- Survey Time:** Enter in date survey was conducted.
- Observer category and Survey Experience:** optional or choose from drop down menu.

- vii. **Observer (other):** Optional or students if working in a team can enter team members name.
- viii. **Reef Visit Count:** Optional and recommend to leave blank.
- ix. **Swim Type:** Choose from drop down menu
- x. **Survey Type:** Enter in **Rapid**
- xi. **Approved Button:** (See red circle above)
  - b. Leave it as **‘No.’**
- iii. **Active Button:**
  - f. Leave it as **‘Yes’**.
- g. Wait for students to complete as a class and then Continue to Location Section as a group.

## Location

**Reef Name:** Enter the name of the reef you visited.

- I) Latitude: This represents the north-south position.
- II) Longitude: This indicates the east-west position.

Remember to complete all required fields marked with an asterisk (\*). Waif for class to complete and then move onto the next section.



### Flood Plume and Algal Bloom:

- I) To change the status of the **Flood Plume**, slide the button.
- II) Similarly, adjust the status of the **Algal Bloom** using the sliding technique.

*Remember if unsure please leave blank*















| Site conditions         |                          |
|-------------------------|--------------------------|
| Survey depth (m):       | ###.#                    |
| Water temperature (°C): | ###.#                    |
| Flood plume:            | <input type="checkbox"/> |
| Tide:                   | <div></div>              |
| Visibility:             | <div></div>              |
| Algal bloom:            | <input type="checkbox"/> |

Guide student through entering in your answers and have them copy it down. Move on as a group to the next section when everyone is ready.

### Timed Swim:

During the **Timed Swim**, snorkelers swim for 10 mins while tallying the number of each indicator species observed along the way. Let us proceed to record your observations:

- I) Record the number of each species that you observed during your ten-minute swim. Change the numbers using the plus and minus buttons- Ensure all boxes are complete with positive numbers and or Zeros.
- II) If you encounter an “other” species of turtle or shark, use the feature (highlighted) and click on the species you observed.

| Timed swim  |  |  |   |   |
|---|--|--|---|---|
| Add other turtle ^   Add other shark v  |  |  |   |   |
| <div>Loggerhead Turtle</div> <div>Leatherback Turtle</div> <div>Flatback Turtle</div> <div>Olive Ridley Turtle</div>  | <div>Giant Clam</div> <div></div> <div>Count: <input type="text"/></div>        | <div>Anemonefishes</div> <div></div> <div>Count: <input type="text"/></div>       | <div>Butterflyfish</div> <div></div> <div>Count: <input type="text"/></div>          | <div>Grazing Herbivores</div> <div></div> <div>Count: <input type="text"/></div>       |
| <div>Trout, Cod, Soapfish (Other)</div> <div></div> <div>Count: <input type="text"/></div> | <div>Maori Wrasse Male</div> <div></div> <div>Count: <input type="text"/></div> | <div>Maori Wrasse Female</div> <div></div> <div>Count: <input type="text"/></div> | <div>Coral Trout &lt; 38 cm</div> <div></div> <div>Count: <input type="text"/></div> | <div>Coral Trout &gt; 38 cm</div> <div></div> <div>Count: <input type="text"/></div>   |
| <div>Green Turtle</div> <div></div> <div>Count: <input type="text"/></div>                 | <div>Hawksbill Turtle</div> <div></div> <div>Count: <input type="text"/></div>  | <div>Whitetip Reef Shark</div> <div></div> <div>Count: <input type="text"/></div> | <div>Blacktip Reef Shark</div> <div></div> <div>Count: <input type="text"/></div>    | <div>Crown-of-thorns Starfish</div> <div></div> <div>Count: <input type="text"/></div> |

Once students have entered in all boxes move onto the Benthos section, only if you completed this survey and collated data on the excursion to the reef. If the Benthos was not completed, please leave blank and move onto the next section that you may have recorded data as a class on.

## Benthos

When completing the **Benthos** section, keep the following in mind:

- I) You need a total of **100 %** for your observations.
- II) **Do not use decimals.** If you encounter a decimal value (e.g., 13.5), round it off to the nearest whole number (e.g., 14).

| Benthos               |                                  |
|-----------------------|----------------------------------|
| Enter the % found of: |                                  |
| Macroalgae:           | <input type="text" value="50"/>  |
| Live Coral:           | <input type="text" value="40"/>  |
| Recently Dead Coral:  | <input type="text" value="0"/>   |
| Live Coral Rock:      | <input type="text" value="10"/>  |
| Coral Rubble:         | <input type="text" value="0"/>   |
| Sand:                 | <input type="text" value="0"/>   |
| Total:                | <input type="text" value="100"/> |

## Coral Impacts: (Only complete if students obtained data)

If any of the following questions have been marked 'yes,' the system will automatically take you to the next question.

The final question, 'What is the likely main cause?', will provide a dropdown box for you to select from.

| Coral impacts  |                                     |
|--|-------------------------------------|
| Is any coral white?  | <input type="checkbox"/>            |
| Is living coral tissue present? If yes Bleaching                                       | <input type="checkbox"/>            |
| Is coral being eaten? If yes Predation   | <input type="checkbox"/>            |
| COTS Juveniles (size of hand or smaller) count:  | <input type="text"/>                |
| COTS adults (larger than hand) count:  | <input type="text"/>                |
| Drupella count:  | <input type="text"/>                |
| Is coral banded in appearance? If yes Disease  | <input checked="" type="checkbox"/> |
| Is coral competing with something else? If yes Competition                             | <input checked="" type="checkbox"/> |
| Is any coral broken or damaged:  | <input checked="" type="checkbox"/> |
| What is the likely main cause:   | <input type="text"/>                |
| Up Top Collapse  |                                     |
| Rubbish  |                                     |
| Media  |                                     |
| Maximum size: 100MB File formats: GIF, JPEG, JPG, PJPEG, PNG, M4V, MOV, MP4, OGG, WEBM |                                     |

- 0 - None
- A - Anchor
- D - Divers
- S - Snorkellers
- W - Weather/Storm
- V - Vessel
- C - Animal
- X - Other
- U - Unknown

### Rubbish Identification:

- I) Please describe the type of rubbish students observed (e.g. plastic bottles, fishing nets, food packaging).
- II) Indicate the quantity of each type of rubbish you encountered.

Rubbish

Present ☒ Yes ☐ No ^

Enter the number of pieces found of:

Fishing Line:

0

Plastic:

1

Netting:

4

Rope:

2

Other:

3

Media

File

Maximum size: 100MB File formats: GIF, JPEG, JPG, PJPEG, PNG, M4V, MOV, MP4, OGG, WEBM

### Image Upload (Optional):

- I) If you have images, you can upload them directly to the website. Click on the “File” option and select the image from your device.
- II) In this section, you can utilise the ‘File’ button to upload any images related to your observations. Additionally, provide details about the impact you have encountered or witnessed. Feel free to include any other relevant information you would like to add.

*Your contributions play a crucial role in safeguarding our Reef.*

Media

File

Maximum size: 100MB File formats: GIF, JPEG, JPG, PJPEG, PNG, M4V, MOV, MP4, OGG, WEBM

Up Top Collapse

Impact details

How much leaching, predation, disease, damage? Other impacts?

Up Top Collapse

Additional information

Mating, spawning, behaviour, etc.

Up Top Collapse

Please read the **collection notice** and then use the sliding technique to indicate that you acknowledge the terms and conditions.

Media

File

Maximum size: 100MB File formats: GIF, JPEG, JPG, PJPEG, PNG, M4V, MOV, MP4, OGG, WEBM

Up Top Collapse

Impact details

How much leaching, predation, disease, damage? Other impacts?

Up Top Collapse

Additional information

Mating, spawning, behaviour, etc.

Up Top Collapse

acknowledge the collection notice ☐ Yes ☐ No [View collection notice](#)

Save

Collection Notice

Please take a moment to review the [Terms and Conditions](#). Your personal information is being collected by the Great Barrier Reef Marine Park Authority (Reef Authority) for the purpose of verifying your identity, attributing your authorship of any of your materials that we publish, and to contact you if we need to discuss the material that you submit to us. If you consent to being included in our contacts database, the Reef Authority or the Queensland Parks and Wildlife Service (QPWS) may contact you in the future about issues relating to the Marine Park. Your personal information may be used to produce statistical data that may identify you personally for the purpose of developing a better understanding of the range of users of the Marine Park that assist in marine monitoring and, if you consent, this statistical information may be provided to QPWS. We will only use and disclose your personal information for these purposes and will not otherwise disclose it without your consent, except where we are required to do so by an Australian law, a court/tribunal order or in accordance with the Privacy Act 1988. For further details, please refer to our full [Privacy Collection Notice](#). For further information on our privacy policy and complaint procedure please read our Privacy Policy at <http://www.gbrmpa.gov.au/home/privacy>.

When you click Save

1. Your sighting/survey will be uploaded to the Reef Authority's website.
2. Sightings can be accessed by anybody around the world, and those people may not be subject to the Privacy Act.
3. Your Name will be uploaded with your sighting and will appear on the public Sightings Map unless, prior to submitting your sighting, you optout of publishing your Name in your profile settings.
4. You acknowledge that you have obtained consent to collect and use personal information from third parties (or the person's legal guardian where the person is aged under 18 years) including but not limited to photographs, voice and video recordings of other people, other people's names, contact details or affiliations.

Close

Once done, you can close and to **save** your information.



Your information has been successfully saved. To view your survey, simply hit the **‘View Survey’** button. It is recommended that as a part of the student assessment that data is uploaded to contribute as citizen data. It is recommended that students take a screen shot of their data upload for their assignment.



Alternatively, you can go to the main menu and use the following highlighted selections below to view your surveys.

