

SANDY & MUDDY SHORE

Mm2 SURVEY INFORMATION

Date: _____ / _____ / _____ **School/Group:** _____
Location: _____ **Surveyor Names:** _____
Start Time: _____
Shore Level: Low Mid High
Exposure: Very Exposed Exposed Sheltered Estuary (freshwater input)

Substrate		Percentage cover %
Reef	<i>(stable rock cover)</i>	
Boulder	<i>(head size)</i>	
Cobble	<i>(fist size)</i>	
Gravel	<i>(marble size)</i>	
Sand	<i>(like the beach)</i>	
Sediment	<i>(fine grain size)</i>	
Mud	<i>(gloopy)</i>	
Total	(should add up to 100)	100 %

Key Features of this Site *(e.g. rocky headland with surf beach 3 km to south; freshwater creek 50 m to the north; upper shore modified with harbour wall etc.)*

Evidence of Human Influences *(e.g. rubbish, people collecting seafood, tyre tracks on sand, dogs present, people in the water).*

PHOTO: Take a photo of your m² area and put the top of this sheet in the corner for identification later!

Surface feature	Present? (✓)
Holes <i>(burrow entrance of shrimp, crabs, amphipods or clams)</i>	
Worm deposits <i>(e.g. poo of bamboo or lugwoms)</i>	
Feeding marks (Wedge shells or snail trails)	
Other (describe)	

TURN THE PAGE OVER TO RECORD TYPES OF SEaweEDS AND ANIMALS FOUND



Surface count (in 1m x 1m quadrat):

Record plants and seaweeds as a percentage (%) cover. Count only live animals.

Plants, Seaweeds, Diatoms: common or scientific name	% Cover	Total % Cover

Live Animals: common or scientific name	Species Tally (Count)	Total Count

RPD Levels and Infauna Counts (in 10cm x 10cm core):

Take four core samples (one from each corner inside your m²). Remember to move surface life out of the way so it is not counted twice. Slide sediment out of the core carefully. Measure from the surface to where the sediment changes colour (this is your RPD level). Place the sediment in the sieve, rinse, and count the animals living in the mud (infauna).

RPD Level (in mm from surface)	Core samples taken from inside your quadrat				Total animals in 4 cores
	1	2	3	4	
Infauna Count (Common or Scientific Name)	Core samples taken from inside your quadrat				Total animals in 4 cores
	1	2	3	4	
<i>Ex. Portobello Cockle</i>	4	3	0	6	13

If you find a species you cannot identify, write a description of it and where it was found in the species list. Make sure you take a photo of it and send all the information to us at marinemetresquared@gmail.com.

Remember to enter your information on the Marine Metre Squared website: www.mm2.net.nz