



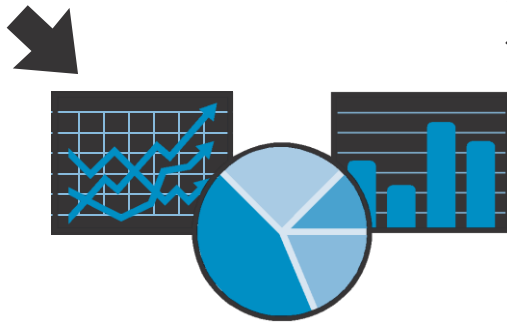
JOIN THE FIGHT FOR A HEALTHY OCEAN

HALONG CLEANUP DATA ANALYSIS SUMMARY



= 20

1 CLEAN UP TRASH & COLLECT DATA
THU GOM RÁC THẢI VÀ THU THẬP THÔNG TIN



2 ORGANIZE & ANALYZE DATA
PHÂN TÍCH THÔNG TIN



3 PUBLISH RESULTS
CHIA SẺ KẾT QUẢ



4 REDUCE OUR IMPACT
GIẢM THIỂU TÁC ĐỘNG

1. SITE AND CAMPAIGN INFORMATION

Name of campaign

**“Action for a Green Ha Long”
Programme**

Campaign time

14 June 2016

Cleanup Site Name:

Vụng Hà area, Ha Long Bay

Province:

Quảng Ninh (Ha Long city)

Country:

Viet Nam

Type of cleanup:

Beach/island and underwater (by kayak)

Number of Volunteers working in this campaign

Adults: 110 participants

Children: No

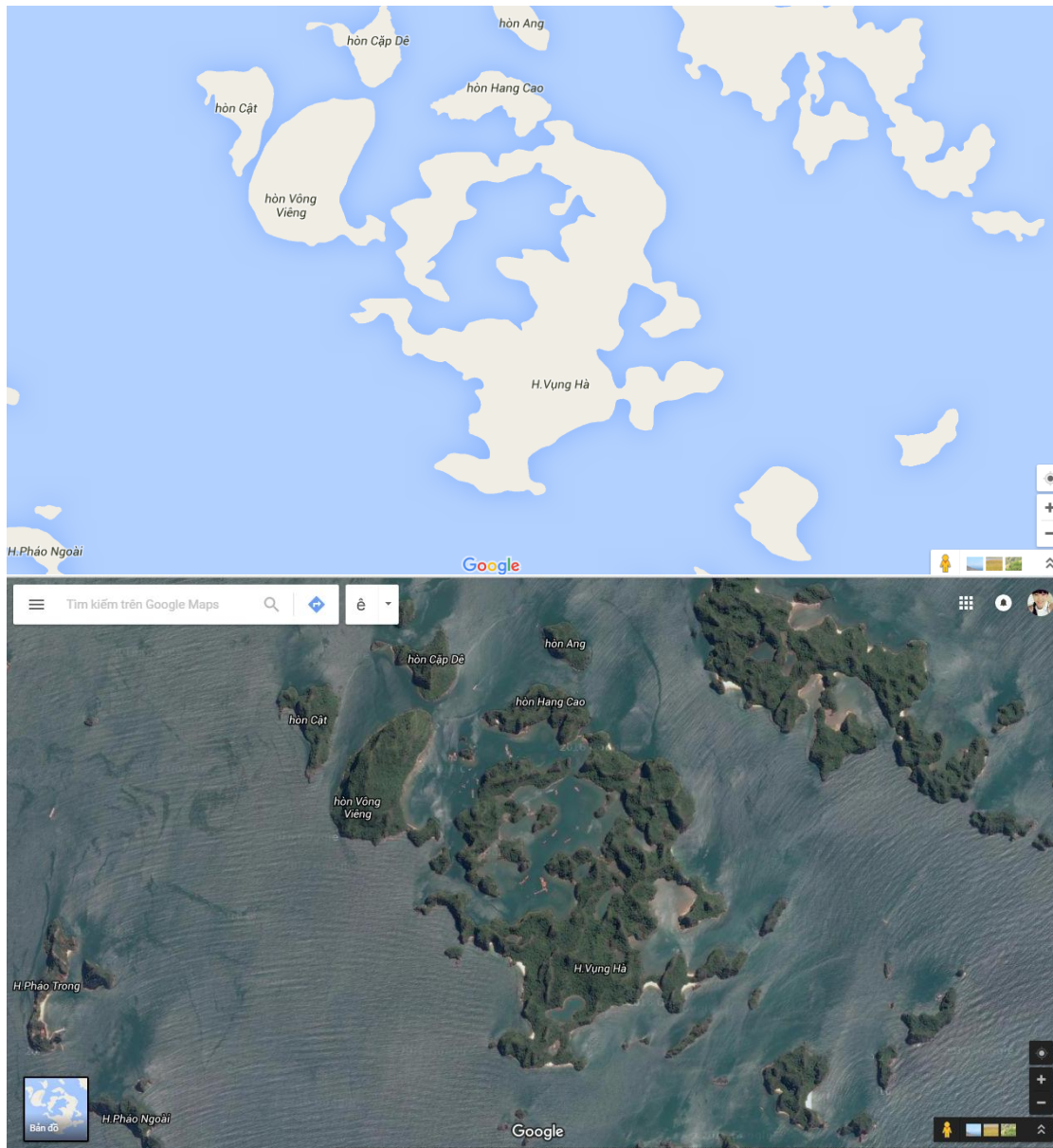


Photo: map of Vụng Hà area, Ha Long Bay

2. DATA ANALYSIS FROM COLLECTED TRASH

Summary the collected trash

Number of Trash bags filled: 245 bags

Weight of trash collected: approximately 735 kg

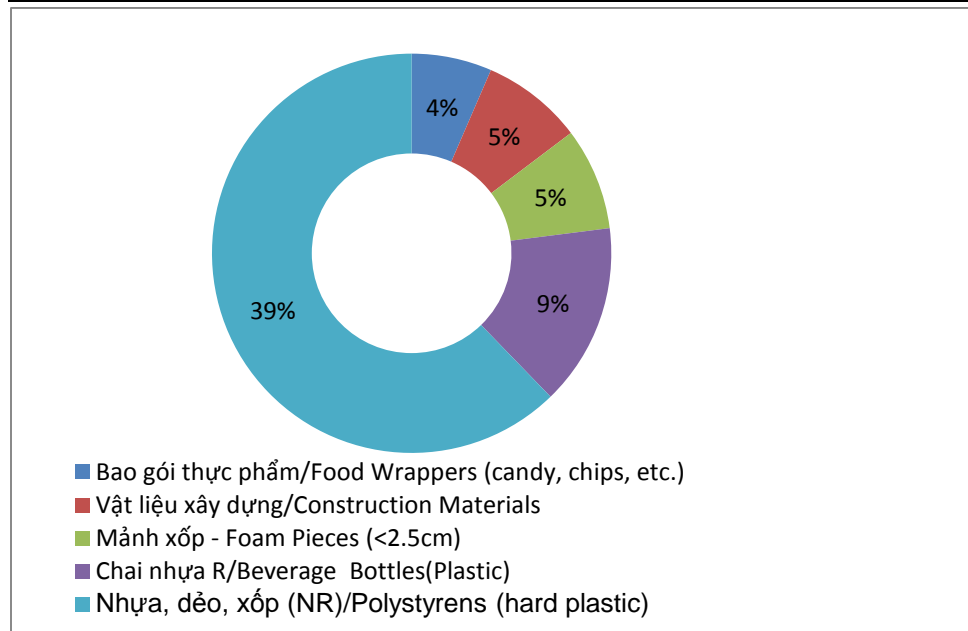
Distance cleaned: 1.2 km (05 sites around the Vung Ha area in Ha Long Bay

Number of items: 7512 items

Most likely to find items

Top 05 items found in Vung Ha area, Ha Long Bay

Items	#	Percentage (in compare to total of 7512 items)
Food Wrappers (candy, chips, etc.) Bao gói thực phẩm	306	4%
Construction Materials Vật liệu xây dựng/	386	5%
Foam Pieces (<2.5cm) Mảnh xốp -	390	5%
Beverage Bottles(Plastic)/Chai nhựa R/	510	9%
Polystyrens (hard plastic) (Nhựa, dẻo, xốp (NR)	2912	39%



Highlighted: Polystyrene foam is dominant trash found in cleanup site; and second item found is plastic bottle.

Tiny trash less than 2.5cm, BIG IMPACTS

Foam Pieces Mảnh xốp	Glass Pieces Mảnh kính	Mảnh nhựa Plastic Pieces
390	114	226

Weird things found around Vung Ha, Ha Long Bay

- Refrigerator door
- Blanket
- Wine bottles with nuts inside

Dead or injured animal: Yes, Small crabs (05)

3. DISCUSSION/RECOMMENDATIONS FROM RESULTS AND UPCOMING ACTION

- Polystyrene is one of many types of plastics but presents a particular environmental concern. Production requires significant energy and use of non-renewable resources. There are also limited recycling services available due to its unique properties and polystyrene is likely to escape from landfill and become rubbish again. Polystyrene foam is a derivative of polystyrene known as styrofoam or expanded polystyrene (EPS). It is used in protective packaging for appliances and in such products as insulated disposable cups, meat trays and panel insulation. The ingestion of polystyrene fragments in marine species is a big concern. In Ha Long Bay, the polystyrene represents the most common item found. It can come from fishing and aquaculture activities in the bay or from the Cat Ba Archipelagos. The program should conduct monitoring of waste in the collection sites for comparison as well as finding out the sources of those items and recommend further actions to be taken by local government such as Ha Long city People's Committee and Ha Long Bay Management Board.
- Separation of recyclable items during trash collection should be improved and kept up with having regular vendors to take the trash and send it to recycling premises.
- Data collection for Ha Long Bay site: it is necessary in future clean-ups to improve the data card used (number of items of polystyrene should be replaced by number of bags).
- Data from cleanup will be coordinated to update Vietnam state of International Coastal Cleanup by GreenHub to Ocean Conservancy.
- Dialogues for regular monitoring and cleanups among relevant stakeholders should be facilitated by IUCN.
- Changing behaviors and practices require a long-term, coordinated, education-based program in parallel with enforcement of regulations.
- Bhaya, as well as other local businesses, should expand and replicate green practices to join the fight for a green Ha Long.

ANNEX PHOTOS OF HALONG CLEANUP

