



## Classroom Activities - Review the data

Review the questions that you brainstormed during your introductory session and reflect on your predictions. Here are some ideas to investigate before your next data collection session.

1. **Biodiversity** – How many different animals and plants did you find? How many were species you had never seen before? Did you find more or less species than expected? (Compare with the list from your introductory session.)
2. **Native or Pest** - How many of the species found are only found in NZ waters (endemic), found in NZ and other locations (native), or introduced into NZ waters from other location (introduced)?
3. **Pest Study** - There are a few prominent marine invasives here in New Zealand. Did you find any marine pests in your area? Investigate what animals and plants have been introduced into NZ waters and why they are described as pests. See: <https://marinebiosecurity.org.nz/what-are-marine-pests/>

View the NZ Marine Biosecurity Porthole to find out what other pests have been found near your study site:

<https://www.marinebiosecurity.org.nz/marine-pest-by-location-map-instructions/>

Choose a marine pest and do a profile of it using this template:

<https://mm2.net.nz/resource/marine-pest-profile-template/>.

See the video: <https://mm2.net.nz/resource/help-kina-fight-marine-pests/>

4. **Share your stories** – Students can write stories about their trip to the shore. It would be great if some of these stories can be sent through to Sally Carson (sally.carson@otago.ac.nz) as we would love to put these on the communities stories section of Mm2 website: <https://mm2.net.nz/case-studies/>.
5. **Graph your data** – Graph out you're the aspects of your data that interest you the most. These could be made into posters summarizing what was found on the shore. These posters could compare the bar and pie graphs, which is better for displaying the data? Highlight fascinating facts, wonderings and next steps. Has your research question changed now that you have collected some initial data? Information about graphing data and an example poster can be found here: <https://mailchi.mp/mm2/graphs-a-picture-says-a-1000-words>
6. **Critique your data** – Do you think there was any problems with the data you collected? If you want to confirm your identification you can post photos on the inaturalist web site – and experts will review your identification ([www.inaturalist.nz](http://www.inaturalist.nz)). How could students improve their data collection for your next shore visit? Tips for using the Mm2 methodology can be found here: <https://mailchi.mp/mm2/mm2-newsletter-june-5-2020> and here: <https://mailchi.mp/mm2/tips-and-tricks-for-data-entry-on-mm2>

**NEXT STEPS:** Plan a second field trip to the same shoreline and repeat your Mm2 survey. See <https://mm2.net.nz/> for support and further resources.

