

「育養海岸」計劃 2014 至 2015 年生態及海洋垃圾調查結果
Coastal Watch 2014 – 2015 Ecological and Marine Litter Survey Result

調查時間 Survey period:

2014 年 7 月至 2015 年 5 月 / Jul 2014 – May 2015

調查數據主要分為五大類型 Data collected was classified into five main types:

- 生態調查
Ecological survey
- 岸上大型垃圾調查 (包括沙灘、泥灘、紅樹林及岩岸)
Land-based macro-debris survey (sandy beaches, mudflats, mangroves & rocky shores)
- 岸上微型垃圾調查 (包括沙灘、泥灘、紅樹林及岩岸)
Land-based micro-debris (sandy beaches, mudflats, mangroves & rocky shores)
- 沿岸水域漂浮垃圾調查
Coastal floating litter survey
- 海底垃圾調查
Underwater litter survey

I. 生態調查 Ecological Survey

- 岸上生境平均品種記錄 Average number of species recorded in land-based habitats:
 - 紅樹林 mangroves : 27
 - 泥灘 mudflats : 26
 - 岩岸 rocky shores : 18
 - 沙灘 sandy beaches : 10
- 海底調查點珊瑚平均覆蓋率 Coral coverage at the underwater sites: 5.5%

II. 海洋垃圾調查 Marine Litter Survey

1. 平均垃圾量

Average number of pieces of litter

	岸上大型垃圾 Land-based macro-debris (每 5 米樣帶 in each five-metre belt transect)	岸上微型垃圾 Land-based micro-debris (每 1 平方米 in every one sq. metre belt transect)	沿岸水域漂浮垃圾 Coastal floating litter (每 2 小時收集 collected every two hours)	海底垃圾 Underwater litter (每 100 米樣線 along each 100 metre transect)
平均數量 (件) Average number of pieces	391.4	131.4	694.5	57.9

2. 海洋垃圾主要類別

Composition of Marine Litter

	岸上大型垃圾 Land-based macro-debris (每 5 米樣帶 in each five-metre belt transect)	岸上微型垃圾 Land-based micro-debris (每 1 平方米 in every one sq. metre belt transect)	沿岸水域漂浮垃圾 Coastal floating litter (每 2 小時收集 collected every two hours)	海底垃圾 Underwater litter (每 100 米樣線 along each 100 metre transect)
塑膠 Plastics	62.3%	67.4%	84.7%	60.1%
玻璃 Glasses	20.8%	19.9%	0.5%	8.1%
金屬 Metal	3%	0.4%	4.9%	12.6%
木材 Wood	1.5%	-	3.3%	2.4%
橡膠 Rubber	0.9%	-	1.2%	2.1%
紙 Paper	0.6%	1.4%	2.3%	0.2%
布料 Cloth	0.6%	-	0.3%	0.7%
其他 Others	10.3%	10.9%	2.7%	13.9%

3. 十大海洋垃圾類型 – 岸上大型垃圾

Top Ten Categories of Litter – Land-based macro-debris

岸上大型垃圾 Land-based macro-debris (每 5 米樣帶 in each five-metre belt transect)	
排名 Rank	垃圾類型 Categories
1	玻璃碎片 Glass fragments
2	發泡膠 - 碎片 Polystyrene - fragments
3	塑膠碎片(硬) Plastic fragments -hard
4	塑膠包裝袋及保鮮紙 - 碎片 Plastic packaging (wrappers) and film - fragments
5	飲品膠樽蓋 Drink bottle caps
6	幼繩、帶子、絲帶段 Thin rope, string, ribbon pieces
7	餐具 (完整及碎片) Cutlery, whole and pieces
8	塑膠包裝袋及保鮮紙 Plastic packaging (wrappers) and film
9	其他瓶蓋、泵、噴霧蓋 Other bottle caps, pump and spray lids
10	塑膠纖維 (無法識別) Plastic fibres - unidentifiable

4. 十大海洋垃圾類型 – 沿岸水域漂浮垃圾

Top Ten Categories of Litter – Coastal floating litter

沿岸水域漂浮垃圾 Coastal floating litter (每 2 小時收集 collected every two hours)	
排名 Rank	垃圾類型 Categories
1	塑膠包裝袋及保鮮紙 - 碎片 Plastic packaging (wrappers) and film - fragments
2	塑膠包裝袋及保鮮紙 Plastic packaging (wrappers) and film
3	幼繩、帶子、絲帶段 Thin rope, string, ribbon pieces
4	發泡膠 - 碎片 Polystyrene - fragments
5	發泡膠箱 (完整及碎片) Polystyrene boxes (whole & identifiable pieces)
6	膠購物袋 Plastic shopping bags
7	發泡膠 - 食物盒及杯 (完整及碎片) Polystyrene - food boxes & cups (whole & identifiable pieces)
8	飲品膠樽蓋 Drink bottle caps
9	一升或少於一升的飲品樽 Drink bottles 1L and less
10	快餐外賣容器及蓋及杯 (完整及碎片) Fast food containers, lids & cups, whole & pieces

5. 十大海洋垃圾類型 – 海底垃圾

Top Ten Categories of Litter – Underwater litter

海底垃圾 Underwater litter (每 100 米樣線 along each 100 metre transect)	
排名 Rank	垃圾類型 Categories
1	陶器碎片 Ceramics pieces
2	塑膠碎片(硬) Plastic fragments -hard
3	塑膠包裝袋及保鮮紙 Plastic packaging (wrappers) and film
4	飲品樽 Drink bottle
5	金屬 - 其他 Metal - other
6	杯(小型、完整及碎片) Clear water cups, small, whole & pieces
7	漁具(浮標、誘餌、魚絲) Fishing items (floats, lures, buoys, fishing line)
8	漁網碎片 Fishing net pieces
9	一升或少於一升的飲品樽 Drink bottles 1L and less
10	玻璃碎片 Glass fragments