

# Data Card for Marine Refuse Survey (5/2013)



## Study on Investigation into Sources and Fates of Marine Refuse in Hong Kong

Refuse type: (✓ tick applicable)	Marine-based	Land-based	Date and time:	
Shoreline name:			District:	
Name of team leader:			Team members: (Names)	
Contact no. / email:				
Total no of bags:			Total weight:	

### Collect items according to their material composition

A pre-sorting exercise is recommended when collecting refuse.

Use 5 bags for collecting refuse according to material composition (Metal, Paper, Plastic, Natural or Other).

Count and weigh the total number of bags collected for each material and fill in the table below:

Bags collected:	Metal (all types)	Paper (and Cardboard)	Plastic (and Foamed plastic)	Natural (seaweed, branches, leaves)	Other (Rubber, Glass, Wood, etc.)
No. of bags					
Total weight					

### Record information on collected items, sorting them according to the categories below:

Empty the content of 1 of the 4 bags of pre-sorted refuse (Metal, Paper, Plastic or Other) onto an area shielded from wind and the public for further sorting according to the categories listed below. (Note that the 'Natural' debris bags do not require further sorting).

Count and enter the total number of items per category in the 1<sup>st</sup> box.

You may use tally marks to help count items (optional).

Weigh and enter the total weight of the items in the 2<sup>nd</sup> box (preferable).

Note:



Items recycled in Hong Kong are marked with an asterisk (\*).

Example:

Total	Item description	Code	Kg
6	Metal - Beverage cans (aluminium) ☞☞☞☞☞☞	ME03	0.09

### Shoreline and Recreational Activities (Debris from beach-goers, sports/games, festivals, streets/storm drains, etc)

Metal - Beverage cans (aluminium)*	ME03		Foamed plastic fragments (< 2 cm)	FP02.2	
Metal - Foil wrappers (Potato chips packaging, etc.)*	ME06		Foamed plastic fragments (2-5 cm)	FP02.3	
Metal - Food tins, cans (< 4L)*	ME04.2		Foamed plastic fragments (> 5 cm)	FP02.4	
Metal - Food tins, cans (> 4L)*	ME05.2		Plastic - Gloves	PL09	
Metal - Fragments (< 2 cm)	ME08.1		Plastic - Toys*	PL08	
Metal - Fragments (2-5 cm)	ME08.2		Plastic - Pieces	PL07.3	
Metal - Fragments (> 5 cm)	ME08.3		Plastic - Food wrappers, Labels, Packets	PL07.4	
Metal - Pull tabs, Lids*	ME02		Cloth - Backpacks & bags	CL02	
Paper - Bags, Newspapers, Magazines*	PC01		Cloth - Clothing, Shoes, Towels, Hats*	CL01	
Paper - Food containers, Beverage cartons*	PC03.1		Glass - Beverage bottles*	GC02	
Paper - Tubes for fireworks	PC04		Glass or Ceramic - Tableware (Plates, Cups)	GC03	
Plastic - Bags*	PL07.1		Glass or Ceramic fragments (< 2cm)	GC07.1	
Plastic - Mesh bags (vegetables, oysters, etc.)	PL15		Glass or Ceramic fragments (2-5cm)	GC07.2	
Plastic - Beverage bottles (< 2L)*	PL02.1		Glass or Ceramic fragments (> 5 cm)	GC07.3	
Plastic - Beverage bottles (> 2L)*	PL03.1		Rubber - Flip-flops footwear	RB02	
Plastic - Beverage package rings (6-Pack holders, etc)*	PL05		Rubber - Toys, Balls, Balloons	RB01	
Plastic - Caps, Lids*	PL01		Wood - Chopsticks, Toothpicks, Ice-cream sticks	WD03	
Plastic - Cutlery (Spoons, Knives, Forks), Straws, Stirrers*	PL04		Wood - Corks	WD01	
Plastic - Food containers, Cups, Plates*	PL06		Other - Shotgun shells / Wadding	PL24.5	
Foamed plastic - Food containers, Cups	FP02.1		Other - Food waste	OT07	

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## Ocean / Waterway Activities (Debris from recreational / commercial fishing and boat / vessel operations)

Metal - Crab / Lobster / Fish traps	ME07
Metal - Wire, Wire mesh, Barbed wire, Electrical wire	ME09
Plastic - Bait packets *	PL07.2
Plastic - Oil / Lube, Coolant bottles (< 2L) for industrial use*	PL02.2
Plastic - Oil / Lube, Coolant bottles (> 2L) for industrial use*	PL03.2
Plastic - Buoys / Floats*	PL14
Foamed plastic - Buoys / Floats	FP03
Plastic - Crab / Lobster / Fish traps	PL17.1
Plastic - Crates, Baskets, Trays *	PL13
Plastic - Fish lures	PL17.2
Plastic - Fishing line	PL18
Plastic - Fishing nets	PL20
Plastic - Hard items (surf board, etc.)	PL24.1
Plastic - Pellets*	PL23

Plastic - Rope	PL19
Plastic - Sheets / Tarps*	PL16
Plastic - Strapping bands	PL21
Foamed plastic - Insulation, Packaging (< 0.5 m)	FP04.1
Foamed plastic - Insulation, Packaging (> 0.5 m)	FP04.2
Cloth- Canvas, Sailcloth & Sacking (Hessian)	CL03
Cloth- Rope, String	CL04
Glass - Fluorescent light tubes	GC05
Glass - Glass buoys	GC06
Glass - Light bulbs	GC04
Rubber - Gloves	RB03
Rubber - Rubber bands	RB06
Wood - Pallets, Processed timber	WD04
Wood - Fishing traps and pots	WD02

## Smoking-Related Activities

(Debris of smoking-related material and packaging by smokers)

Paper - Tobacco packaging*	PC03.2
Plastic - Cigarettes, Butts, Filters	PL11.1
Plastic - Cigarette lighters	PL10
Plastic - Cigar tips	PL11.2

## Dumping Activities

(Improper disposal of construction material and household waste)

Metal - Drums, Gas bottles, Buckets, Cans (> 4L) *	ME05.1
Metal - Paint tins, Spray cans, Buckets (< 4L) *	ME04.3
Foamed plastic - Foam sponge	FP01
Plastic - Furniture (chairs, etc)	PL24.2
Plastic - Dish-washing/laundry/household cleansing bottles (DOVE, AXE, etc.) (< 2L) *	PL02.3
Plastic - Dish-washing/laundry/household cleansing bottles (DOVE, AXE, etc.) (> 2L) *	PL03.3
Paper - Cardboard boxes and Cartons including household waste*	PC02
Wood - Furniture (chairs, etc)	WD06
Cloth - Carpet & Furnishing	CL05
Other - Building / Construction material (Brick, Cement, Pipes)	GC01
Other - Batteries (Torch type)*	OT04
Other - Appliances, Electronics*	OT03
Rubber - Tyres	RB04
Other - Car / Car parts	PL24.4
Rubber - Inner-tubes and rubber sheet	RB05

## Medical / Personal Hygiene

(Debris from beach-goers, sewers, storm drains, etc.)

Metal - Aerosol / Spray cans (< 4L) *	ME04.1
Plastic - Syringes	PL12
Other - Sanitary items (cotton buds, diapers, tampons, etc.)	OT02
Rubber - Condoms	RB07

## Debris Items of Local Concern (Debris found in Hong Kong)

Metal - BBQ forks, Cutlery, Plates, Cups	ME01
Plastic - Cyalume (glow) sticks	PL24.3
Other - Candles	OT01

Other - Bamboo (< 1 m)	OT05.1
Other - Bamboo (> 1 m)	OT05.2
Wood - Incense sticks, Matches	WD05

Entangled animals  Dead or  Alive

List all entangled animals found during the Cleanup and describe in what they were entangled (e.g. fishing net, rope, etc.)

What was the most peculiar item collected?

Items not originally from Hong Kong? Comment on the likely origin of items (e.g. by reference to language on packaging)

Notes (Comments on any additional refuse observed and its abundance)