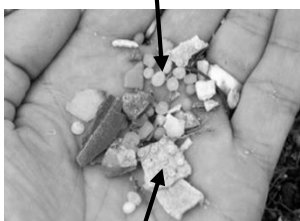


## WHAT AM I LOOKING FOR?

### Whole items

e.g. cigarette butts, bottle caps, large fragments, bags, wrappers, bottles, etc

### Resin Pellets



### Fragments

## NEED A HINT?

DON'T FORGET to use decimal degrees! >>>>

RECORD the quantity, or number, of each plastic type you find.

Whole items, not including cigarette butts (they get their own category).

Rubber, glass, metal, paper

TOTAL MACRO > 5 mm

TOTAL MICRO ≤ 5 mm

## PROCEDURE

### AT YOUR FIELD SITE

- Set up your first transect on the wrack line.
- Set the 10 m rope on top of and as parallel to the wrack line as possible.
- Starting at one end, place the meter stick perpendicular to the rope to mark a 1 meter wide swath.
- Take a measurement of your location GPS coordinates (using decimal degree format, to 5-7 decimal places, e.g. lat, long = 33.7470645, -118.1147850)
- Label your collection container.
- Work your way from one end of the transect to the other, collecting any plastics visible on the surface of the sand, even the really small ones!
- If you want to collect additional samples, set up another transect 10 m inland from and parallel to the first transect.
- Repeat the transect sample collection, labeling your new sample container with the distance away from the wrack line.

### IN THE CLASSROOM

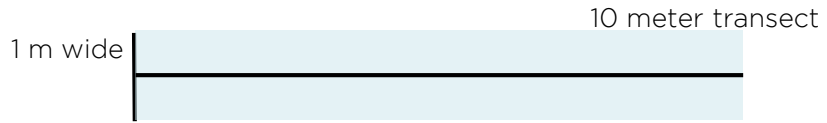
- Analyze your plastic samples in a calm area where it isn't windy. This is best done indoors.
- Empty the contents of one sample into a tray. A pie tin works great.
- Sort the plastics into these categories and record their quantity in the table.
- After sorting, determine the ratio of microplastics to macroplastics by counting the total number of pieces bigger than 5 mm using a ruler or a sieve. Record the number of macroplastics and the number of microplastics in your table.
- Count the total number of anthropogenic debris in your transect to get a total count.

## RECORD YOUR DATA

	Wrack-line	10 m	20 m	30 m		
Latitude						
Longitude						
Resin Pellets						
Solid fragments						
Foamy Fragments						
Film fragments						
Whole items						
Cigarette butts						
Non-plastic man-made items						
Total Macro						
Total Micro						
Total Items						

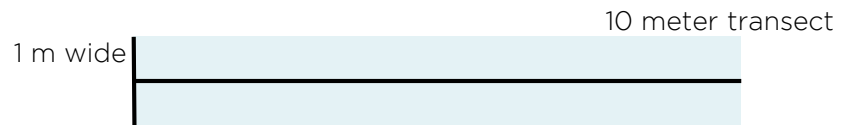
Collect all plastics visible on the surface of the sand in the shaded areas

20 meter transect



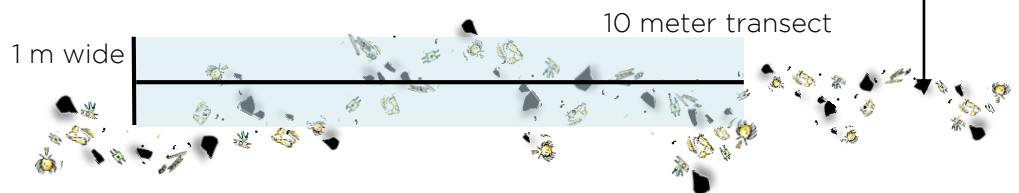
10 meters apart

10 meter transect



10 meters apart

Wrackline and first transect on the foreshore



Water's edge

