

OCEAN CONSERVANCY'S
International
**Coastal
Cleanup**

START A SEA CHANGE



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SUMMARY REPORT BERMUDA

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The International Coastal Cleanup

The International Coastal Cleanup engages people to remove trash and debris from the world's beaches and waterways, to identify the sources of debris, and to change the behaviors that cause pollution.

The 2007 ICC: A Dynamic Global Snapshot of Marine Debris

In 2007, the ICC's growing success generated a detailed picture of trash in our ocean. International participation jumped from 66 countries in 2006 to 76 in 2007. More than 378,000 people picked their way across more than 33,000 miles of stream, river, and ocean shoreline to collect six million pounds of debris. That translates to an average of 16 pounds per person. Once again, Project Aware led scuba divers (8,321 of them) below the surface in underwater cleanups that yielded 161,513 pounds.

China joined the ICC for the second year; Russia also took part in the cleanup, for the first time since 2003. The Caribbean improved dramatically on last year's ICC efforts, with volunteer numbers in Trinidad and Tobago jumping from 894 to 2,250, an increase of more than 60 percent. And in the Bahamas, volunteer participation exploded a whopping 82 percent as 1,037 volunteers pitched in (compared to 180 in 2006). These volunteers removed an average of almost 78 pounds of trash per mile, which equaled 80 percent more pounds of debris per mile than last year.

Through its Regional Seas Programme (RSP) and the Global Programme for Action for the Protection of the Marine Environment from Land-based Activities (GPA), the United Nations

Environmental Programme (UNEP) has developed a "Global Initiative on Marine Litter" to address the global pollution issue. The initiative focuses on both regional and global efforts, and provides a platform to establish partnerships and cooperation for the coordination of activities to control and sustainably manage marine debris.

In the US, Ocean Conservancy President Vikki Spruill was honored to join First Lady Laura Bush to announce the White House's new marine debris initiative during the dedication ceremony of the J.L. Scott Marine Education Center – Gulf Coast Research Laboratory in Biloxi, Mississippi. The White House Initiative calls for an increase in public/private partnerships on cleanups, enhanced public education on debris prevention, and an emphasis on international cooperation to end dumping in the ocean.



2007 ICC: Bermuda

In Bermuda, 127 volunteers participated in the ICC, removing 1,482 pounds of trash and debris from three miles of shoreline. In addition, 15 volunteer divers participated in underwater cleanups, removing 250 pounds of debris from 0.5 miles of seafloor

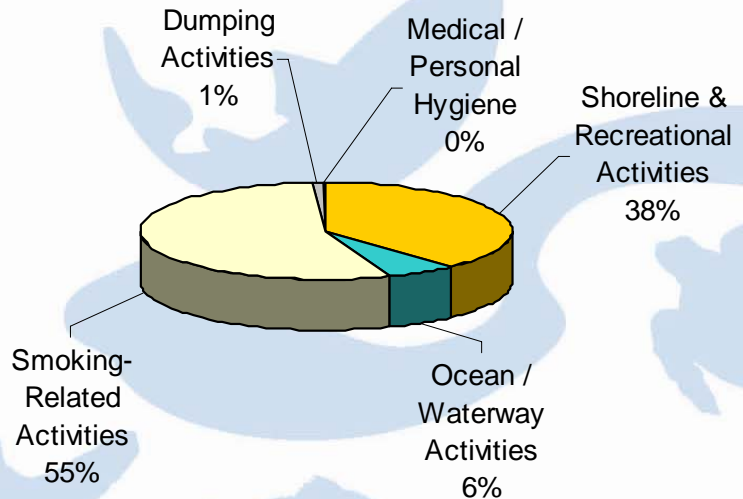
38.4 percent of the debris found in Bermuda came from land-based activities like picnics, festivals, sporting events, and beach outings. Litter washed from streets, parking lots, and storm drains also contributed to this category.

Ocean and water-based activities offshore such as boating and fishing accounted for 6.2 percent of Bermuda's debris. Globally, 6.3 percent of collected debris came from ocean and waterway-based activities.

Smoking-related products (cigarette filters, cigar tips, and tobacco packaging) accounted for 54.2 percent of the debris found in Bermuda. Worldwide, these items comprised 33.6 percent of the six million pounds of debris collected.

Ocean Conservancy's annual Top Ten list shows which items are most prevalent around the globe. The Top Ten accounted for 91.7 percent of the debris found in Bermuda.

2007 ICC: Bermuda Sources of Debris



Top Ten Debris Items

Debris Items	Number of Items	Percentage of Total
1. Cigarettes/ Cigarette Filters	2,572	52.3%
2. Caps/Lids	441	9.0%
3. Food Wrappers and Containers	320	6.5%
4. Beverage Bottles (Glass)	272	5.5%
5. Beverage Bottles (Plastic) 2 liters or less	250	5.1%
6. Rope	173	3.5%
7. Bags	151	3.1%
8. Straws/Stirrers	129	2.6%
9. Cups/Plates/ Forks/Knives/Spoons	125	2.5%
10. Beverage Cans	80	1.6%
Total Top Ten	4,513	100.0%
Total All Debris Items	4,921	91.71%

Dangers of Marine Debris

In addition to being an eyesore, marine debris also poses dangers for wildlife and people. Marine debris kills more than one million seabirds and 100,000 marine mammals and turtles annually. Unfortunately, each year ICC volunteers find a variety of marine wildlife species entangled in debris. In 2007, participants found 237 entangled animals. Birds represented nearly 35 percent of entangled wildlife, followed by fish (27 percent), invertebrates (20 percent), mammals (nearly 13 percent), reptiles (almost five percent), and amphibians (less than one percent).

Discarded monofilament fishing line is perhaps the single-most dangerous debris item, accounting for 65 percent of entanglements found during the ICC. In fact, derelict fishing gear – which includes fishing line, nets, rope, lures, and light sticks, and crab/lobster/fish traps – represented 72 percent of all entanglements.

Conclusion

Trash in our ocean pollutes our water, kills and injures wildlife, and also costs local communities in debris removal, lost tourism, and lower property values. While the ICC accomplishes amazing results, one day of cleaning up will only be a drop in the ocean unless we expand our reach, bringing in new volunteers and new countries and expanding our commitment beyond the Cleanup to keeping our ocean healthy all year round. We have the opportunity to make significant strides not only in cleaning up the existing trash that is polluting our water, but – more importantly – in reducing the amount that enters the ocean in the first place.

If we all join together and make the ICC's mission an integral part of our daily lives, we could truly *start a sea change*, every day. It starts one day at a time.



10 Things You Can Do To Stop Marine Debris

1. Join Ocean Conservancy's International Cleanup!

Visit www.oceanconservancy.org/coastalcleanup

2. Clean up your trash. Throw all trash away in proper receptacles, even when you're not on the water. Pick up any debris you see while out.

3. Collect your monofilament fishing line.

Don't leave fishing line behind and retrieve any other line you may find while fishing, but be careful not to tug on snagged lines, which could be caught on habitat below the surface.

4. Contain and properly clean spills when boating. Use oil-absorbent rags and materials to clean spills. Check Ocean Conservancy's *Good Mate* manual for helpful tips on reducing your negative impacts on the water.

5. Recycle used motor oil and oil filters. Local gas stations should have appropriate facilities for recycling these materials. NEVER pour oil, paint, antifreeze, or other household chemicals into an open sewer or down a storm drain.

6. Consider organic alternatives to household detergents and cleaners. Use lemon juice, vinegar, and baking soda for household cleaning. Avoid using fertilizers, pesticides, herbicides, and harsh chemical cleaners that can wash into waterways.

7. Choose reusable items and use fewer disposable ones. Use fewer disposable bags when shopping or bring your own reusable ones.

8. Properly dispose of used batteries and electronics. Don't dump them in landfills, use your local recycling center. These items leach harmful chemicals into the environment that take a long time to disperse.

9. Keep streets, sidewalks, parking lots, and storm drains clear of trash and debris – they empty into our ocean.

10. Contact your elected representatives and let them know you care about marine debris – and that they should care, too. Vote for candidates who support marine debris prevention and policies that protect our environment.



Bermuda 2007 ICC Sponsors

Dolphin Quest Bermuda
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Debris Items Collected During the 2007 ICC in Bermuda

Debris Items	Land	Underwater	Total	Percentage of Total
Shoreline & Recreational Activities				
Bags	151	0	151	3.1%
Balloons	8	0	8	0.2%
Beverage Bottles (plastic) 2 liter or less	250	0	250	5.1%
Beverage Bottles (glass)	272	0	272	5.5%
Beverage Cans	80	0	80	1.6%
Caps/Lids	441	0	441	9.0%
Clothing/Shoes	67	0	67	1.4%
Cups, plates, etc	125	0	125	2.5%
Food Wrappers	320	0	320	6.5%
Pull Tabs	12	0	12	0.2%
Six-Pack Holders	6	0	6	0.1%
Shotgun Shells	1	0	1	0.0%
Straws/Stirrers	129	0	129	2.6%
Toys	26	0	26	0.5%
Category Totals	1,888	0	1888	38.4%
Ocean/Waterway Activities				
Bait Containers	15	0	15	0.3%
Bleach/Cleaner	9	0	9	0.2%
Buoys/Floats	9	0	9	0.2%
Crab/Lobster/Fish Traps	0	0	0	0.0%
Crates	12	0	12	0.2%
Fishing Line	41	0	41	0.8%
Fishing Lures/Light Sticks	3	0	3	0.1%
Fishing Nets	3	0	3	0.1%
Light Bulbs	7	0	7	0.1%
Oil/Lube Bottles	6	0	6	0.1%
Pallets	3	0	3	0.1%
Plastic Sheeting	19	0	19	0.4%
Rope	173	0	173	3.5%
Strapping Bands	5	0	5	0.1%
Category Totals	305	0	305	6.2%
Smoking-Related Activities				
Cigarettes/Cigarette Filters	2572	0	2572	52.3%
Cigarette Lighters	29	0	29	0.6%
Cigar Tips	22	0	22	0.4%
Tobacco Packaging	44	0	44	0.9%
Category Totals	2,667	0	2667	54.2%
Dumping Activities				
Appliances	1	0	1	0.0%
Batteries	3	0	3	0.1%
Building Materials	39	0	39	0.8%
Car/Car Parts	2	0	2	0.0%
55-Gallon Drums	1	0	1	0.0%
Tires	1	0	1	0.0%
Category Totals	47	0	47	1.0%
Medical/Personal Hygiene				
Condoms	8	0	8	0.2%
Diapers	4	0	4	0.1%
Syringes	0	0	0	0.0%
Tampons	2	0	2	0.0%
Category Totals	14	0	14	0.3%
Totals	4,921	0	4921	100.0%