Marine Metre² Survey Information
SANDY AND MUDDY SHORE

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	stable rock cover	
Boulder	head size	
Cobble	fist size	
Gravel	marble size	
Sand	like the beach	
Sediment	fine grain size	
Mud	gloopy	
Total	this should add 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

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PHOTO

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

SURFACE FEATURE	PRESENT? (Y/N)
Holes – e.g. burrow entrance of shrimp, crabs, amphipods or clams	
Worm deposits - e.g. poo of bamboo or lugwoms	
Feeding marks -e.g wedge shells or snail trails	
Other - describe	

SURFACE COUNT (in your 1mx1m quadrat)
Record plants and seaweeds as a percentage (%) cover. Count only live animals.

PLANTS, SEAWEEDS + DIATOMS Common or scientific name	PERCENTAGE COVER %	TOTAL PERCENTAGE 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				
	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	
e.g. Portobello Cockle	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 share your survey in the Marine Metre² database at www.mm2.net.nz