



AUSTRALIAN MARINE DEBRIS INITIATIVE



Tangaroa Blue Foundation
www.tangaroablue.org

Our mission is to reduce marine debris in our oceans
But if all we do is clean-up, that's all we'll ever do!



www.tangaroablue.org



AUSTRALIAN
MARINE DEBRIS INITIATIVE



The Solution? The Australian Marine Debris Initiative



Beach & river clean-ups



Sorting debris

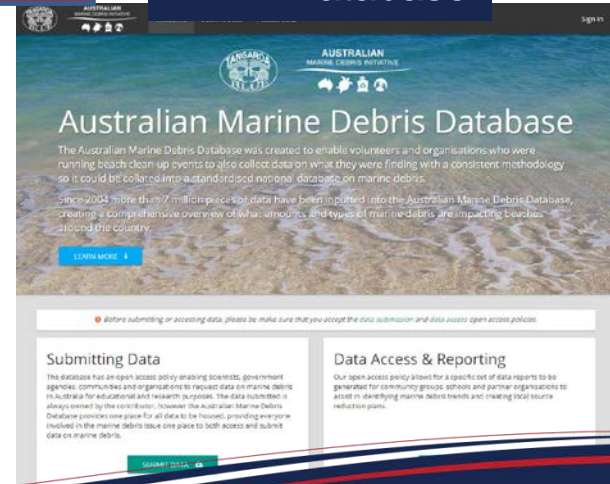


Data collection

Source Reduction Plans

Track to the source

AMDI Database



AMDI Statistics – 2004 - 2018



2700 clean-up locations



200 Source Reduction Plans implemented



1,000 partners – community, government and industry



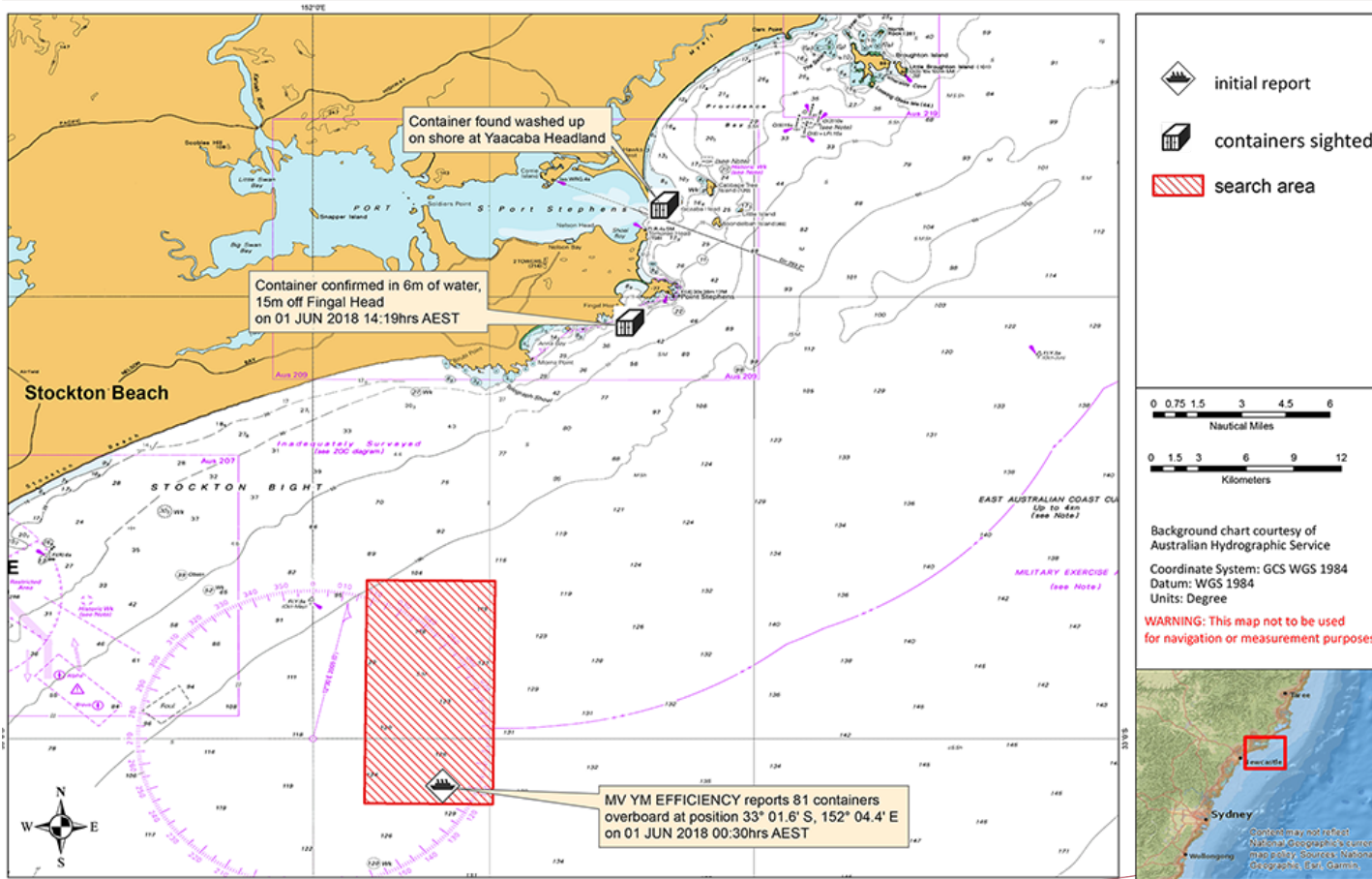
115,000 volunteers



11 million items of data

81 shipping containers lost 1st June – NSW, Australia

MV YM EFFICIENCY - sunken containers search area
as at 19 June 2018 17:00 (AEST)



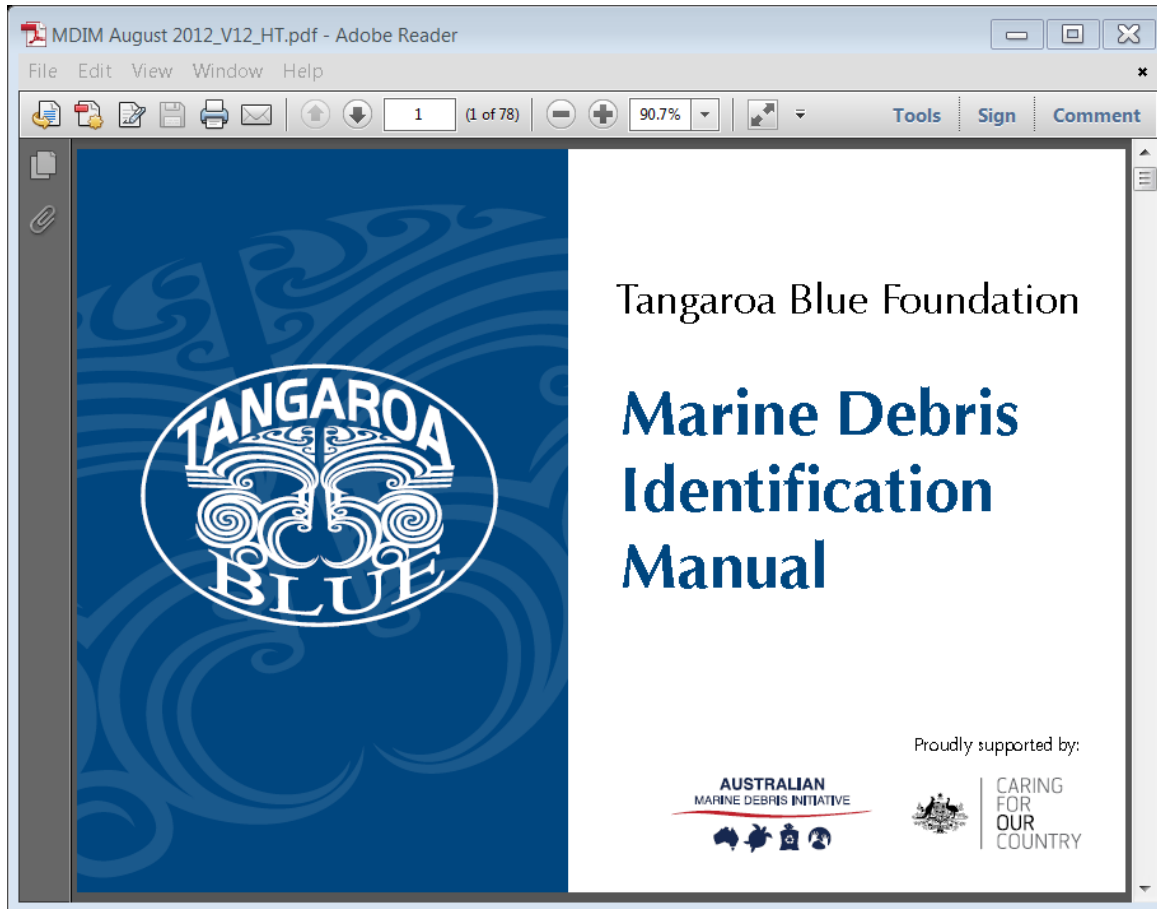
Shipping Container Debris on NSW Central Coast



Shipping Container Debris



Resources



Marine Debris Identification Manual

1. How To Sections
2. All categories shown with photos and examples
3. Can download from www.tangaroablue.org

AMDI App

**IF ALL WE DO IS
CLEAN-UP
THAT IS ALL WE
WILL EVER DO!**

**DATA PROVIDES
EVIDENCE
THAT CREATES
CHANGE**

**SHORELINE
DATA COLLECTION** | **APP**

The graphic features a smartphone displaying the app interface, set against a background of ocean waves and a sandy beach.

Search

Australian Marine Debris Initiative

GET IT ON
Google Play

Available on the
App Store

AUSTRALIAN
MARINE DEBRIS INITIATIVE

TANGAROA
BLUE

Icons representing Australia, a turtle, a recycling symbol, and a person cleaning up.

Australian Government
Great Barrier Reef
Marine Park Authority

NSW
GOVERNMENT | Local Land
Services
Hunter

Southern Region
Waste Program

NSW
EPA

Unitywater
Serving you today,
investing in tomorrow.

NACC
Managing Natural Resources

QWaLC
QUEENSLAND WATER & LAND CARERS

Sunshine Coast
COUNCIL



Australian Marine Debris Initiative App - Introduction



Welcome

Thank you for contributing your clean-up data to the Australian Marine Debris Initiative Database. Data is vital in understanding the types and amounts of marine debris and litter that are impacting our environment, and provides the evidence needed to create solutions that stops marine debris and litter at the source.



NEXT



Tell us about your Clean-up

Use a mobile device to identify your marine debris clean-up. Tell us who, where and what you have collected so that we can help make a positive difference to the research and policies around marine debris.



PREVIOUS

NEXT



Data Agreement

Your data submitted to the Australian Marine Debris Initiative Database is always owned by you, but by contributing data you acknowledge that it will be used for education, research and source reduction projects.



PREVIOUS

NEXT

Don't show start up introduction again



Data Collection Tools

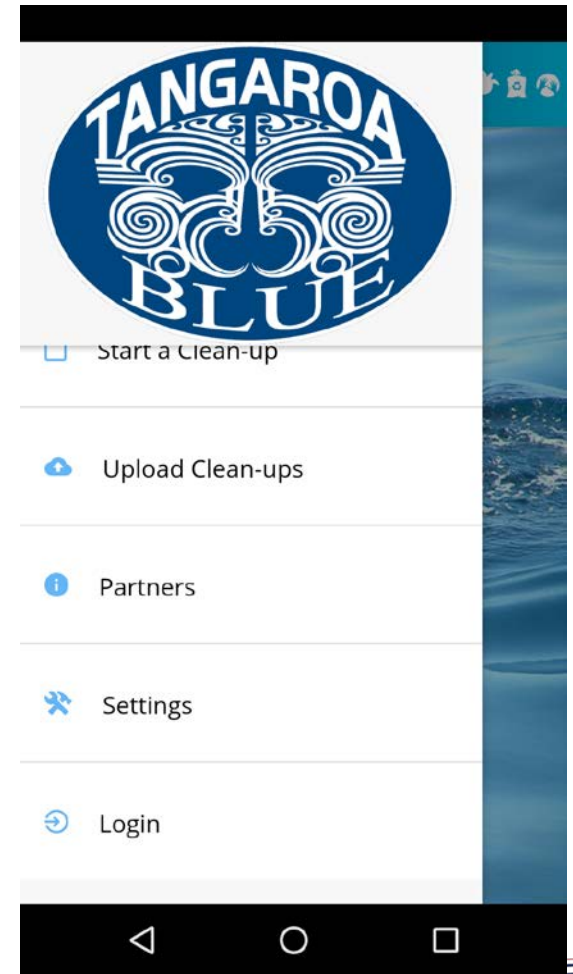
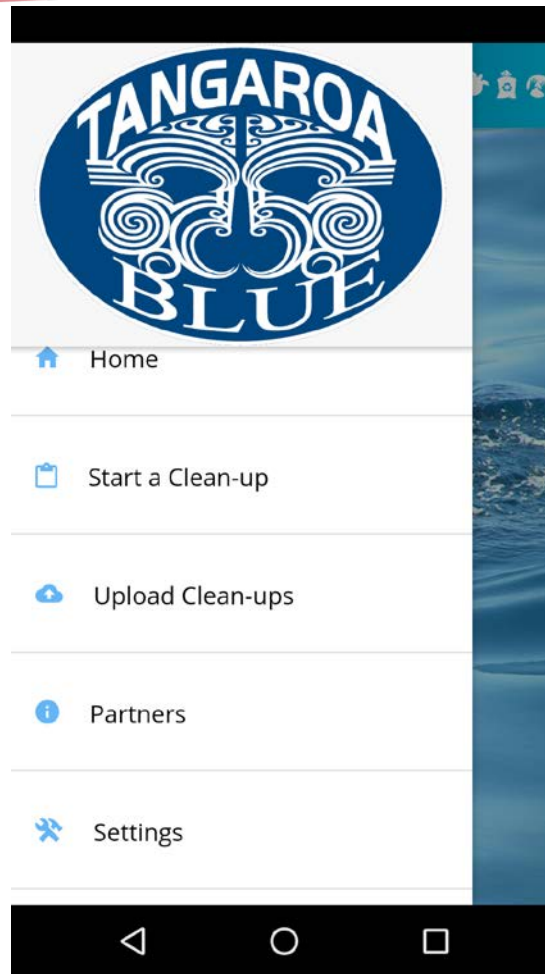
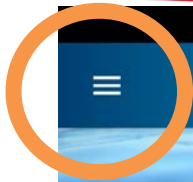
For more information on the Australian Marine Debris Initiative Database, please visit www.tangaroablue.org where you can access tools and resources to help you with your clean-up and data collection activities.



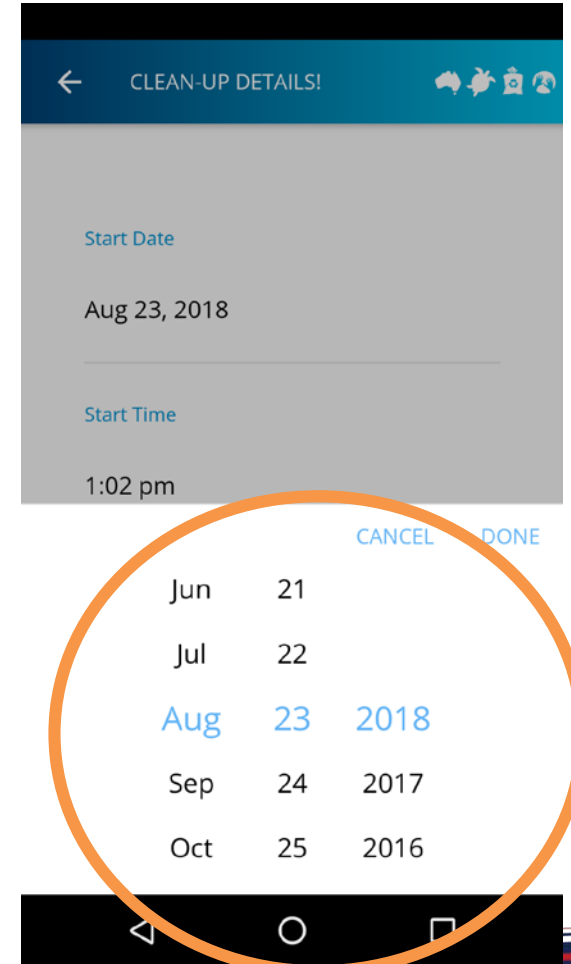
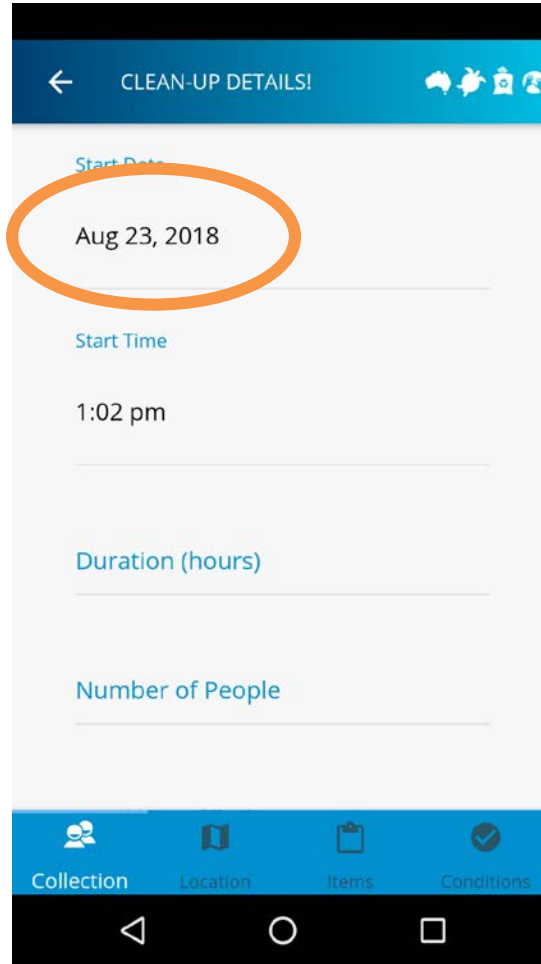
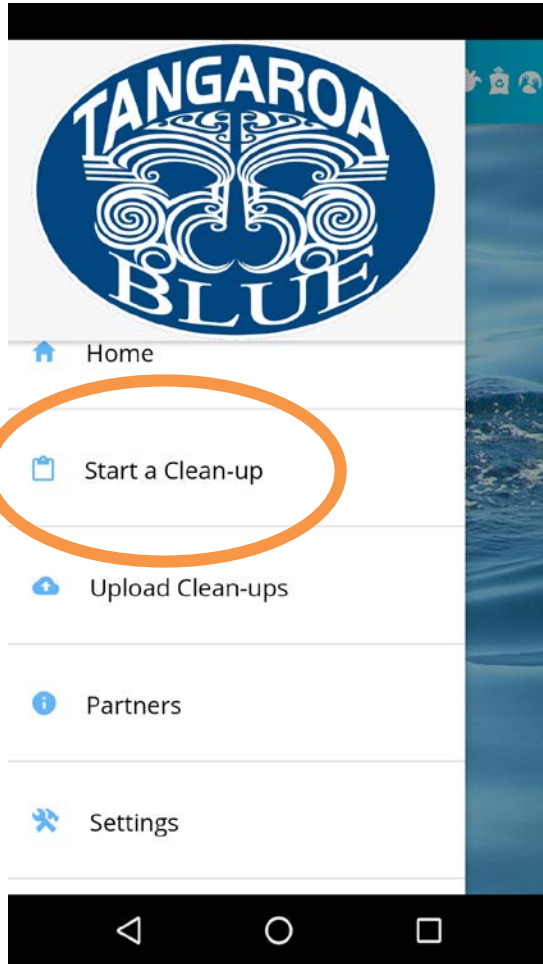
PREVIOUS

FINISH

Home Page & Menu



Collection Information Page



Collection Information Page

← CLEAN-UP DETAILS! 🇺🇸 🗺️ 📁 🕒

Total bags filled

Approx total weight (kgs)

Length (m)

Organisation(s)

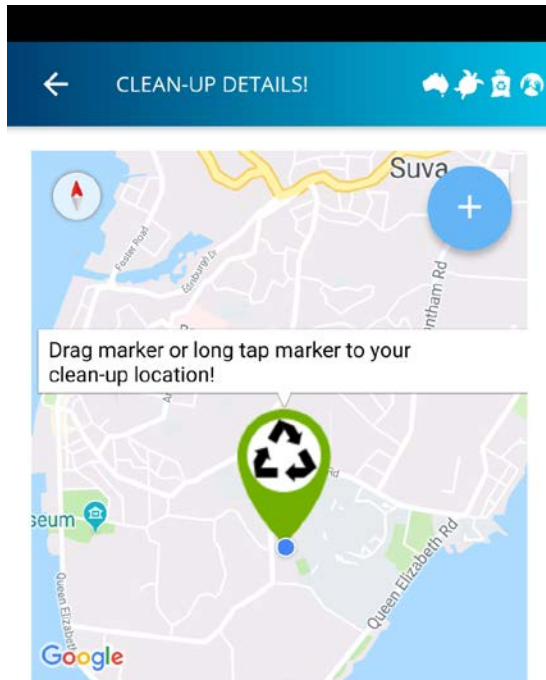
NEXT →

Collection Location Items Conditions

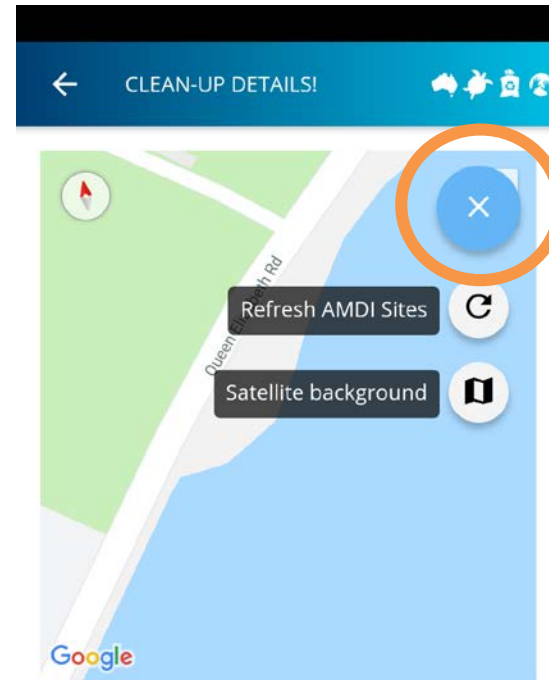
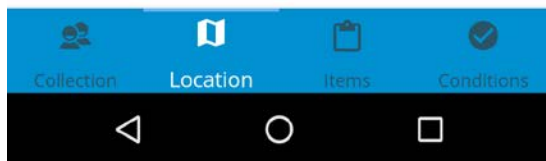
Hints:

- Hours can be part hours e.g. 1.5
- Number of people needs to be a whole number
- A standard clean-up bag – 56 litres
- Weight can be done with fish scales or estimated in kilograms
- Length can be measured with a tape or on Google Earth
- Organisations can include schools, councils, NGOs etc. – separate them with a comma e.g. Suva School, Suva Council

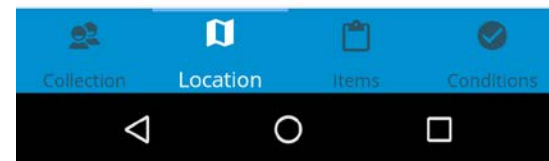
Location – turn location on in your phone



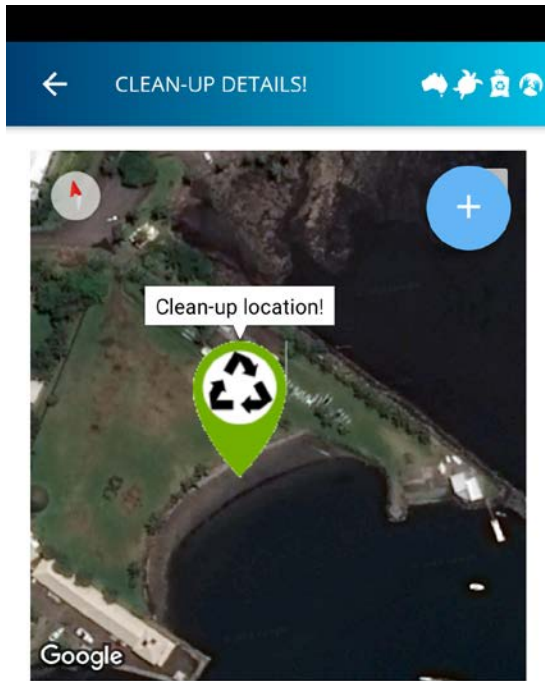
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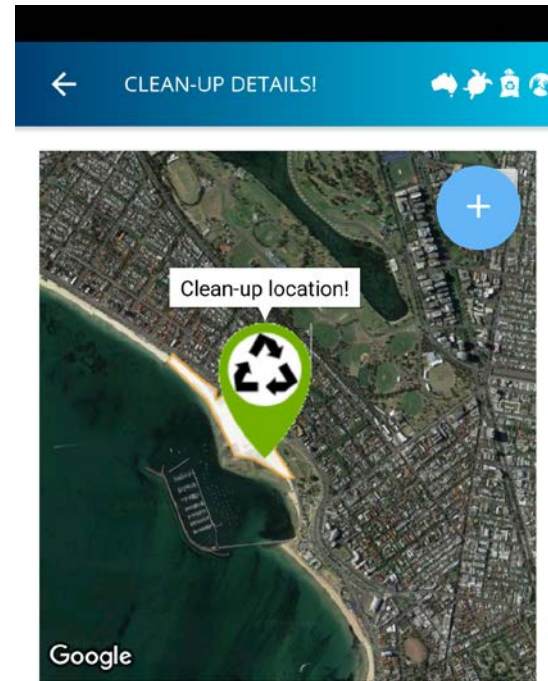
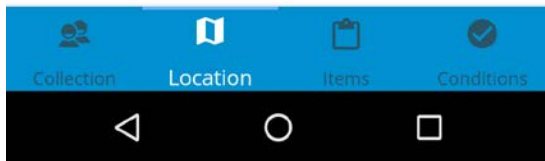
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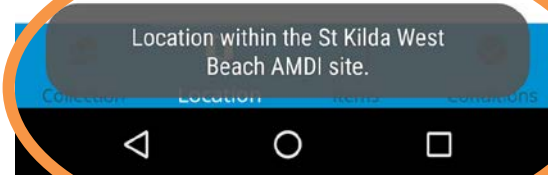
Location



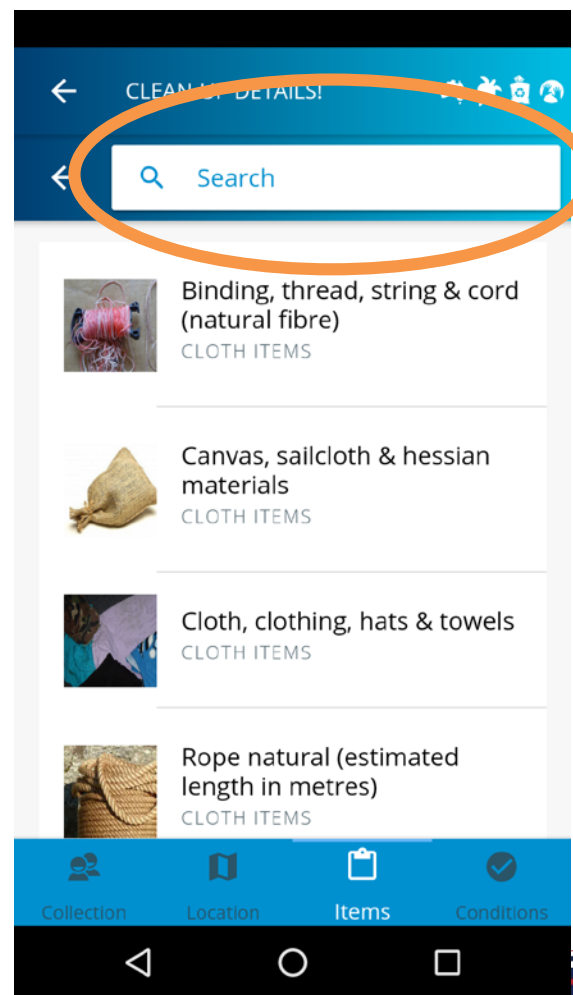
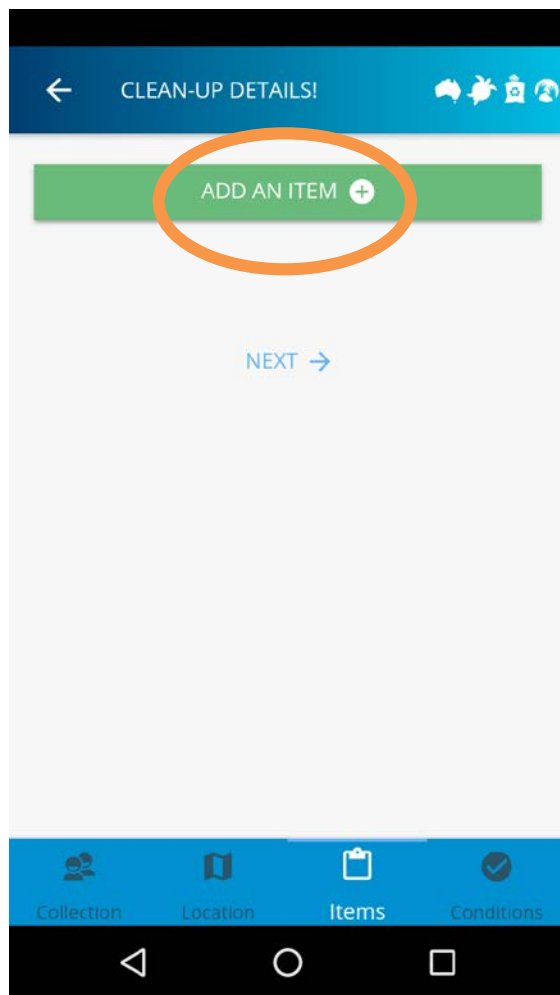
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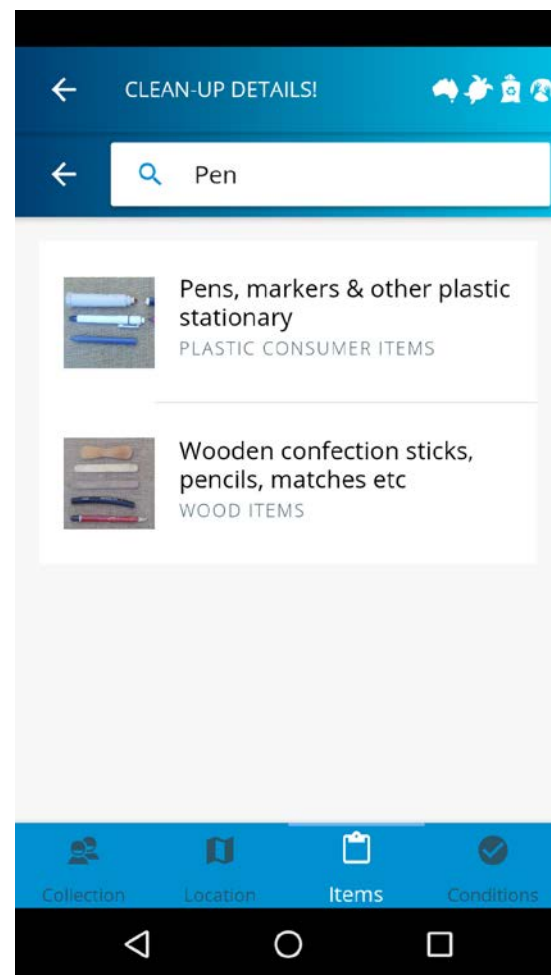
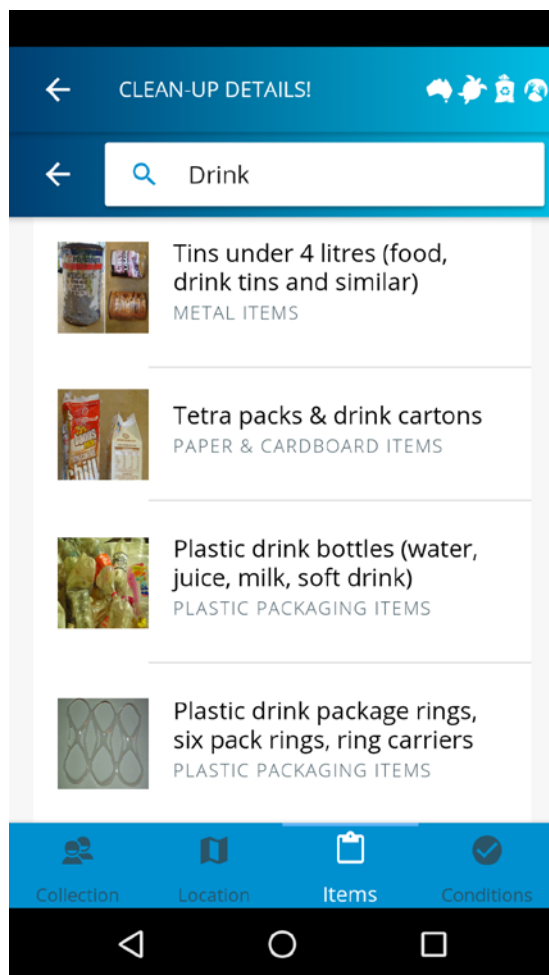
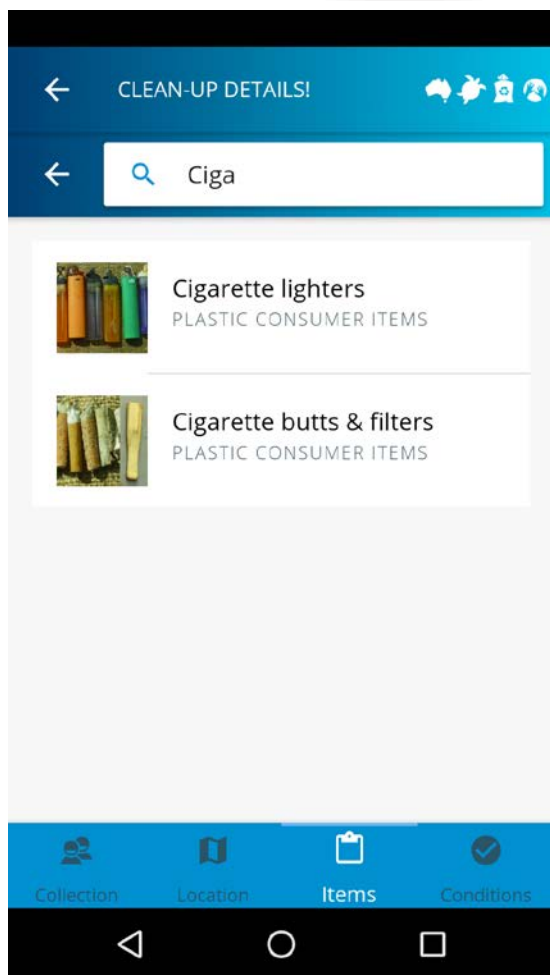
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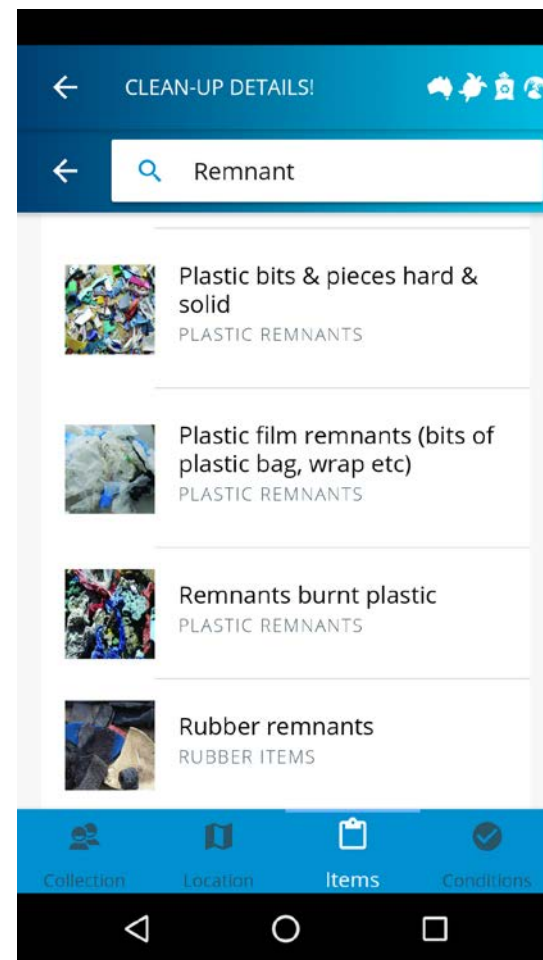
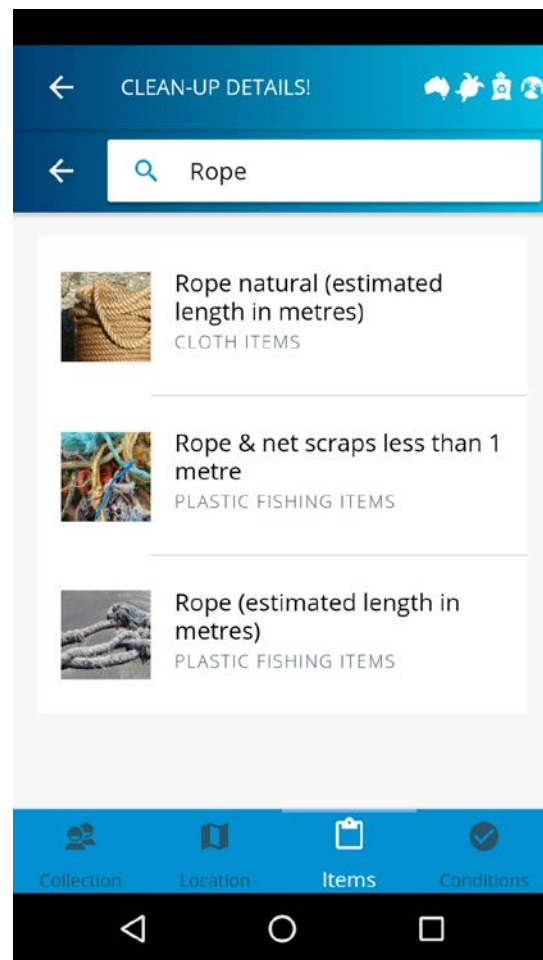
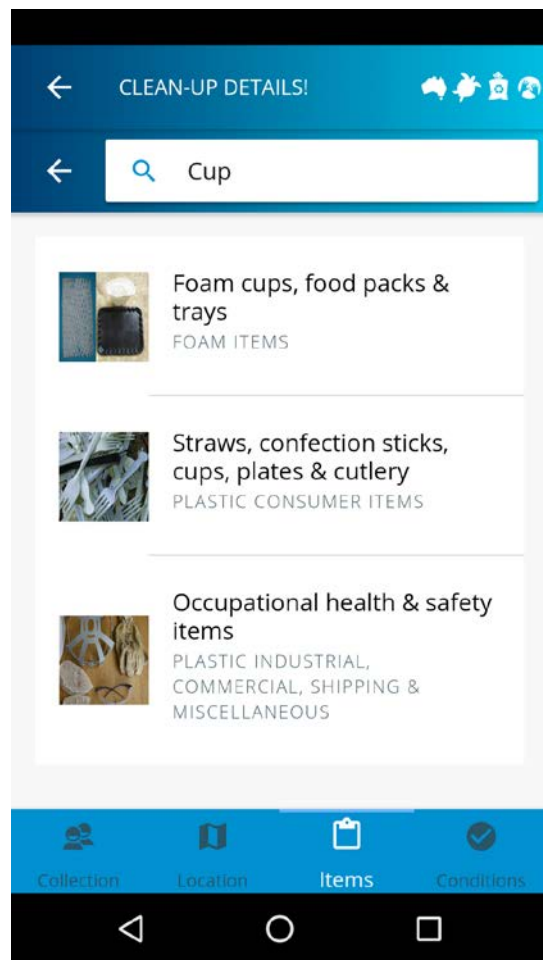
Items – finding the right category



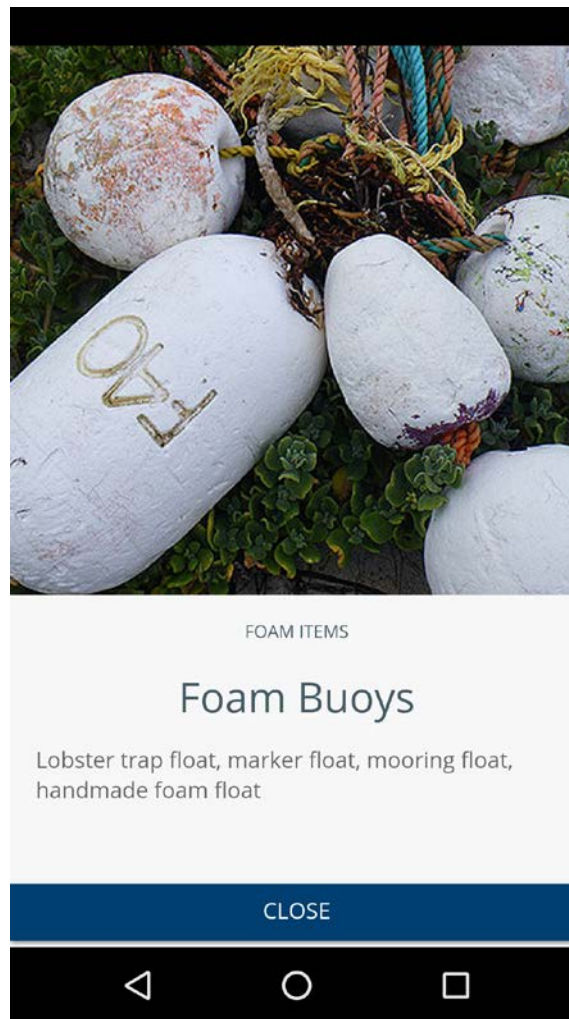
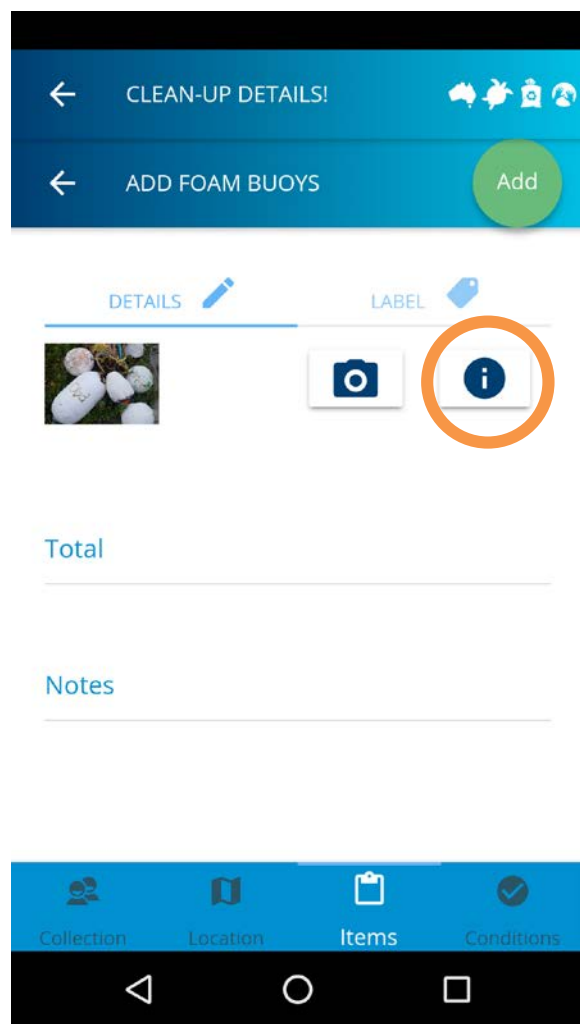
Items – finding the right category



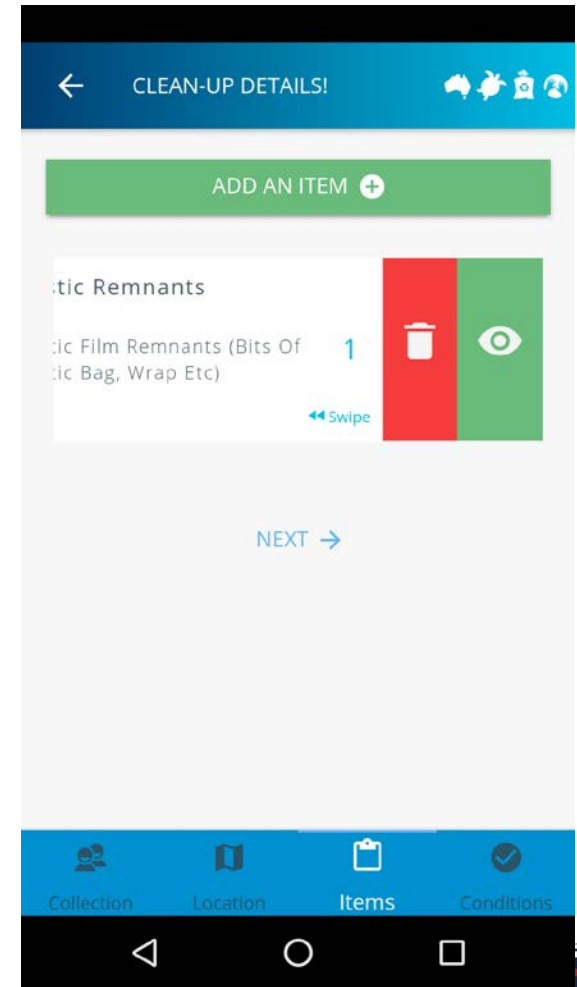
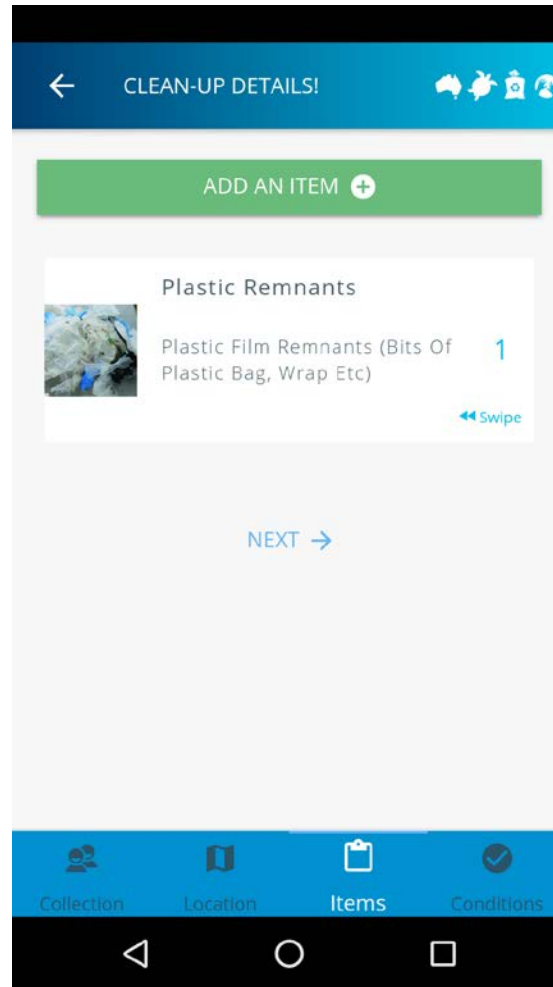
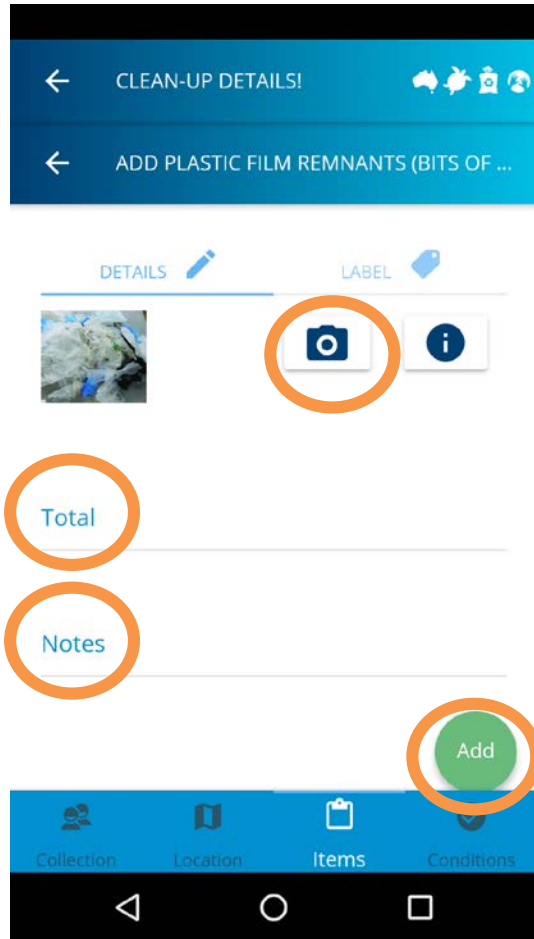
Items – finding the right category



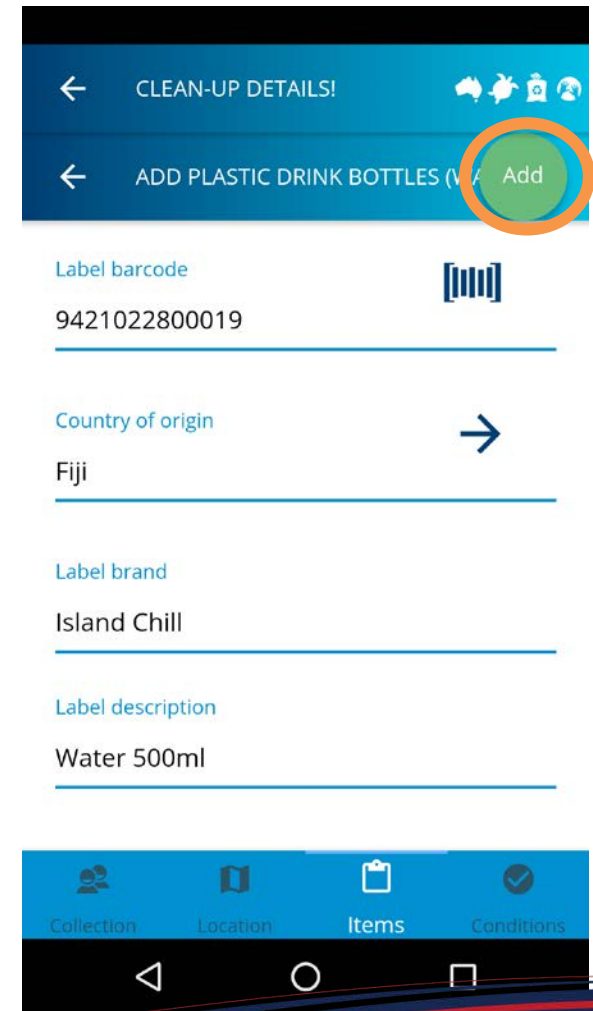
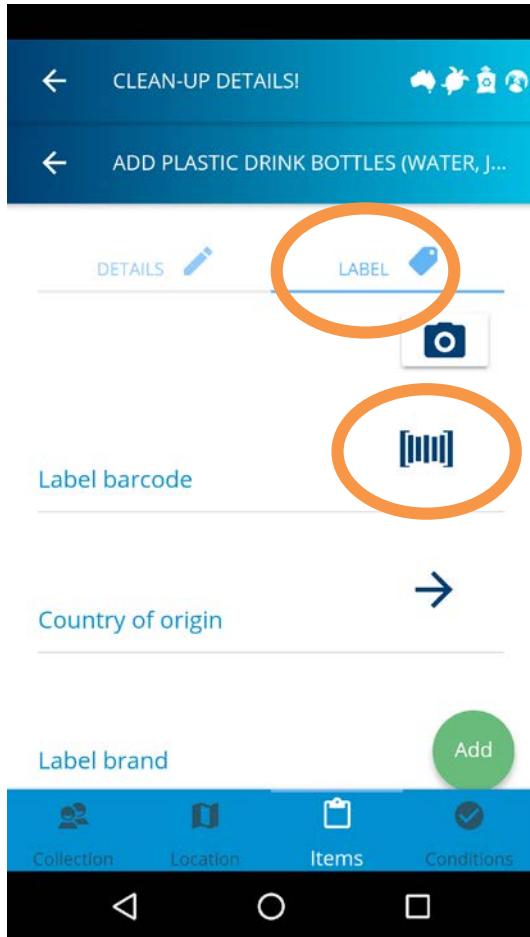
Items – not sure if you have the right category?



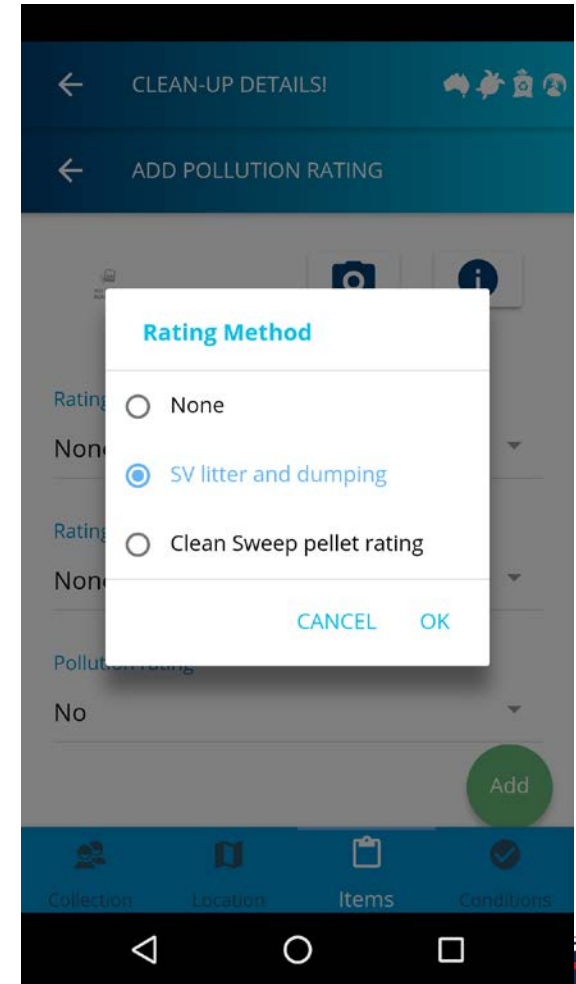
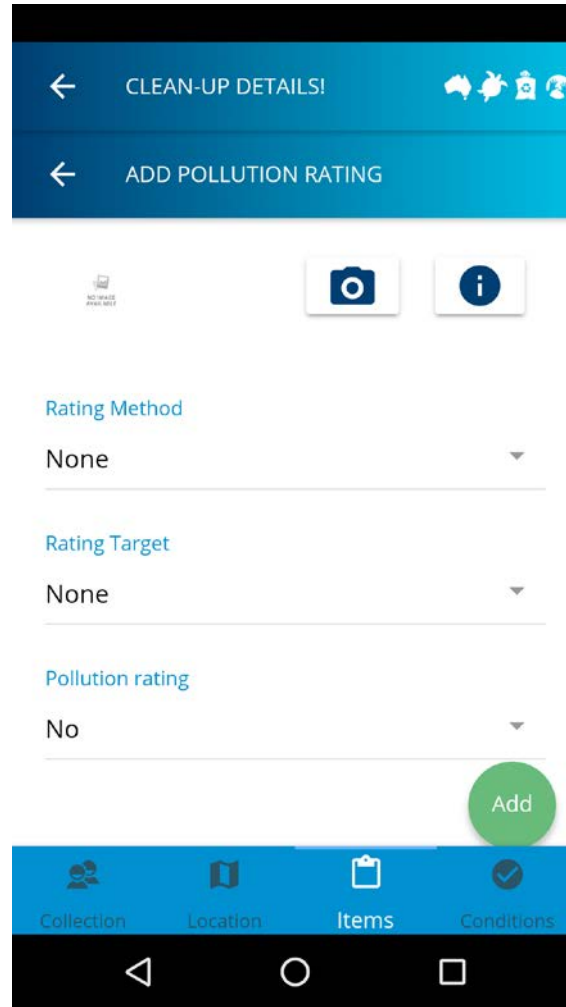
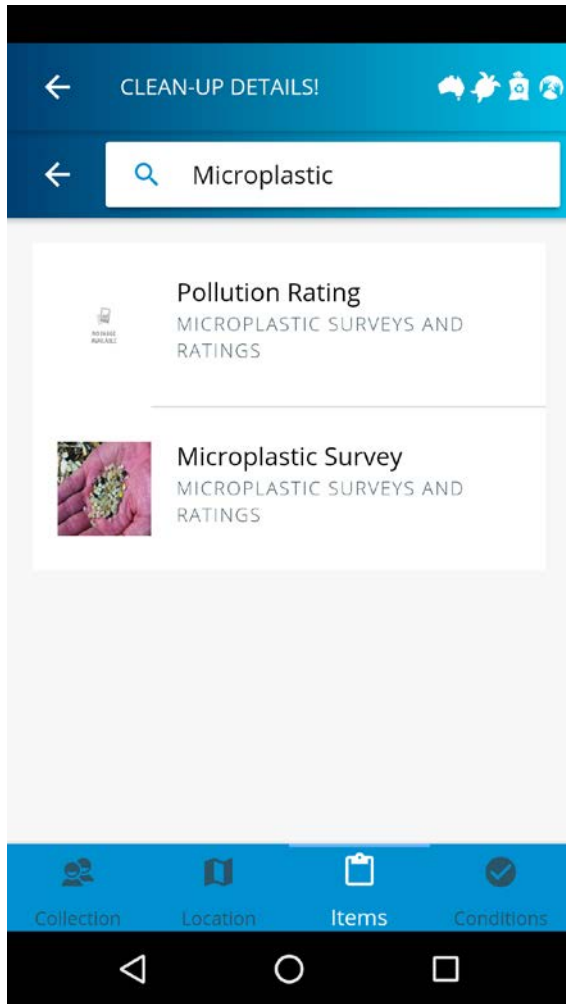
Recording data – item information



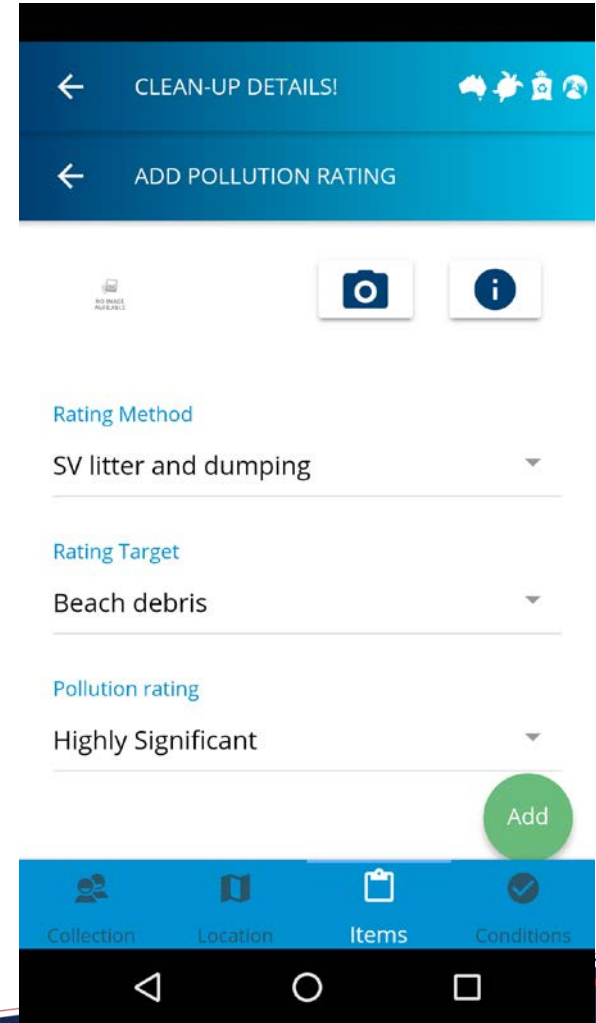
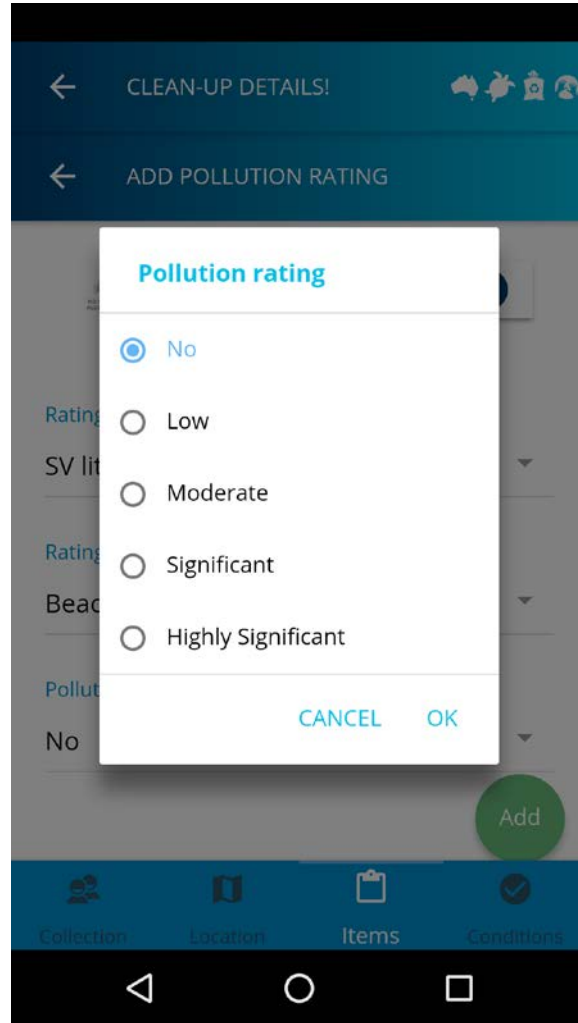
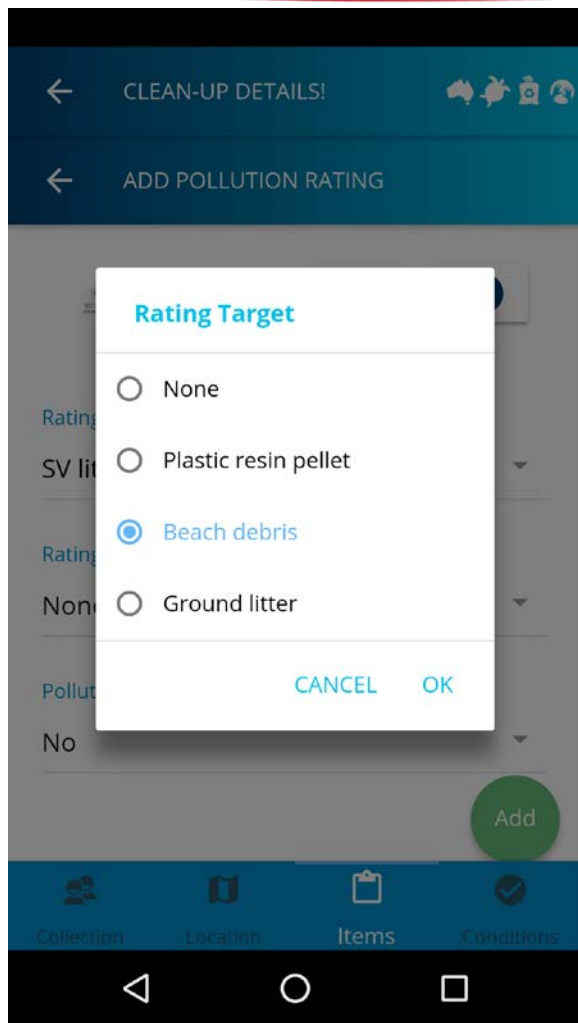
Recording data – country of origin & brand information







Pollution Rating






Pollution Rating



Microplastic Data

← CLEAN-UP DETAILS!    


← ADD MICROPLASTIC SURVEY





  

Project name





Quadrat name


Quadrant Dimensions (mm)



Collection Location Items Conditions



← CLEAN-UP DETAILS!    

← ADD MICROPLASTIC SURVEY 





Sample Depth (mm)

Number of Cores


Core Diameter (mm)

Sample Results  

0

Collection Location Items Conditions

MICROPLASTICS SAMPLE RESULT 

Survey Method

None

Survey Target


None

Colour

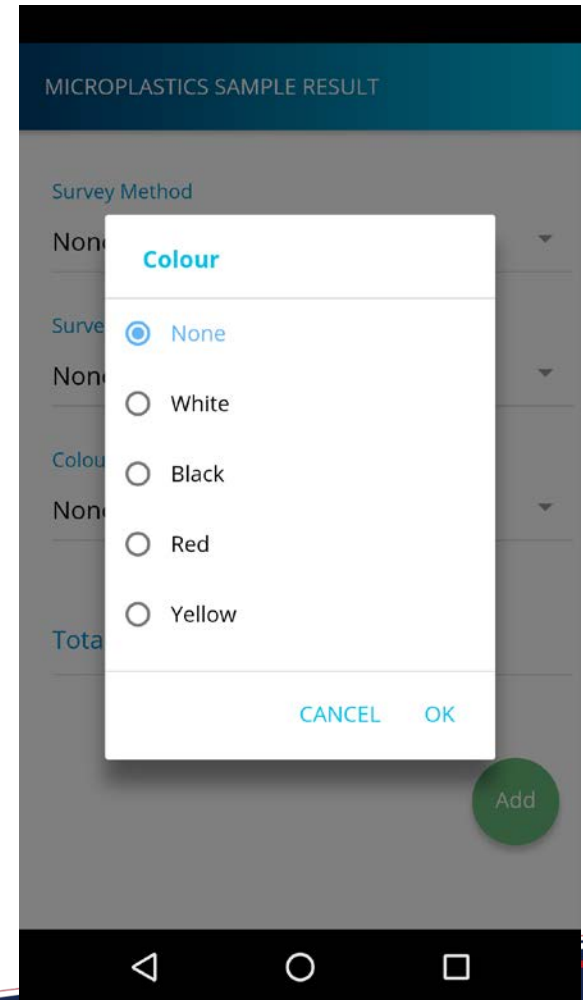
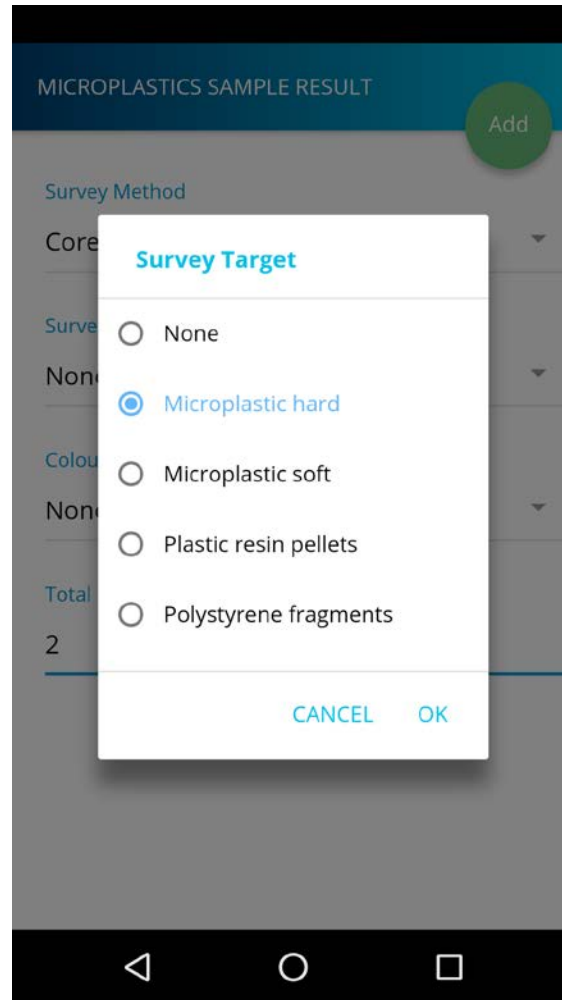
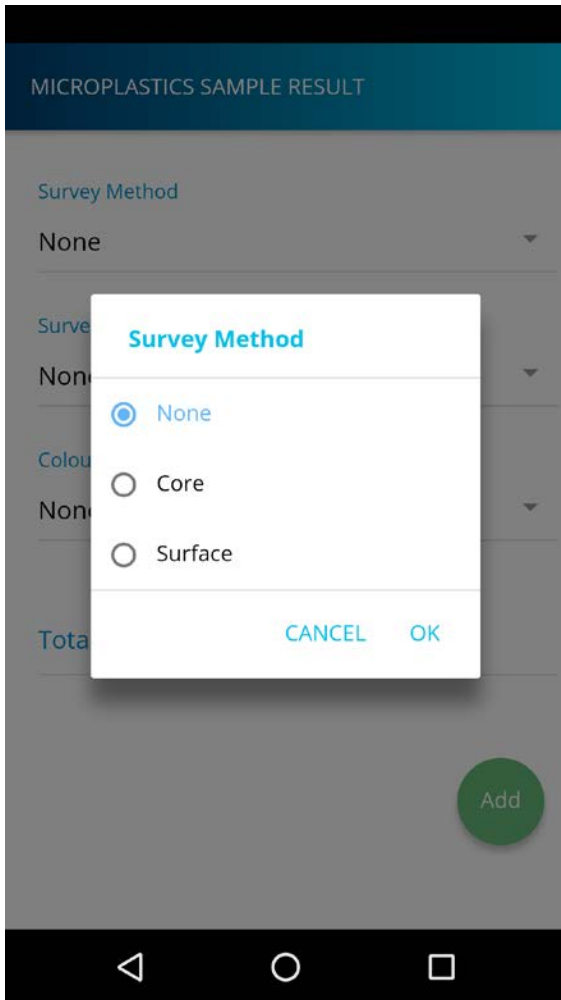
None

Total Particles

25



Microplastic Data



Microplastic Data

MICROPLASTICS SAMPLE RESULT Add

Survey Method
Surface

Survey Target
Microplastic hard

Colour
Black

Total Particles
25

CLEAN-UP DETAILS!

ADD AN ITEM +

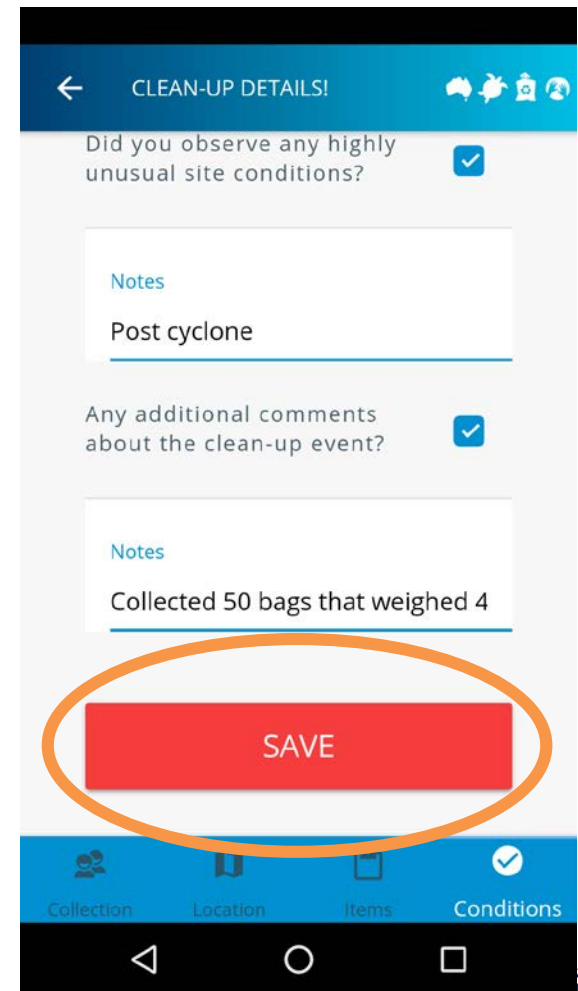
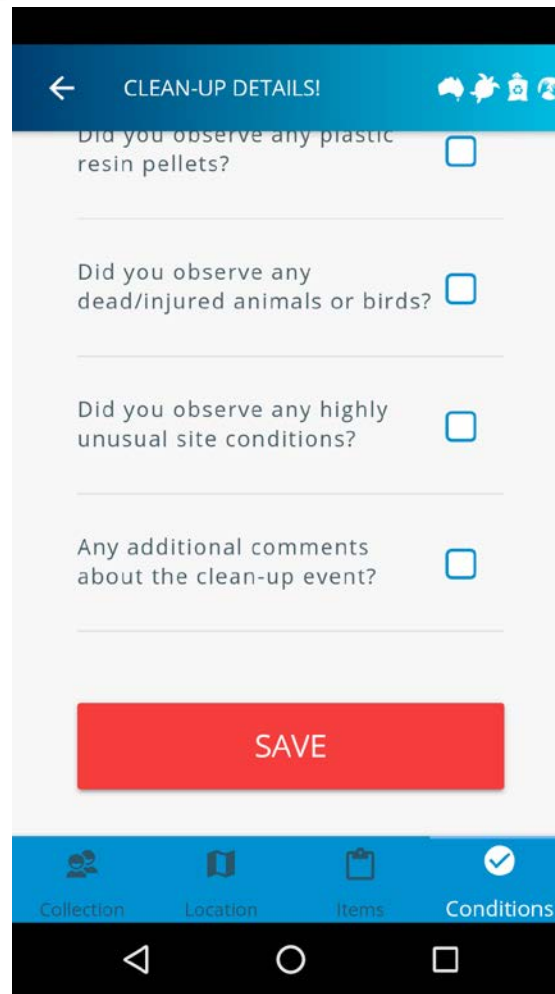
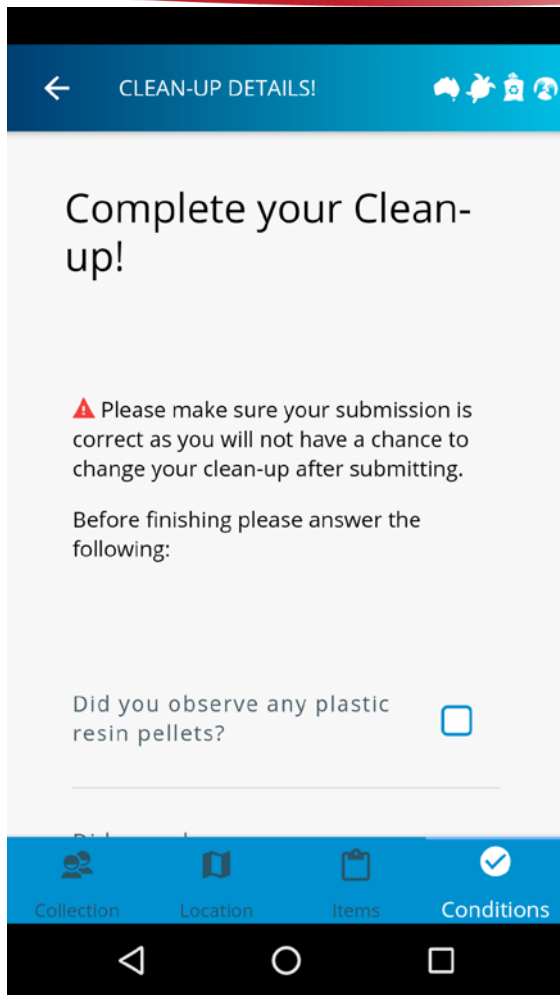
Microplastic Surveys and Ratings
Microplastic Survey

Swipe

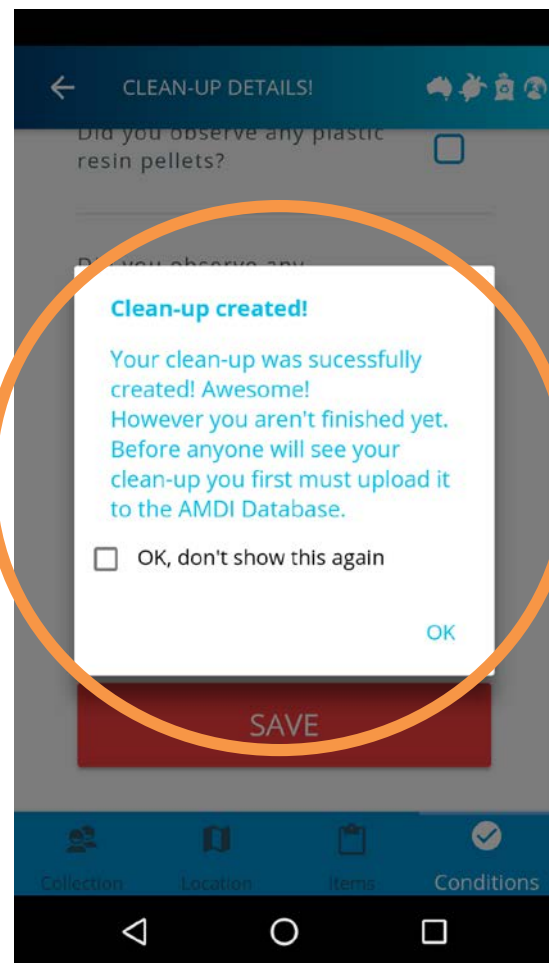
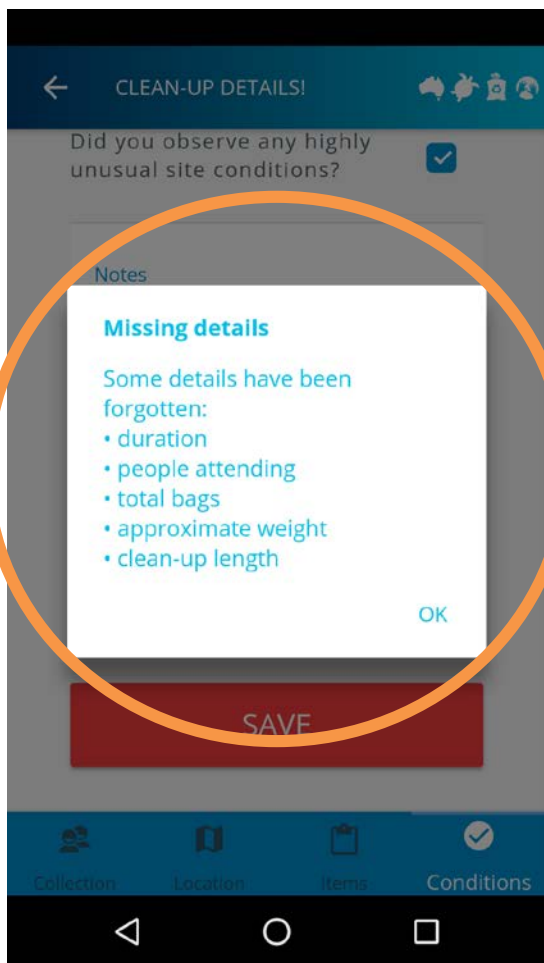
NEXT →

Collection Location Items Conditions

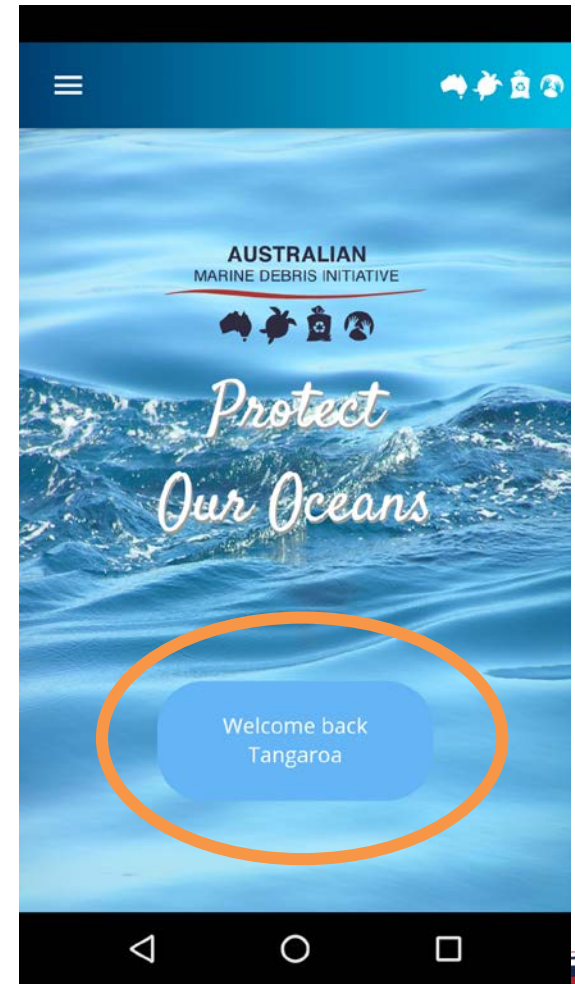
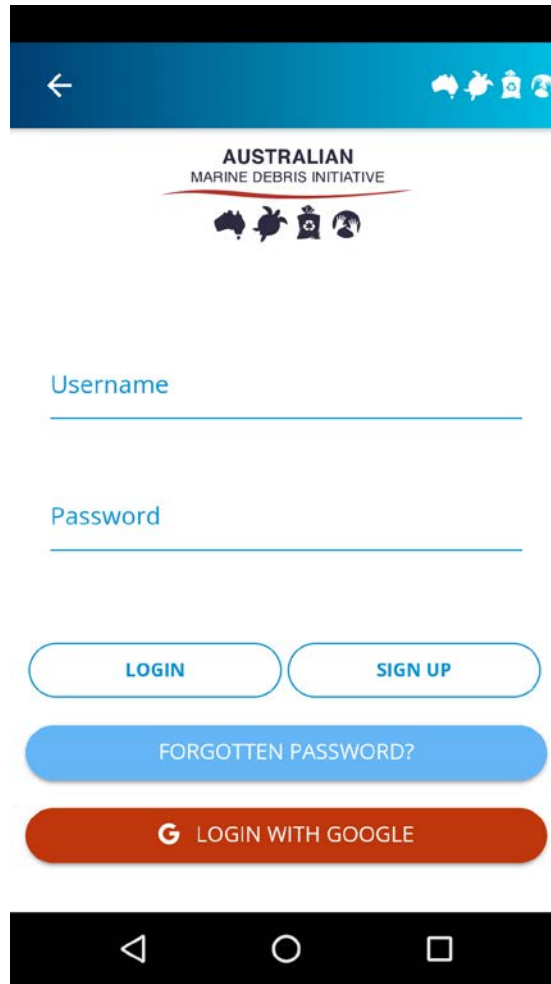
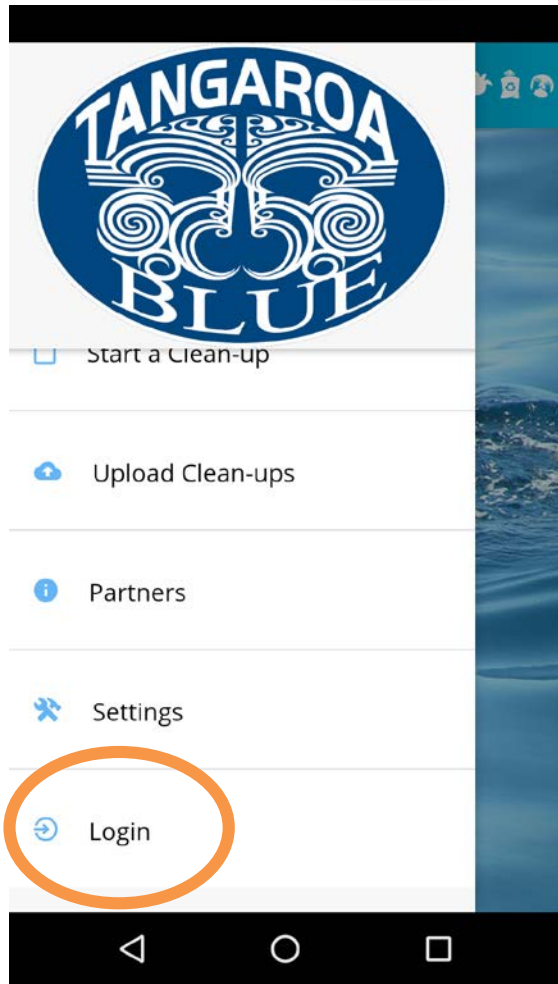
Conditions



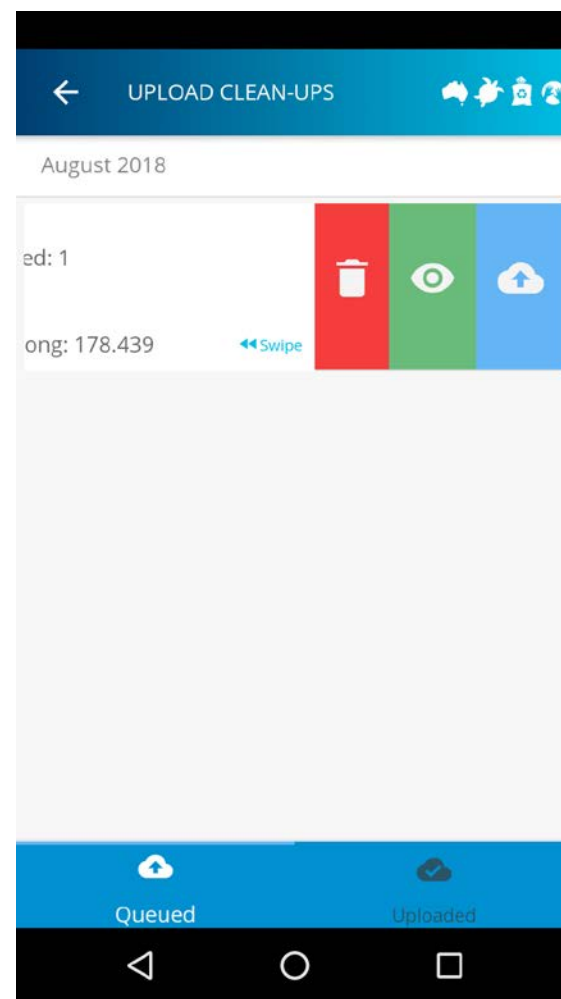
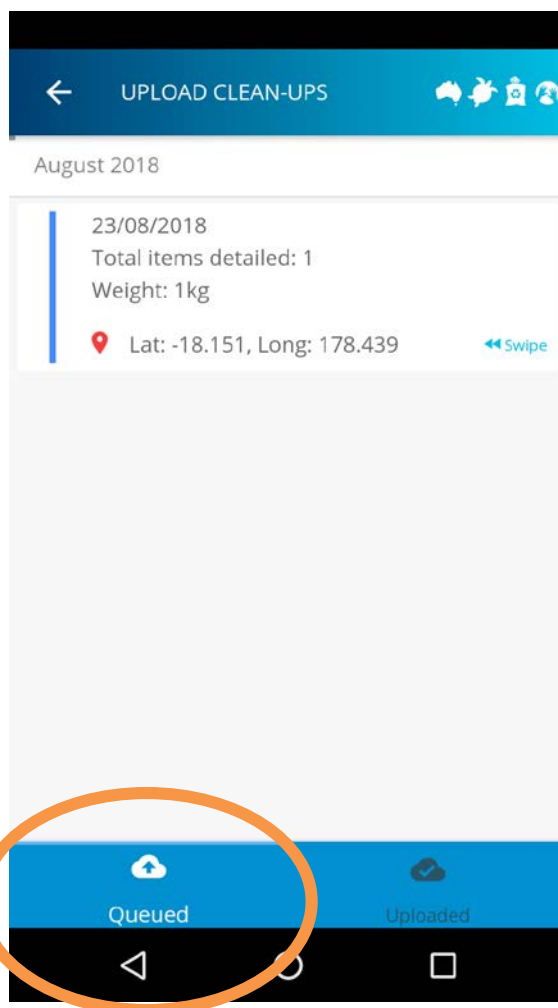
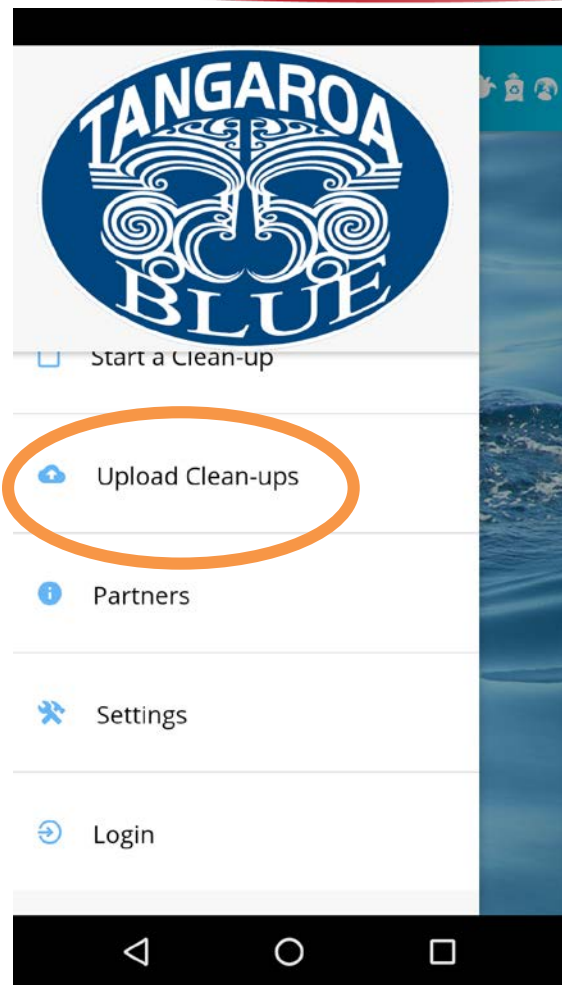
Last checks!



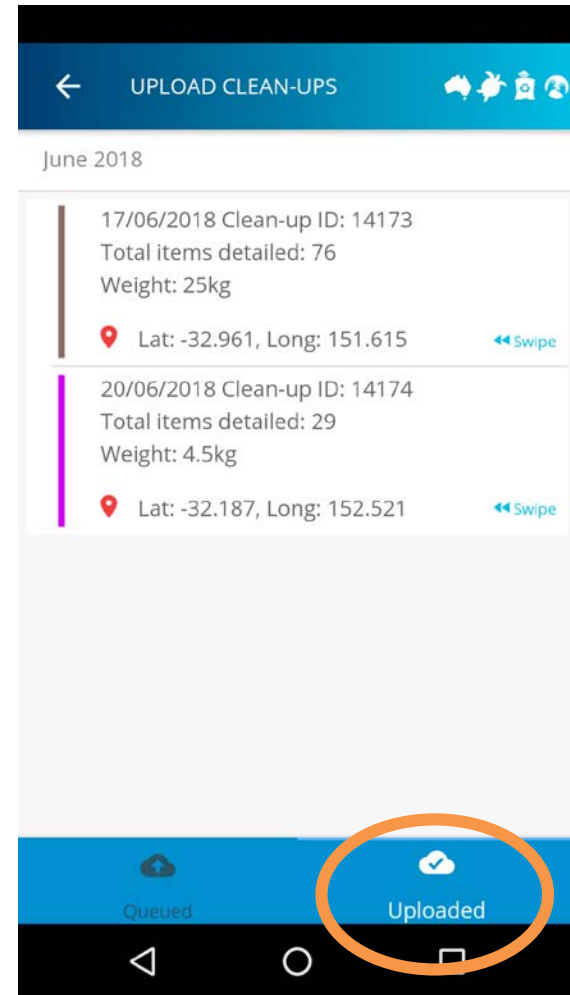
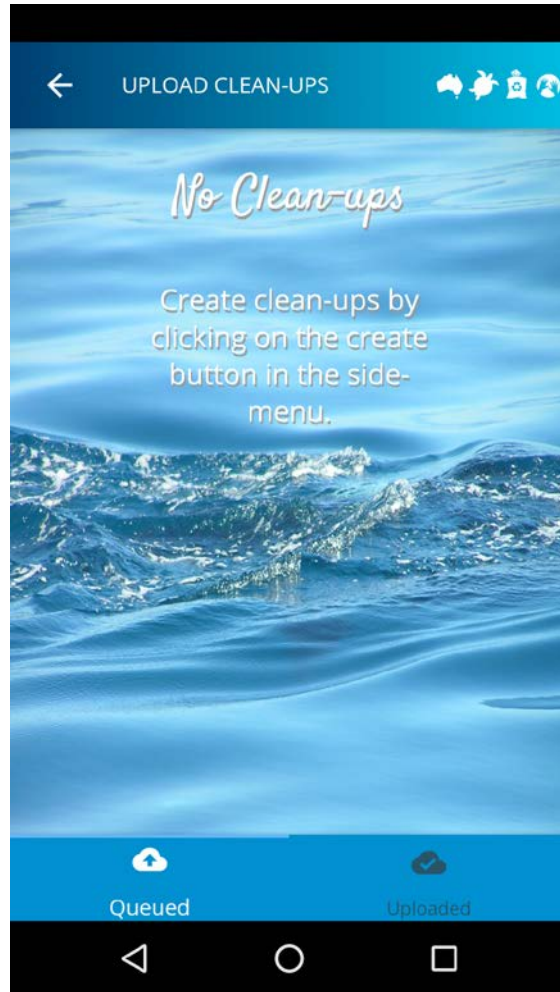
Uploading Data to the AMDI Database



Uploading Data to the AMDI Database



Uploading Data to the AMDI Database



Australian Marine Debris Database

AUSTRALIAN MARINE DEBRIS INITIATIVE

Welcome Submit Data Access Data Sign in

Australian Marine Debris Database

The Australian Marine Debris Database was created to enable volunteers and organisations who were running beach clean-up events to also collect data on what they were finding with a consistent methodology so it could be collated into a standardised national database on marine debris.

Since 2004 more than 7 million pieces of data have been inputted into the Australian Marine Debris Database, creating a comprehensive overview of what amounts and types of marine debris are impacting beaches around the country.

[LEARN MORE](#)

Before submitting or accessing data, please be make sure that you accept the data submission and data access open access policies.

Submitting Data

The database has an open access policy enabling scientists, government agencies, communities and organisations to request data on marine debris in Australia for educational and research purposes. The data submitted is always owned by the contributor, however the Australian Marine Debris Database provides one place for all data to be housed, providing everyone involved in the marine debris issue one place to both access and submit data on marine debris.

[SUBMIT DATA](#)

Data Access & Reporting

Our open access policy allows for a specific set of data reports to be generated for community groups, schools and partner organisations to assist in identifying marine debris trends and creating local source reduction plans.

[VIEW DATA](#)

Beach Clean-up Logistics

Safety:

- Keep hydrated – drink water and work within your limits!
- Sunscreen and sun protection
- Shoes and don't trip over the rocks
- Don't stick your hands in holes – snakes, spiders etc
- Watch for sharp items – broken glass
- Don't pick up needles - let me know we have sharps container
- Don't pick up asbestos
- Bend you knees – look after your back
- Don't pick up anything that is heavy or you think is dangerous
- Leave liquids in the bottle – might be something not nice!
- Work in pairs – kids to be supervised
- Please wear gloves

Syringe – Briefing Sheet

WARNING! DO NOT TOUCH NEEDLES

Do not handle syringes or
other dangerous objects

Please report any syringes
and dangerous objects
to the nearest adult



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WARNING: DANGEROUS ITEM

How to handle syringes

1. Syringes must be collected in actual sharps containers, not in plastic drink bottles.
2. Bring the sharps container to the syringe (not the other way around) and secure its position on the ground.
3. Wearing gloves, carefully pick up the object using tongs and place it into the container, sharp end first.
4. Replace the lid securely on the sharps container before attempting to move it.

In the event of a needle stick injury

1. Stay calm. The risk of infection by HIV or hepatitis from a needle stick sustained in the environment (as opposed to a medical setting) is extremely low.
2. Wash the area with soap and running water (if not available use an alcohol-based hand rinse).
3. Apply antiseptic and a band-aid.
4. Seek medical assistance as soon as possible from your local doctor or hospital.

After collection

1. Wash hands with soap and water on completion, or use an antiseptic hand wipe.
2. At the conclusion of the event, take the sharps container to your local hospital, council or health care centre.
3. At no time should needles or syringes be touched directly with bare hands and no attempts should be made to cover, break or bend the needle.

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Silver Canister – Briefing Sheet

WARNING: DANGEROUS ITEM



What is it?
Unmarked silver canisters like these have been washing up on beaches all over the Australian coastline. They are filled with aluminium phosphide pellets and are fatal to ingest or inhale.



What to do if you find one

- 1. DO NOT TOUCH IT**
Stand up wind to avoid possible inhalation
2. Mark the area with sticks and brightly coloured tape
3. Alert the clean up coordinator immediately
4. Call 000



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Asbestos – Briefing Sheet

WARNING: DANGEROUS ITEM



What is it?

Asbestos is the generic term for a number of fibrous silicate minerals. Products made from asbestos cement - a bonded asbestos material - include fibro sheeting (flat and profiled), guttering and downpipes, as well as other pipes for water, drainage or flues, corrugated roofing sheets, roofing shingles and guttering.



What to do if you find some

1. **DO NOT TOUCH IT**

- Inhaling this fibre can cause serious health problems and should not be handled
- Mark the area with sticks and brightly coloured tape
- Alert the clean up coordinator immediately

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Beach Clean-up Logistics

How the clean-up will work:

- Work in teams – we will give you a team number
- Each team will clean a different area
- Make sure you pick up the small stuff as well as the big stuff – all man made items
- We'll call teams in one at a time to collect the data
- If you have a full bag bring it back to the data area
- Everyone will have a turn to do the data, we just need to keep the data teams manageable in size
- Finish at 11.45am and head back to the venue for lunch
- Photos being taken – if you don't want to be in a photo just let us know
- Wash your hands before you eat!

Support is available info@tangaroablue.org



For more information on volunteering or donating please visit
www.tangaroablue.org

www.tangaroablue.org



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