

TRACKING TRASH

25
YEARS

OF ACTION FOR THE OCEAN

2011 REPORT

OCEAN CONSERVANCY'S
International
**Coastal
Cleanup**[®]

25TH
ANNIVERSARY

Ocean
Conservancy[®]
Start a Sea Change

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25 YEARS OF NEW POLICIES, PARTNERSHIPS, PRODUCT INNOVATION, AND DATA FOR TRASH FREE SEAS

Over the past 25 years, Ocean Conservancy’s International Coastal Cleanup has become the world’s largest volunteer effort for ocean health. Nearly nine million volunteers from 152 countries and locations have cleaned 145 million pounds of trash from the shores of lakes, streams, rivers, and the ocean on just one day each year. They have recorded every item found, giving us a clear picture of the manufactured items impacting the health of humans, wildlife, and economies.

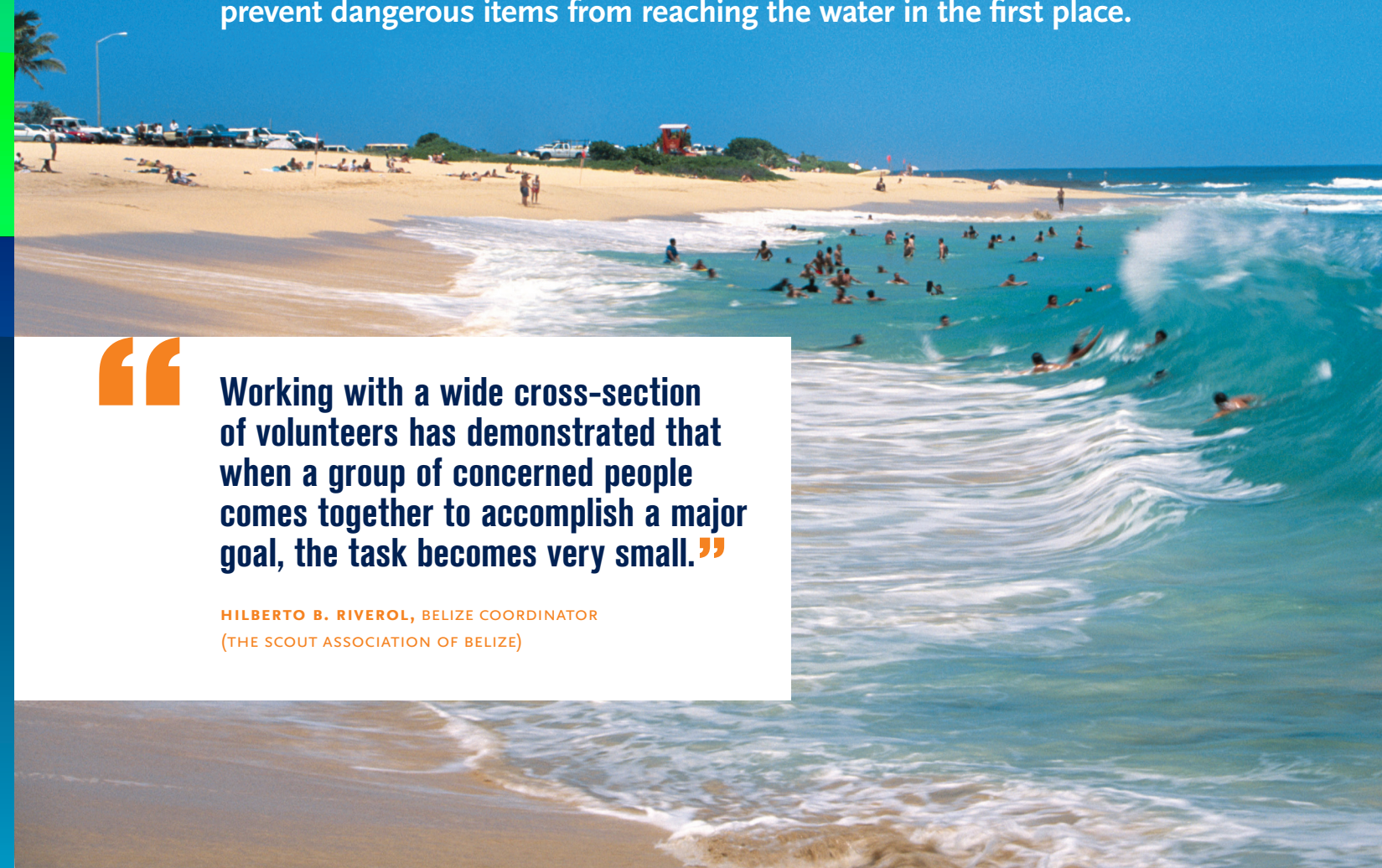
As this report demonstrates, the body of data from the International Coastal Cleanup has inspired action to rid the ocean of harmful trash. Cleanups alone, while powerful tools for gathering data and raising awareness, cannot solve the problem. Individuals, governments, nongovernmental organizations, and corporations are stepping up to prevent dangerous items from reaching the water in the first place.

Ocean Conservancy

Ocean Conservancy promotes healthy and diverse ecosystems and opposes practices that threaten ocean life and human well-being. Through research, education, and science-based advocacy, Ocean Conservancy informs, inspires, and empowers people to speak and act on behalf of the ocean. In all its work, Ocean Conservancy strives to be the world’s foremost advocate for the ocean.

The International Coastal Cleanup

In partnership with volunteer organizations and individuals across the globe, Ocean Conservancy’s International Coastal Cleanup engages people to remove trash from the world’s beaches and waterways, to identify the sources of debris, and to change the behaviors that cause marine debris in the first place.



Working with a wide cross-section of volunteers has demonstrated that when a group of concerned people comes together to accomplish a major goal, the task becomes very small.”

HILBERTO B. RIVEROL, BELIZE COORDINATOR
(THE SCOUT ASSOCIATION OF BELIZE)

AN ENDURING ALLIANCE FOR TRASH FREE SEAS



Over the past quarter of a century, Ocean Conservancy has demonstrated a deep commitment to ridding our coasts and waterways of harmful trash and protecting and promoting ocean health. A critical part of our effort has been our leadership of the International Coastal Cleanup, the world's largest volunteer effort for the ocean. In this report, you'll see examples of the changes we have inspired and helped to bring about, from stronger local ordinances, to groundbreaking global agreements, to changes in corporate practices.

Through the Cleanup, we've inspired millions of volunteers in more than 150 countries and locations to be part of a global movement—one that has made the world's ocean and inland waterways cleaner, safer, and more prosperous. Here, you'll learn about the remarkable people at the heart of the Cleanup, from our volunteers to our partners, and you'll see why our collective commitment has

the potential to become an even stronger alliance to bring real change to the ocean.

Volunteers don't just clean up; they tally every item they find during the annual event. The 166 million pieces of trash recorded over the last 25 years have given us an invaluable snapshot of ocean trash, from Argentina to Vietnam. The data focus our attention on where we can best work together to reduce, remove, and reinvent. They have guided the decisions of corporations and governments, and built awareness in countries around the world.

The International Coastal Cleanup has grown into a remarkable international alliance of individuals, nonprofits, corporations, and governments. We are different in so many ways; but what unites us is the determination that our children should enjoy an ocean brimming with wildlife, not teeming with trash.

We must continue to mobilize Cleanups for our beaches, ocean, and waterways. But to truly solve this problem, we must prevent trash from reaching the water in the first place—by working together to pioneer new and lasting solutions. Last September, Ocean Conservancy and the Coca-Cola Company hosted a Marine Debris Summit in Washington, DC, where top thinkers from science, industry, government, and nongovernmental organizations shared knowledge and innovative approaches. This spring, we'll join the Fifth International Marine Debris Conference in Hawaii, where the National Oceanic and Atmospheric Administration (NOAA) and the United Nations Environment Programme will bring together many other like-minded participants.

With support from NOAA, Ocean Conservancy is also launching an online campaign

to build an even stronger collaboration around the issue of ocean trash. We'll help facilitate progress at the global, national, state, and local levels, sharing success stories from one corner of the world that can be replicated elsewhere. We'll support more and better science, and we'll translate that science so it is easily accessible to all, through avenues like our new website. Through the Clinton Global Initiative, we'll seek to engage industry even more deeply in our shared work to pioneer lasting solutions.

In the coming months, we'll bring these exciting pieces together under a new umbrella: We're calling it the Trash Free Seas Alliance.

And how about you? We invite you to join us. Tell us what you'll be doing for our ocean in the coming year. Visit www.oceanconservancy.org/trashfreeseas and learn about "one month, one minute, one thing"—steps you can take to contribute to our shared vision of an ocean free of trash.

For 25 years, our alliance has made amazing advances for the health of our ocean. But now we must redouble our efforts. Together, we must use the next 25 years to secure a more enduring goal: a future in which the concentration of trash in our ocean has been consigned to the dustbin of history.

For a sea change,

VIKKI SPRUILL
PRESIDENT AND CEO,
OCEAN CONSERVANCY

"TO THE SEA"



Many of us have a strong personal tie to the ocean. For me, that connection came from my father, who shared his passion for the sea, especially through his love of sailing and surfing. My album and 2010 concert tour, both called "To The Sea," honored these relationships, father and son, human and sea.

We should all cherish—and care for—our ocean. As a surfer growing up on the North Shore of Oahu, I gained a profound respect for the ocean at a young age. As a musician and surf filmmaker lucky enough to travel the world, I have connected with many people along many coastlines.

I just returned home from a world tour. In Perth, Australia, I had the pleasure of working side-by-side with volunteers from Tangaroa Blue at a local beach cleanup. These people

and countless more around the world, in association with other great organizations both big and small, are cleaning up our oceans one piece of trash at a time. But we can't rely on these wonderful groups to do all of the work. The solutions are not only about reacting to the problem. We need prevention.

Great strides are being made with legislation including bans against single-use plastics and other pollutants that riddle our waterways. I encourage you to stay educated on these issues and to use your voice to effect policy change. But your daily actions have the greatest impact to create a cleaner future for our oceans: simple things such as carrying your own reusable bag and water bottle, buying products with less packaging, and consuming less in general.

At our shows, we invited fans to bring reusable water bottles, and we provided water stations with filtered tap water. Whenever we eliminate single-use items in our lives, we cut back on the trash filling the ocean and waterways. The response has been great. On our US tour this past summer, over 55,000 plastic bottles of water were displaced as the result of our All At Once water stations, and more than 6,000 fans took the "Filter For Action" pledge to make the switch from bottled water to reusable water bottles. We also offered recycling and composting options wherever we could on tour, to reduce the amount of trash headed for the landfill.

Our label, **Brushfire Records**, uses Forest Stewardship Council-certified recycled paper for all music and movie releases. The company

donates at least one percent of every album's income to environmental nonprofit groups. We feel it is important to try to make the industry we are a part of less wasteful and more responsible. It is important for everyone to be inspired to make positive changes, both at home and in the workplace.

As a global community that shares one ocean, we are getting there. I've been amazed by the outpouring of response to the greening measures at our shows and online to our **All At Once** campaign [www.allatonce.org]. Your actions, your voices, your choices all have a huge impact.

My wife Kim and I are committed to inspiring change in our own community through the **Kokua Hawaii Foundation** and around the world through the **Johnson Ohana Charitable Foundation**. At home, we watch our children's respect for the ocean grow every day. It is for them that we are personally committed to minimizing our ecological footprint. Wherever you live, you can make a positive impact, too.

And I hope you'll start today. Because an individual action, multiplied by millions, creates global change. Together, we can clean up our ocean...for our children, and their children.

Aloha,

JACK JOHNSON
MUSICIAN, SURFER,
ENVIRONMENTALIST

THE POWER OF POLICY

The body of data collected over 25 years by International Coastal Cleanup volunteers has helped inform lawmakers. In 1987 Ocean Conservancy published one of the first studies to identify plastics as a significant threat in the ocean, *Plastics in the Ocean: More than a Litter Problem*. Data cited in that report helped illustrate the problem for the US Congress, which soon enforced restrictions against dumping plastic trash items at sea by adopting Annex V of the International Convention for the Prevention of Pollution from Ships, known as MARPOL 73/78 Annex V. The Cleanup data have been cited in numerous reports, including a 2009 United Nations Environment Programme/Ocean Conservancy publication *Marine Litter: A Global Challenge*. Cleanup data informed passage of the 2006 Marine Debris Research, Reduction, and Prevention Act, as well as California's state marine debris action plan.

Policies to Keep Trash Out of the Ocean

The International Coastal Cleanup has helped inform and inspire policies to prevent ocean trash, including:

- ▶ US adoption of the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78 Annex V)
- ▶ California Marine Debris Action Plan
- ▶ Municipal laws against smoking-related litter
- ▶ Laws prohibiting mass balloon releases
- ▶ Laws encouraging reusable bags

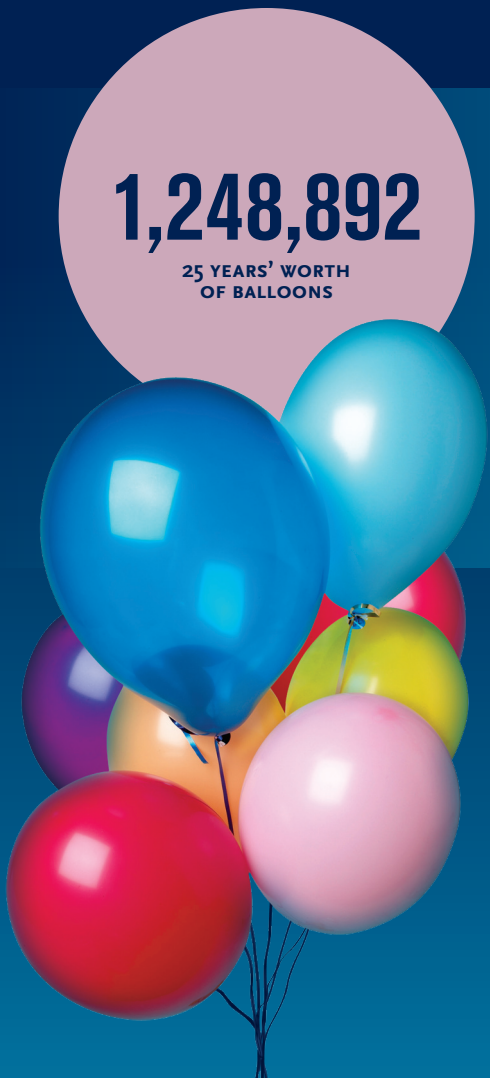
Getting Butts Off the Beach

"Unfortunately, as it is at most shorelines around the world, the cigarette butt is Chicago's number-one Cleanup item. Because of the Alliance's longstanding work on the Cleanup, and the subsequent creation of the Adopt-a-Beach™ program, volunteers in Muskegon, Michigan, led a successful campaign (using Cleanup and Adopt-a-Beach™ data) to ban smoking on beaches county-wide. Following that success, in late 2008 the Chicago Park District enacted a change in its beach-use policy that prohibited smoking and discarding of smoking paraphernalia on all of Chicago's beaches."

FRANCES CANONIZADO, ILLINOIS AND INDIANA COORDINATOR (ALLIANCE FOR THE GREAT LAKES)



52,907,756
25 YEARS' WORTH OF CIGARETTE BUTTS/FILTERS



1,248,892
25 YEARS' WORTH OF BALLOONS

Balloons: After the Party's Over

Balloons, so light and buoyant, can travel many miles in the air and in the water. Initially festive, these brightly-colored symbols of celebration unfortunately pose dangers long after the special occasion has passed. Their strings and ribbons entangle wildlife. Marine animals like endangered sea turtles that mistake balloons for food can choke or develop often-fatal digestive problems.

In 1990, Cleanup volunteers picked up 30 pounds of balloons on the Virginia portion of Assateague Island, and analysts identified 52 separate sources in six states. (Balloons are often imprinted with the name of a business or event.) Ocean Conservancy presented the data—and the balloons—to the Virginia General Assembly, and in 1991 the state legislature passed a law prohibiting mass balloon releases; other states followed.



7,825,319
25 YEARS' WORTH OF PLASTIC BAGS

The Ubiquitous Bag

Bags, including single-use, plastic shopping bags, are one of the top items found by Cleanup volunteers, who pick them up by the tens of thousands. Chances are, you'll see one in your neighborhood on any given day, blowing on the wind toward the storm drain or stream that could carry it to the ocean where it could threaten wildlife. From San Francisco, California, to Ireland and Italy, a movement toward reusable bags is growing:

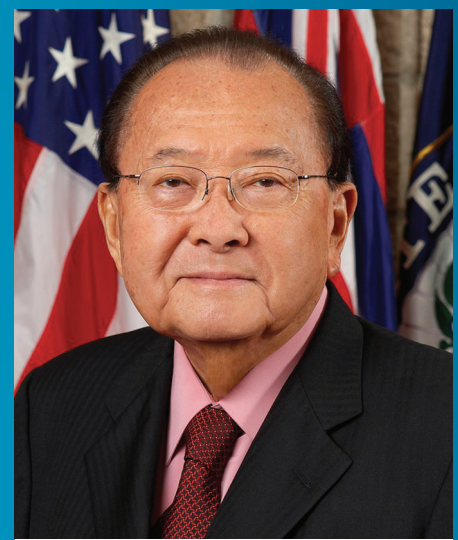
- ▶ In Washington, DC, the "Skip the Bag, Save the River" campaign let residents know about the new five-cent bag fee on single-use paper and plastic shopping bags. In January 2010, use dropped to 3 million, compared to a monthly average of 22.5 million in 2009. Money collected for bags goes to the Anacostia River Cleanup Fund.
- ▶ In China, the world's top consumer of disposable shopping bags, a 2008 law made it illegal for stores to give away plastic bags. Owners could sell them at any price higher than the initial cost. One study showed that consumers who used an average of 21 new bags a week dropped their use by half and began to reuse the disposable bags they did acquire.
- ▶ A ten-cent fee for plastic bags in many parts of California's Los Angeles County is projected to reduce use by inspiring 1.1 million consumers to choose reusable versions.
- ▶ When Ireland launched a shopping-bag levy in 2002, bag use fell by 90 percent.
- ▶ In 2007, San Francisco became the first US city to ban single-use shopping bags.
- ▶ On January 1, 2011, Italy became the first country to ban plastic single-use shopping bags nationwide.

ALL PARTNERS AGREE:

WE NEED TRASH FREE SEAS

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DEMOCRATIC SENATOR
Daniel K. Inouye
HAWAII

Democratic Senator Daniel K. Inouye of Hawaii, sponsor of the Marine Debris Research, Prevention, and Reduction Act, made the following remarks on September 25, 2010, on the 25th anniversary of the International Coastal Cleanup:

“Today we celebrate and commend Ocean Conservancy for its dedication to raising awareness about the growing problem of marine debris over the past 25 years. In many ways, the world’s marine debris converges on Hawaii. Ocean currents gather and deposit debris from across the Pacific onto our shores. Endangered animals like the Hawaiian monk seal and humpback whale can become entangled, injured, or killed by derelict fishing nets and other items. The International Coastal Cleanup is a first step to finding solutions. By understanding sources of marine debris, we can work together to solve this problem.”

I was proud to sponsor the introduction of the Marine Debris Research, Prevention, and Reduction Act, which was signed into law in 2006. The Act established marine debris programs for the National Oceanic and Atmospheric Administration (NOAA) and the US Coast Guard. I hope that I will have the opportunity to play a similar role in the reauthorization of the act, and I am delighted that the Fifth International Marine Debris Conference will be held in my home state of Hawaii in March of 2011.

All ocean and marine initiatives ultimately depend on the citizens who comprise our communities. They must understand the importance of preserving and protecting our oceans, and the International Coastal Cleanup continues to advance that goal.”



REPUBLICAN SENATOR
Olympia Snowe
MAINE

Republican Senator Olympia Snowe of Maine, who represents a state with more than 5,000 miles of coastline, actively seeks to protect not only the coastline, but also local communities by supporting solutions to trash in the ocean:

“From lost longlines ghost fishing their way through the water column to degraded plastic detritus fields that we measure by comparing their scope to the land area of entire states, marine debris is a scourge upon our world’s oceans. Enactment of the Marine Debris Research, Prevention, and Reduction Act in 2006 enabled NOAA and its partners to take action to clean up our waters and coastlines and to carry out fundamental research to help determine the true extent of the harm marine debris can inflict on our ecosystems and on human health. As Ranking Member on the Senate Subcommittee on Oceans, Atmosphere,



Fisheries, and Coast Guard, I will work with my colleagues in Congress in the coming years to reauthorize and strengthen the act to continue combatting this problem.”

Here’s what International Coastal Cleanup Coordinators have to report about policy where they live:



“One of the glaring gaps we noticed when we were developing the California Marine Debris Implementation Strategy is the lack of geographically broad, scientific data on the scope of the marine debris challenge. The International Coastal Cleanup data helped us fill an enormous need by showing trends in accumulation over time, allowing us to design management measures that address the most prevalent forms of debris as well as those that cause the most damage once they enter the marine environment. Future data will allow the state of California to evaluate the effectiveness of these measures over time, as our Coastal Cleanup volunteers hopefully find less and less of the debris that we have tried to address. We would simply not be able to develop effective solutions to the problem if not for the power of this volunteer effort.”

EBEN SCHWARTZ, CALIFORNIA COORDINATOR
(CALIFORNIA COASTAL COMMISSION)

“We celebrated the first anniversary of a plastic bag levy that Ecovision has been lobbying for since 1999 on World Ocean Day this year. The Hong Kong Secretary for the Environment, Mr. Edward Yau, said he was delighted that the levy scheme on plastic shopping bags had successfully transformed the public’s shopping habits and they were using far fewer plastic shopping bags since the implementation of the scheme....The indiscriminate use of plastic shopping bags had always been one of the major waste management problems in Hong Kong, and we used to collect thousands and thousands off Hong Kong’s beaches. *This year, we found practically none.*”

LISA CHRISTENSEN, HONG KONG COORDINATOR
(ECOVISION ASIA)



We do like to hope that our efforts to educate Canadians about the effects of shoreline litter have influenced some important decision making throughout Canada. Smoking is now banned in Vancouver parks/beaches; many grocery store chains and retail stores charge for (or no longer offer) plastic bags; and some towns have eliminated bottled water from public events and put forth emphasis on tap water.”

JILL DWYER, CANADA COORDINATOR (GREAT CANADIAN SHORELINE CLEANUP, A PROGRAM OF THE VANCOUVER AQUARIUM)

“When a city council member introduced a bill into the Baltimore City Council to require deposits on beverage bottles, I relied on the debris data to help support the bill by showing that over 11,000 plastic bottles were collected in one day during Maryland’s International Coastal Cleanup.”

GERI SCHLENOFF, MARYLAND COORDINATOR



REINVENT: NEW IDEAS REDUCE OCEAN TRASH

PRODUCT INNOVATION

Over the past 25 years, items reported by Cleanup volunteers have helped inspire industry to make changes to protect the ocean. Here are a few innovations that have made a difference:

Salt Maker's Solution

In 1990, Cleanup data analysts noted that many volunteers in the Gulf of Mexico reported finding blue plastic bags of Morton's "Ship 'n Shore" salt, used by commercial shrimpers to keep their catch fresh. Morton wasn't responsible for the improper disposal of its packaging, yet they took action when the Cleanup data highlighted the problem. First, the company encouraged people to take advantage of the option to purchase the salt in paper bags that degrade relatively quickly in the water, rather than the long-lasting plastic package. And Morton took the additional step of adding messages reminding shrimpers to take care: "Don't be a Litter Boat" and "Stow It, Don't Throw It."



9 Million
MILES OF FISHING
LINE RECYCLED

Fishing Line: Reeling It Back In

When Cleanup volunteers find entangled wildlife, fishing line is the number-one culprit. Creatures like birds and dolphins entangled in fishing line can have trouble moving, breeding, and feeding—and they can even drown. Line also jams boat propellers, causing expensive repairs and delays.

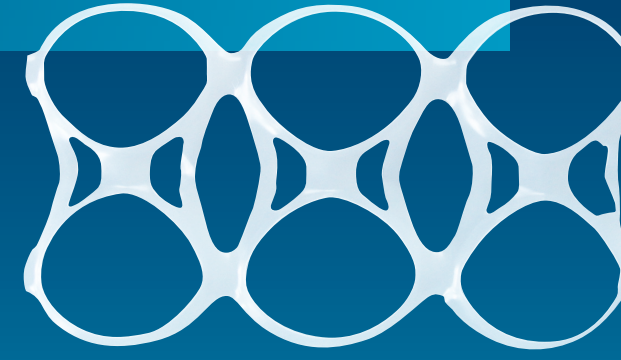
Municipal recycling plants are simply not equipped to handle certain plastic items, including fishing line. So Berkley, a leading supplier of fishing tackle, gives fishermen and others a solution. Stores and marinas collect the line in recycling bins and send it to Berkley in bulk; individuals can also mail what they've collected directly to Berkley Recycling. Since 1990, the Berkley Conservation Institute has recycled more than 9 million miles worth of fishing line, enough to fill two reels for every angler in America.

12,000
SCHOOLS AND GROUPS
RECYCLING SIX-PACK
HOLDERS

Innovating to Protect Wildlife

When Cleanup volunteers reported encountering marine animals entangled in six-pack holders, leading manufacturer ITW Hi-Cone decided to make a safer product. The company created a new, photo-degradable plastic in 1988.

Within weeks of exposure to sunlight, the material breaks down and breaks apart with the force of waves, wind—or an entangled animal's movements. (The process takes three to four weeks in summer and three to four months in winter.) The company also came up with a design that enabled six-pack rings to split in half easily, reducing threats to wildlife like seals that might come into contact with them.



2.5 Billion
PLANTBOTTLES PRODUCED
IN 2010

Better Bottles

In 2009, the Coca-Cola Company launched the first-ever 100 percent recyclable PET plastic beverage bottle made partially from plants. PlantBottle™ packaging is made with up to 30 percent plant-based materials by using an innovative process that turns sugar cane and molasses into a key component of PET, which reduces its carbon impact and minimizes dependency on nonrenewable materials. Over 2.5 billion PlantBottle™ packages were introduced to nine markets by the end of 2010.

The Coca-Cola Company, a global partner of the International Coastal Cleanup, is exploring the use of other plant materials for future generations of bottles. The company's ultimate goal is a carbon-neutral, 100 percent renewable, responsibly sourced and recyclable bottle. More recycling means fewer bottles in the water.

NEW ORGANIZATIONS

NEW PARTNERSHIPS

10

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Catalyst for Change

The International Coastal Cleanup connects people and organizations across the world and inspires new entities and new partnerships that strengthen the movement to address ocean trash. After the very first Cleanup in 1986, the Texas General Land Office launched Adopt-a-Beach, a year-round effort to protect beaches, and many other locations have done the same over the past 25 years.

United Against Ocean Trash

Partnerships and organizations inspired by the International Coastal Cleanup include:

- ▶ The Great Canadian Shoreline Cleanup, a program of the Vancouver Aquarium
- ▶ Scuba Dogs Society (Puerto Rico)
- ▶ Urban Harbors Institute-University of Massachusetts
- ▶ The Center for Alaskan Coastal Studies
- ▶ Our Sea of East Asia Network (OSEAN)
- ▶ Dominica Youth Environment Organisation, Inc.
- ▶ Texas General Land Office Adopt-a-Beach Program
- ▶ 1990 California Marine Debris Steering Committee and Action Plan

Coordinators talk about some of the other partnerships and organizations that have come about:

“What started 17 years ago as a small group of Vancouver Aquarium employees cleaning up a local beach and submitting their data to the International Coastal Cleanup has grown into the Great Canadian Shoreline Cleanup, with tens of thousands of participants from every province and territory across Canada.”

JILL DWYER, CANADA COORDINATOR (GREAT CANADIAN SHORELINE CLEANUP, A PROGRAM OF THE VANCOUVER AQUARIUM)

“The Cleanup work has strengthened a partnership between the Massachusetts Office of Coastal Zone Management (CZM) and the Urban Harbors Institute (UHI) at the University of Massachusetts-Boston. For the past several years, CZM has contracted with UHI to coordinate the COASTSWEEP program, which is Massachusetts’ marine debris removal program. COASTSWEEP begins in September and lasts through the end of October. The annual kickoff for COASTSWEEP coincides with the Cleanup, and all data from the COASTSWEEP program are submitted to the Cleanup.”

KRISTIN UITERWYK, MASSACHUSETTS COORDINATOR (URBAN HARBORS INSTITUTE-UNIVERSITY OF MASSACHUSETTS)

“Since 2001, we have been using Ocean Conservancy’s data cards to monitor marine debris in the state. Because of our partnership with the Cleanup, we have become more motivated to clean our beaches and more effective at keeping records of the marine debris found. This has spurred growth of our program and has helped us to spread marine debris cleanups throughout the state.”

PATRICK CHANDLER, ALASKA COORDINATOR (CENTER FOR ALASKAN COASTAL STUDIES)

“Last year I established my own organization, Our Sea of East Asia Network (OSEAN), a nonprofit organization focusing on only marine debris. This year, OSEAN and JEAN (Japan Environmental Action Network) have shared a vision in which people in East Asia could act together as one community in protecting our precious marine ecosystems. We believe that NGOs in the East Asian countries have an important role in sharing experiences and acting together to address the marine debris issue in the region from the bottom up.”

SUN WOOK HONG, KOREA COORDINATOR (OUR SEA OF EAST ASIA NETWORK)

“Our Cleanup work has led to the creation of the Alliance for the Great Lakes Adopt-a-Beach™ program, which enables volunteers to visit their beaches to remove debris and track what they find year-round.”

FRANCES CANONIZADO, ILLINOIS AND INDIANA COORDINATOR (ALLIANCE FOR THE GREAT LAKES)

“The Chennai branch of the Indian Maritime Foundation was inaugurated in 2009 to spread activities along the Tamilnadu and Pondicherry coasts (1,000 kilometers total) of which 207 were covered in the 2010 Cleanup. The aim is to cover the entire coast within the next five years.”

ADMIRAL K.R. SRINIVASAN, INDIA-CHENAI COORDINATOR (INDIAN MARITIME FOUNDATION)

“We helped create the Liceo Naval Galapagos (Navy Lyceum Galapagos) in 1998, which soon became part of the Navy’s own prestigious school system...we forged a partnership focused on the support and development of their environmental education programs. Nowadays the school is one of the main supporters of Ocean Conservancy’s International Coastal Cleanup. Other local schools have followed suit based on the educational success of it, and have joined us in the fun.”

MIGUEL MOSQUERA, ECUADOR-GALAPAGOS COORDINATOR (FUNDACIÓN ECOLÓGICA ALBATROS)



“The Cleanup has led me to form the Dominica Youth Environment Organisation, Inc., in 1995. Our mandate is to be the leading youth environment and development network in Dominica responsible for creating an appropriate space for young people to participate in the design, development, implementation, and promotion of new, progressive, equitable, innovative, and sustainable environmental, economic, and social development policies and programs across the wider Caribbean.”

TERRY RAYMOND, DOMINICA COORDINATOR (DOMINICA YOUTH ENVIRONMENT ORGANISATION)



COORDINATORS

Sea Stars of the International Coastal Cleanup

For each country, location (such as territories), and US state that hosts the International Coastal Cleanup, there is one extraordinary person who works all year long to coordinate events every September and October. These remarkable individuals volunteer hundreds and hundreds of hours. Some, like Joan Hauser-Crowe of Washington, work from their homes as private citizens. Others connect with the Cleanup through their day-jobs with companies, nonprofits, or government agencies working on ocean and water quality issues (see the full list of 2010 Coordinators and their affiliations on page 40).

Extraordinary Devotion

Their responsibilities are numerous. These hard-working men and women scout out locations to be cleaned. They engage local sponsors who provide everything from coffee and water to T-shirts and work gloves for

volunteer crews. They may also find sponsors to supply proper disposal of all the trash collected at the end of the day. And, of course, Coordinators put the word out in the community inviting everyone from families, neighbors, and co-workers to scouts and church groups to join in at local rivers, lakes, streams, and beaches.

They coordinate all of this with the help of Zone and Site Captains who each take responsibility for specific Cleanup sites. Ocean Conservancy supports this thriving Coordinator network by providing resources like training through online webinars and conferences along with data cards and other key materials.

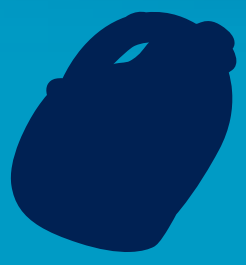
When the Cleanup is complete, the trash is properly disposed of, and everyone goes home, but Coordinators still have work to do. They make certain that the all-important data so carefully collected reaches Ocean Conservancy. And then they take a deep breath and start planning the next Cleanup.



BRAZIL

In 2006, we coordinated the Cleanup in three provinces of Vietnam's central coast. We helped train local officials and community members on how to collect debris, organize waste awareness activities, and hold events. And 1,000 volunteers removed over 40,000 items of trash.

NGUYEN THI THU TRANG,
VIETNAM COORDINATOR (CENTRE FOR MARINELIFE CONSERVATION AND COMMUNITY DEVELOPMENT)



25 YEARS OF MAKING (CLEANER) WAVES Barbara Cohen

COORDINATOR, NEW YORK
AMERICAN LITTORAL SOCIETY



After 25 years with the International Coastal Cleanup, one thing is for sure: Barbara Cohen has seen a lot of trash. And yet what she remembers most is not the debris she has collected

from shorelines, but the people who have worked beside her. "There is excitement," she says, "in developing relationships with strangers full of ideas and a strong desire to make this a cleaner world."

Barbara first started cleaning beaches in 1986 after becoming fed up with trash on the shores of Jamaica Bay. That year, there were a hundred volunteers on four sites in New York. In 2010, under her leadership, 9,235 volunteers came out to 276 different sites around the state. Barbara, an educator, says, "This is what the Cleanup is really about: educating our citizenry to be aware of the part they can play in making our world cleaner, healthier, and more beautiful."

In 2004, *Parade Magazine* featured this extraordinary volunteer; in 2002, *Newsday* named her an "Everyday Hero." And, in perhaps the biggest testament to her impact, she was honored by Robert Kennedy, Jr., and presented with the Environmental Quality award from the US Environmental Protection Agency in 1997.

After 25 years of leaving parts of her life on hold, Barbara is retiring from her Coordinator position. Looking back on the relationships she and her husband of 59 years have formed with other volunteers, she observes, "How fortunate I am to have had this experience in my lifetime!"

WE ARE FAMILY Jasmine Bannis

COORDINATOR, BRITISH VIRGIN ISLANDS (BVI)
BVI CONSERVATION AND FISHERIES DEPARTMENT



Jasmine Bannis, now in her tenth year with the International Coastal Cleanup, says she has never felt more connected to the world around her. From meeting Cleanup volunteers to shar-

ing success stories with Coordinators from other hemispheres, Jasmine says, "The Cleanup is like a family. Even though we have diverse personalities and cultures, we all come together to share the same goal."

Jasmine's involvement started in 2000, and she immediately knew she had found a special calling: "I have grown to love the Cleanup and I am determined to be the best in whatever my hands find to do." A poet, Jasmine points out that her work with the Cleanup is not so different from her creative drive: both express her passion for the environment and her optimism for the future. She explains, "Without hope, there is no life. You can't live in an area without life."

She takes active steps to make sure her optimism leads to real change in the environment. To maintain healthy beaches year-round, she organizes groups to take responsibility for specific areas around the island. "We may not know what the future holds for our environment," she notes, "but we do know what we can do—educate, and continue to fight for a clean world."

ONLINE NETWORKING, OFFLINE RESULTS Carolina Guisande

COORDINATOR, DOMINICAN REPUBLIC

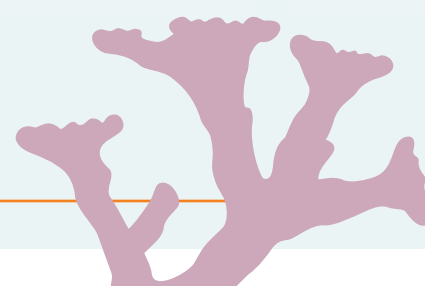


Acquiring several thousand Facebook fans over the course of two months generally demands some level of celebrity status. Carolina Guisande, one of two Coordinators for the Dominican

Republic, could easily be described as a Cleanup rock star. Through three years of work with the local organization Fundación Vida Azul, this vibrant young woman has helped catapult the tiny Dominican Republic into the top ten participating countries. "I'm a dreamer," she says, "but I'm not just a dreamer—I'm making things happen."

Through Vida Azul's Facebook page, she and other volunteers who manage it have connected with thousands of people passionate about keeping the Dominican Republic clean. Carolina values social media for the ability to bring groups together—especially people of different income levels who were in separate school systems and may never have found each other offline. These volunteers are now able to share pictures, comments, and even songs about the Cleanup. Most importantly, people use Facebook to spread the word, and it's working; this year, the Dominican Republic turned out over 27,000 volunteers, nearly tripling last year's number.

Carolina aspires to teach the next generation to ask themselves, "If this is just going to become garbage, do I really need it?" She observes, "We think the world owes us something, but it is the other way around. We owe the world—including the ocean—everything."



LEADERS FOR TRASH FREE SEAS



"A few years ago, I had a nine-year-old who gave up his birthday party to be able to volunteer for the Cleanup. He believed so much in a clean environment and felt so good taking part that the next year he asked his friends to donate to Ocean Conservancy instead of buying birthday presents for him!"

LENI HERR, PENNSYLVANIA COORDINATOR
(VERIZON TELEPIONEERS)



"By the end of the event I saw the headphones put away and students interacting and laughing with the adults. And, perhaps best of all, I saw a real understanding in them about the problem of marine debris and an interest in being part of the solution."

MARCIA TAYLOR, ST. CROIX, USVI COORDINATOR
(UNIVERSITY OF THE VIRGIN ISLANDS)



"On September 11, 2001, we had American flags at all 30 zones, and the turnout was one of the largest we ever experienced. We had the support of all corporate sponsors, state agencies, zone captains, and volunteers. It was one of those things that gave people a positive opportunity to express themselves during this time of uncertainty and turmoil for our country."

SPENCER RYAN, ALABAMA (ALABAMA PALS)



"The first International Coastal Cleanup I took part in—as a volunteer in 1994—hooked me! I loved the data collection. It makes our impact last beyond the day of the Cleanup and helps us understand more about the 'hand behind the litter.'"

KATIE REGISTER, VIRGINIA COORDINATOR
(CLEAN VIRGINIA WATERWAYS)



"I think that my most meaningful experience was when I saw the volunteers arriving at the beach the second year that I organized the Cleanup, as we went from a small group of 114 in 2004 to more than 1,000 in 2005."

ALEJANDRA LOPEZ DE ROMAN, MEXICO
(CLUB REGATAS CORONA, A.C.)



"It is so moving to see entire families at the end of the Cleanup, proud of their hard work and happy to have shared time together in service."

LIZA GONZALEZ, NICARAGUA (PASO PACIFICO)



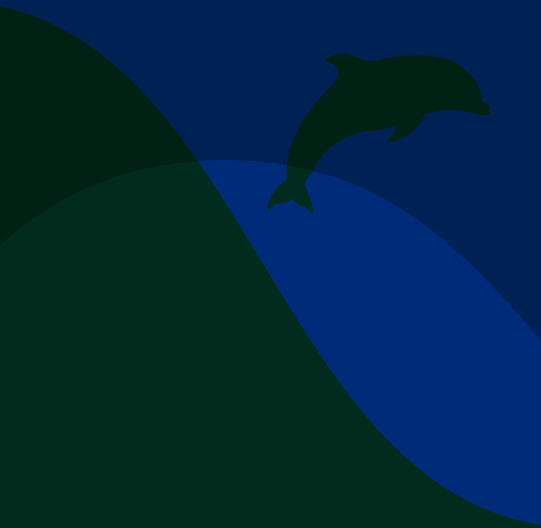
"In 2008 there was something in the air—a spirit of service, of public engagement, a desire to give back—and our volunteer numbers were outstanding. It was great to see so many come out and care for the Great Lakes."

FRANCES CANONIZADO, ILLINOIS
AND INDIANA COORDINATOR
(ALLIANCE FOR THE GREAT LAKES)



"We thoroughly enjoyed the collaborations between jet skiers, kayakers, divers, and beach lovers. It was great to know people with different interests have one thing in common: the protection of our fragile environment."

ALAN W.K. TAN, BRUNEI COORDINATOR
(BEACH BUNCH)





PARTNERS

True-Blue Partners, in Every Sense

Partners make the work possible; they build the foundation that supports the incredible worldwide volunteer network. These generous companies, government agencies, and organizations not only provide essential funding, but also share their expertise with Ocean Conservancy to help carry the worldwide movement forward. They act on solutions and help get volunteers out in their communities.

Inspiring Employees to Live Blue: Employee Activation

Many partners make a special effort to educate their employees about the impacts of ocean trash and how to change their own behaviors to help stop it. Companies invite staff to come out and learn together through the hands-on experience of the Cleanup, often creating special T-shirts for their teams and encouraging them to bring along family members as well as friends from the local community.

As part of its \$20 billion, ten-year initiative to address climate change, Bank of America has supported the International Coastal Cleanup for the past several years, inspiring thousands of associates to join in Cleanup events across the United States and around the world. In 2010 alone, the bank sponsored a dozen events, from Seattle and San Diego to Hong Kong and Brazil. "As a global company committed to addressing climate



HONG KONG

change, Bank of America's partnership with Ocean Conservancy is an extremely effective way for us to combine our philanthropic giving with associate volunteer opportunities."

The Coca-Cola Company activated a global employee engagement campaign around this year's Cleanup. They called it "Pick it up, Clean it Up, Sea Change!" and it involved the use of office signage, social media, and more to remind employees why the sea is worth protecting. In its Atlanta headquarters, huge photographs gave people the feeling they were underwater with whales and other sea creatures.

"Employees and visitors walked into the lobby and were amazed to be surrounded by the beauty of the ocean," said April Crow, Global Manager of Sustainable Packaging at The Coca-Cola Company. "Perhaps equally amazing was the 26,000 plus Coca-Cola employees, friends, and family members in 34 countries who participated in the 25th anniversary International Coastal Cleanup. We are very proud of our association with this important movement to protect the ocean and the creatures that call it home." Coca-Cola volunteers gave more than 200,000 hours to clean beaches and record data, from Azerbaijan to Venezuela. The largest turnout was in Brazil, where Coca-Cola engaged more than 9,000 volunteers in Cleanup activities.

Just as very special global partners support the International Coastal Cleanup as a whole, partners on the local level provide funding, materials, and all kinds of assistance when it comes to individual events.

“We are proud to support and work alongside Ocean Conservancy, helping to remove debris and create awareness that healthy and cleaner oceans and waterways will be better positioned to adapt to the impacts of climate change.”

BANK OF AMERICA



UNITED KINGDOM

SPONSORS EXPLAIN THEIR COMMITMENT TO THE CLEANUP

THE COCA-COLA COMPANY

"We are proud to be a longstanding partner with Ocean Conservancy, working toward sustainable solutions to the marine debris issue through the International Coastal Cleanup and other programs."

BANK OF AMERICA

"Bank of America is proud to partner with Ocean Conservancy to restore the vitality of our ocean and waterways. This year's International Coastal Cleanup provided a tangible way to fight for a thriving ocean and address climate change for our associates, who volunteer in Cleanups around the world."

ALTRIA GROUP, INC.

"Altria Group, Inc., is committed to reducing the environmental impact of its businesses. We are proud to support Ocean Conservancy's efforts through grants and volunteer activities that help reduce the amount of litter in waterways."

BOOZ ALLEN HAMILTON

"Booz Allen Hamilton, a strategy and technology consulting firm, is committed to delivering results that endure and is proud to partner with Ocean Conservancy to help protect the ocean for future generations."

THE DOW CHEMICAL COMPANY

"Dow is proud to have sponsored the Cleanup efforts for the last 25 years. We value our relationship with Ocean Conservancy and their dedication in developing global solutions and public education needed to change the behaviors that cause marine debris and litter."

NOAA

"The National Oceanic and Atmospheric Administration Marine Debris Program is proud to participate in and partner with Ocean Conservancy on this Cleanup. By working together we can all make a difference in solving the problem of marine debris."

THE SOLO CUP COMPANY

"Proper disposal of single-use products is critical to the health of our oceans and waterways. Our partnership with Ocean Conservancy enables Solo employees to make a difference and helps us educate the public about options and proper disposal of single-use products."

BRUNSWICK PUBLIC FOUNDATION

"Brunswick Foundation supports Ocean Conservancy in encouraging environmentally responsible behavior on the water. With the boaters we serve, we seek to maintain and protect our invaluable ocean and waterways."

US ENVIRONMENTAL PROTECTION AGENCY

"For 25 years, the Environmental Protection Agency has been proud to sponsor the Cleanup, allowing volunteers to witness how trash from streets travels to our waterways."

SPECIAL THANKS

The International Coastal Cleanup benefits enormously from relationships with partners so deeply committed to creating solutions to ocean trash, and we thank them.

2010 INTERNATIONAL COASTAL CLEANUP SPONSORING PARTNERS

LEAD SPONSORING PARTNER
THE COCA-COLA COMPANY

BLUE PLANET PARTNERS
BANK OF AMERICA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

LIVING WATERS PARTNERS

ALTRIA GROUP, INC.
BOOZ ALLEN HAMILTON
THE DOW CHEMICAL COMPANY

HEALTHY BAY PARTNERS

BRUNSWICK PUBLIC FOUNDATION
THE SOLO CUP COMPANY

RIVERS AND STREAMS PARTNERS

ITW
NATIONAL MARINE SANCTUARY FOUNDATION

LAKES AND MARSHES PARTNERS

COVANTA ENERGY
O-I
UNFI
US ENVIRONMENTAL PROTECTION AGENCY
THE WALT DISNEY COMPANY

OUTREACH PARTNERS

EARTH DAY NETWORK
KEEP AMERICA BEAUTIFUL
PROJECT AWARE FOUNDATION
UNITED NATIONS ENVIRONMENT PROGRAMME

25-YEAR PARTNERS



The US Environmental Protection Agency (EPA)

The International Coastal Cleanup has seen many changes since its inception in 1986, but one aspect has remained constant: a strong relationship with the US Environmental Protection Agency (EPA). Before the first official Cleanup had even taken place, EPA was growing increasingly aware of the problems caused by litter and debris in our oceans and on our coastlines. To better understand the marine debris issue, EPA launched a number of education and research efforts to help address the growing problem.

At the same time, Ocean Conservancy along with EPA, and other federal agencies embarked on the start of a multi-decade partnership to educate Congress and the public about marine debris; remove marine debris from the environment; and prevent marine debris from entering the environment. EPA continues to participate in Cleanup events including workshops and conferences, and has helped fund the program's expansion.

EPA complements Ocean Conservancy's work with a comprehensive watershed approach to protect our ocean and beaches from land-based marine debris. Most recently, Ocean Conservancy has partnered with EPA's new Urban Waters Initiative, which promotes the protection and restoration of urban waters by engaging communities in cleanup and demonstration activities that foster an increased community connection. These activities help residents understand the value of clean waterways and encourage stewardship. In 2010, EPA and Ocean Conservancy

hosted Urban Waters/International Coastal Cleanup events in Washington, DC, and in Bronx, New York, working closely on the successful events with many local partners.

"EPA is proud to have sponsored the International Coastal Cleanup for the past 25 years," says Peter S. Silva, EPA's Assistant Administrator for Water. "The Cleanup is a great way to raise public awareness, engage citizens in stewardship, and make a difference in the environment. Community members can see immediate results as they remove litter and debris from their local waters and watersheds. The extraordinary efforts of this one-day event have both a local and global effect on waterways and beaches around the world."



... it really brings home the importance of finding solutions to this major pollution problem—not to mention the incredible feeling of camaraderie you get knowing you are part of a worldwide network of like-minded people."

KELLY POLICH, DOW BUSINESS PUBLIC POLICY MANAGER FOR PLASTICS



The Dow Chemical Company

Dow joined us for the first Cleanup in 1986 in Texas and continues to be a steadfast partner, providing annual funding and also making trash bags available to Coordinators throughout the United States. The company's in-kind gift of bags, along with the distribution

of those bags, represents a significant commitment. "Dow is so proud of our 25-year history working with Ocean Conservancy on this critical issue," says Kelly Polich, Dow Business Public Policy Manager for Plastics. "When I go out to the Anacostia River Cleanup here in the nation's capital with my daughter, my husband, fellow Dow employees, and others from our community, it really brings home the importance of finding solutions to this major pollution problem—not to mention the incredible feeling of camaraderie you get knowing you are part of a worldwide network of like-minded people."



Here are just a few acknowledgments from Coordinators:



KENYA

GERI SCHLENOFF, MARYLAND COORDINATOR

"I went to Sam's Club to collect my \$25 gift card, and the lady gave me a check for \$1,000! I got the store grant—I hadn't even applied for it. I was so happy that I could buy more supplies, good signs for our Cleanups, and even some T-shirts to give to volunteers."

"We certainly appreciate every company, organization, club, school, and individual that donates time, materials, and equipment to help make the Cleanups possible every year. Without so much generosity and commitment to community, it just wouldn't be possible to put on these great events."

LINDA ZMUDZINSKI, OHIO COORDINATOR (OHIO LAKE ERIE COMMISSION)

"Of all the sponsors that I have had the pleasure to work with, Pick 'n Pay's Anna Dewhurst makes every Cleanup a pleasure. She's there with her team and goes that extra mile, personally handing out donated muffins and coffee."

JOHN KIESER, CAPETOWN-SOUTH AFRICA COORDINATOR (PLASTICS FEDERATION OF SOUTH AFRICA)

"On September 24th this year, the seas were really wild and the waves crashed into the Homer spit all night. Last year we had to cancel our Cleanup because we couldn't get out on the water, but this year the good people of Mako's Water Taxi would not be deterred. Mako himself steered us across the bay, and we were able to get to a remote beach and conduct a truly successful event because of his dedication and sponsorship."

PATRICK CHANDLER, ALASKA COORDINATOR (CENTER FOR ALASKAN COASTAL STUDIES)



USA



LOOKING TO THE FUTURE

Considering the 25-year body of Cleanup data, there's no question that a wide variety of manufactured items are causing a major ocean pollution problem. Trash is covering our beaches and accumulating in gyres in the middle of the ocean. We have a clear picture of the specific products involved and can now ramp up efforts to stop these items from ever reaching the ocean.

Going forward, we need many strategies working in concert to significantly reduce the trash winding up in our ocean and waterways. One emerging trend that began in Europe in response to shrinking landfill space is

Extended Producer Responsibility (EPR). Simply put, EPR extends some or all of the responsibility of manufacturers beyond the sale of a product. Instead of shipping an item without any further thought, they build into their plan both practical and financial responsibility for a given product item to include its final, proper disposal. The manufacturer covers part or all of the cost of recycling or proper disposal—and makes sure it happens. EPR can be voluntary, or required by law.

Beginning in 2011, Ocean Conservancy will mobilize other conservation organizations, industry leaders, and government officials

to advance the conversation about EPR with respect to ocean trash. We will host summits to stimulate dialogue and support and identify solutions. We will also establish a task force of solid waste management experts to help Ocean Conservancy quantify both the baseline amount of ocean trash and how to measure programs as companies change products and help reduce inflow of new trash.

Some forward-thinking manufacturing companies have put product innovation and EPR-like strategies into practice, including:

ITW Hi-Cone

The leading manufacturer of six-pack holders has gone above and beyond in terms of reducing the environmental impact of its product. The company not only developed a new material (see page 9), but it also created the Ring Leader program to recapture and recycle the rings. More than 12,000 schools, businesses, and groups around the world have helped keep the rings out of the environment—including the ocean—by participating in the free Ring Leader Recycling Program (www.ringleader.com).



Aliapur

This French company's founding members include tire manufacturers Bridgestone, Continental, Dunlop, Goodyear, Kleber, Michelin, and Pirelli. Since 2003, Aliapur has been chosen by some 203 producers to collect and recover used tires equal to the amount they put on the French market. Aliapur collects and shreds the tires for recycling and energy production.



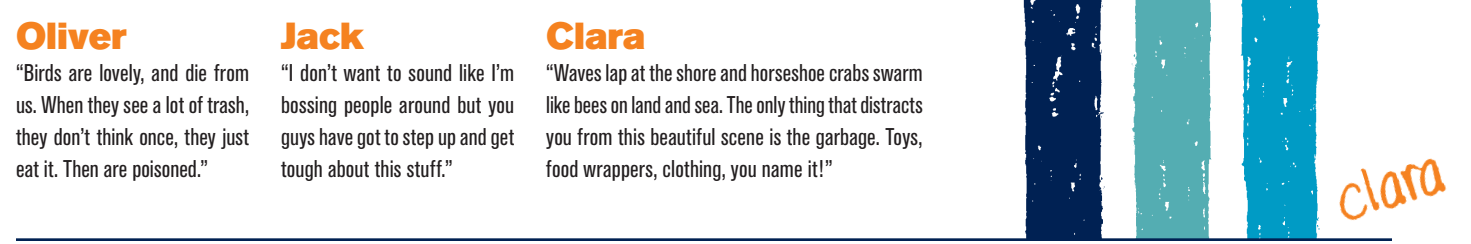
Nike

At the 2010 soccer World Cup in South Africa, Nike introduced new soccer jerseys for its national teams made from 100 percent recycled polyester. Nike's fabric suppliers acquired discarded plastic bottles from Japanese and Taiwanese landfill sites and then melted them down to produce new yarn that was ultimately converted to fabric for the jerseys. Up to eight bottles went into each shirt. This innovation kept 13 million plastic bottles from landfills—and possibly the ocean. If the recycled bottles used to make the jerseys were laid end-to-end, they would cover more than 3,000 kilometers, which is more than the entire coastline of South Africa.



Teaching About Trash

Teachers find that the Cleanup is a great resource for teaching everything from math and biology to social responsibility. When fourth-graders in New York City participated in Cleanups at a local beach and tallied what they found on Ocean Conservancy's data card (see graph at right), we found out they have something to teach us, as well:



Oliver

"Birds are lovely, and die from us. When they see a lot of trash, they don't think once, they just eat it. Then are poisoned."

Jack

"I don't want to sound like I'm bossing people around but you guys have got to step up and get tough about this stuff."

Clara

"Waves lap at the shore and horseshoe crabs swarm like bees on land and sea. The only thing that distracts you from this beautiful scene is the garbage. Toys, food wrappers, clothing, you name it!"

Engaging the Next Generation

It used to be said that today's young people are the future. But the truth is, they are powerful advocates *now*. Ocean Conservancy has partnered with EarthEcho International, a leading environmental education nonprofit, to encourage Cleanups as a service learning project for the Water Planet Challenge, an EarthEcho/Discovery web-based program for middle- and high-school students.

Kids are asking their friends to donate to the Cleanup in lieu of giving them birthday or bat mitzvah gifts. And twenty-somethings like Coordinator Carolina Guisande of the Dominican Republic are stepping up to bring fresh ideas and leadership (see page 13). Kids of every age are getting actively involved around the world:

PRESCHOOLERS learn about water pollution from the Cleanup Coordinator in Ghana.

ELEMENTARY SCHOOL SCIENCE STUDENTS from New York to Brazil clean up and fill out data cards with their teachers.

HIGH SCHOOL STUDENTS help with underwater Cleanups in St. Croix.

COLLEGE STUDENTS in Vietnam raised their own travel funds to travel to Cleanup sites and pitch in.

Whether they discover the Cleanup on their own, or participate in their first event because they've been invited out by a friend or teacher or their parent's employer, these young people are discovering the joyful sense of accomplishment that comes from making a beach or shoreline clean and, at the end of the day, handing in the data card that makes a permanent and incredibly useful record of their work.

They go home with a vivid picture of the scope of this problem. And they are inspired to work toward prevention. They become ocean trash ambassadors in their neighborhoods, classrooms, and online communities. That's great news for the next 25 years.

Star Power, Kid Power

Kids kicked off the 25th anniversary year of the International Coastal Cleanup with an event hosted by Ocean Conservancy and Disney's Friends for Change: Project Green. Ocean Conservancy President and CEO Vikki Spruill joined 75 enthusiastic school children in Tampa to pick up trash. Stars from *Camp Rock 2: The Final Jam* including the Jonas Brothers and Demi Lovato came out to help inspire the young volunteers to care for the ocean they love. They worked together along a one-mile stretch of beach to collect about 500 pounds of debris: 20 bags full of recyclables and 14 burlap sacks full of other trash. They found everything from ribbon to foam coolers, and even a vintage suitcase.

“During the 2010 Cleanup, I came across a very dirty fishing village right on the Chennai coast. My dedicated volunteers from the National Cadet Corps (school children ages 12-15) not only showed the fisherfolk the way to clean up the debris but were also successful in enlisting the children of that village to do a fast Cleanup.”

ADMIRAL K.R. SRINIVASAN,
INDIA-CHENNAI COORDINATOR
(INDIAN MARITIME FOUNDATION)

HISTORY AND DATA



Trash and other manufactured items in the ocean represent a serious pollution problem. The ocean is the planet's life support system, providing much of the food, water, and oxygen we need to survive. It also drives our climate. Things like cigarette butts, bottles, and chemical drums aren't just an eyesore; they threaten the health of our ocean as a whole, along with that of humans, wildlife and habitats, and economies.

There's good news: Anyone, anywhere can find ways to reduce trash in the ocean, by cleaning up as well as preventing ocean trash at the source. And every year more people are realizing that when we reduce the stresses caused by manufactured items in the water, the ocean will be more resilient in the face of other threats like climate change. Ocean Conservancy, building on the 25-year track record of the International Coastal Cleanup, is leading the way.

Person by Person, a World of Difference

The world's largest volunteer effort on behalf of ocean health burst on the scene through the efforts and passion of one woman. Word of the first event spread, and the resulting ripple effect continues around the globe today, with individuals everywhere engaged in forging solutions.

Back in 1986, Linda Maraniss moved to Texas from Washington, DC, where she had been working for Ocean Conservancy (then called the Center for Environmental Education). She had been deeply impressed by the work her Ocean Conservancy colleague Kathy O'Hara was doing on a groundbreaking report called *Plastics in the Ocean: More than a Litter Problem* that would be published the next year. When Linda discovered a Texas beach covered

with huge amounts of things like plastic containers and old rope, she knew this trash posed a serious threat to wildlife and ecosystems. And she felt compelled to take action.

Linda and Kathy reached out to the Texas General Land Office and other dedicated ocean-lovers, and planned what would become the first official Cleanup. They asked volunteers to go beyond picking up trash and record each item collected on a standardized data card in order to identify ways to eliminate ocean trash in the future.

Local Action, Global Change

In a mere two hours at that first Cleanup, 2,800 volunteers picked up 124 tons of trash from 122 miles of Texas coastline, and the movement spread as other states joined the effort. In 1989, Canada and Mexico participated, and the event became the International Coastal Cleanup.

From the start, the Cleanup appealed to people from all walks of life who saw that this was a hands-on way to address a major pollution problem. By working shoulder-to-shoulder with friends, neighbors, and co-workers and in spirit with people in nearly every time zone, anyone can help clean a beach for a few hours on one day and contribute to the body of data that gives us a picture of specific items

clogging our shorelines and impacting ocean, human, and economic health.

The Volunteer Network

Throughout the year, Ocean Conservancy supports an extensive network of Coordinators, Zone Captains, and Site Captains in every participating country, location, and US state as they prepare for Cleanup events. These volunteers identify sites to be cleaned along lakes, rivers, streams, and the sea. And they recruit and organize the more than half-a-million volunteers who roll up their sleeves and get the job done on Cleanup day. (For more on volunteers, see pages 12-15.)

Cleanups are not a new idea; many organizations and communities around the world engage in this important work. The distinguishing characteristics of Ocean Conservancy's International Coastal Cleanup include the way we unify those local efforts into a global movement and provide the training and materials needed to collect and analyze worldwide data. Ocean Conservancy's body of data catalogues the items of most concern for each site and region, and provides information to develop new policies that are good for the ocean—and products that are more ocean-friendly.



USA



A general observation we can make from [our regional] data is that there has been a decline in tampon applicators in Boston Harbor's coastal environment. This can be tied into the development of the Deer Island treatment facility—which is a great observation to make.”

KRISTEN UITERWYK,
MASSACHUSETTS COORDINATOR
(URBAN HARBORS INSTITUTE-
UNIVERSITY OF MASSACHUSETTS)

Data Collection

For 25 years, volunteers have recorded every item found: 166,144,420 items in all. This accounting of trash picked up in just a few hours each year has raised awareness about ocean trash and informed policies to address it. Ocean Conservancy accepts data collected from Cleanups throughout September and October for inclusion in the annual marine debris report.

Volunteers log each item found on the standardized data card, available in nine languages. They tally 43 items commonly found and can write in items of local concern and “weird finds” like suitcases and chandeliers (see page 29). Coordinators for each country, location, and state submit the data to Ocean Conservancy; an online data entry system streamlines the process and helps ensure accuracy. The data are published annually in the Ocean Trash Index, the only item-by-item, location-by-location accounting of what's trashing our ocean (see page 48).

Data Analysis

Each year, Ocean Conservancy breaks down the data by country, location, and US state using reports generated by the Online Data Collection and Reporting Tool.

The data provide a snapshot of what was removed from a certain location on one day. The long-term, global nature of collection makes the data effective for educating the public, business, industry, and governments about the sources and types of trash impacting ocean health.

To assess long-term trends in the Cleanup, we have engaged Applied Marine Science, Inc., to evaluate our 25-year data set using the most appropriate statistical methods. Our goal is to identify trends in specific trash items over time and in different parts of the world so that we can understand the full extent of the problem and determine whether we are making progress toward solutions.





DATA TO TELL US

WHAT, WHERE—AND HOW TO PREVENT

The information volunteers collect sets the International Coastal Cleanup apart from any other beach cleanup effort. Ocean Conservancy publishes the annual data gathered during the International Coastal Cleanup in the Ocean Trash Index, an item-by-item, location-by-location accounting of marine debris picked up by volunteers on just one day. Ocean Conservancy also makes available data reports by location.

Twenty-five years of detailed information from the Cleanup paints a solid picture of the top items of concern in our ocean and waterways. That information enables us to identify where these items originate, so we can stop them at the source.

Many of the items trashing our ocean are disposable products that find their way to the water through improper disposal or dumping. Others escape from waste management systems. The data show us where to focus strategies to stop ocean trash.

25 Years of Cleanups

Almost nine million people have picked up some 144 million pounds of trash during 25 years of the International Coastal Cleanup, the world's largest volunteer effort for ocean health. The weight is equal to that of 41,210 sedans.

Volunteers have cleaned 291,514 miles of coastal and inland shoreline and waterways, a distance equal to two trips around Earth followed by a trip to the moon.



PUERTO RICO



INTERNATIONAL COASTAL CLEANUP

25-YEAR DATA SUMMARY



CANADA

25 Years of Entangled Wildlife Found

	AMPHIBIANS	BIRDS	CORALS/ SPONGES	FISH	INVERTEBRATES	MAMMALS	REPTILES	TOTAL
BEVERAGE BOTTLES	3	8	0	27	47	13	2	100
BEVERAGE CANS	1	2	0	15	17	1	0	36
CRAB/LOBSTER/FISH TRAPS	1	11	1	48	106	3	3	173
FISHING HOOKS	2	76	0	54	10	3	6	151
FISHING LINE	9	722	14	553	237	46	55	1,636
FISHING NETS	3	153	1	249	207	29	30	672
BAGS (PLASTIC)	13	102	0	142	91	33	23	404
RIBBON/ STRING	0	91	0	37	29	7	2	166
ROPE	4	160	0	114	53	71	24	426
6-PACK HOLDERS	2	63	0	52	21	3	5	146
PLASTIC STRAPS	2	30		34	12	5	5	88
WIRE	1	31	1	16	13	7	6	75
TOTAL	41	1,449	17	1,341	843	221	161	4,073

Birds, fish, and other animals can become entangled in ocean trash, which prevents them from feeding, swimming, and reproducing. Entanglement also causes drowning. In addition, wildlife can mistake things like bottle caps, cigarette butts, and even cigarette lighters for food, consuming them and feeding them to their young. They may become ill from digestive blockage or starve to death because they feel artificially full and stop eating.



BRAZIL

Top Ten Items Over 25 Years

RANK	DEBRIS ITEM	NUMBER OF DEBRIS ITEMS	PERCENTAGE OF TOTAL DEBRIS ITEMS
1	CIGARETTES/CIGARETTE FILTERS	52,907,756	32%
2	FOOD WRAPPERS/CONTAINERS	14,766,533	9%
3	CAPS, LIDS	13,585,425	8%
4	CUPS, PLATES, FORKS, KNIVES, SPOONS	10,112,038	6%
5	BEVERAGE BOTTLES (PLASTIC)	9,549,156	6%
6	BAGS (PLASTIC)	7,825,319	5%
7	BEVERAGE BOTTLES (GLASS)	7,062,199	4%
8	BEVERAGE CANS	6,753,260	4%
9	STRAWS/STIRRERS	6,263,453	4%
10	ROPE	3,251,948	2%
TOP TEN TOTAL DEBRIS ITEMS		132,077,087	80%
TOTAL DEBRIS ITEMS WORLDWIDE		166,144,420	100%



25-Year Item Totals

DEBRIS ITEMS/SOURCES	COUNTS
SHORELINE & RECREATIONAL ACTIVITIES	
PAPER BAGS	2,257,254
PLASTIC BAGS	7,825,319
BALLOONS	1,248,892
BEVERAGE BOTTLES (PLASTIC)	9,549,156
BEVERAGE BOTTLES (GLASS)	7,062,199
BEVERAGE CANS	6,753,260
CAPS, LIDS	13,585,425
CLOTHING, SHOES	2,715,113
CUPS, PLATES, FORKS, KNIVES, SPOONS	10,112,038
FOOD WRAPPERS/CONTAINERS	14,766,533
6-PACK HOLDERS	957,975
PULL TABS	1,624,575
SHOTGUN SHELLS/WADDING	301,650
STRAWS, STIRRERS	6,263,453
TOYS	1,459,601
SUBTOTAL	86,482,443

OCEAN/WATERWAY ACTIVITIES	
BAIT CONTAINERS/PACKAGING	382,811
BLEACH/CLEANER BOTTLES	967,491
BUOYS/FLOATS	823,522
CRAB/LOBSTER/FISH TRAPS	314,322
CRATES	313,997
FISHING LINE	1,340,114
FISHING LURES/LIGHT STICKS	945,241
FISHING NETS	1,050,825
LIGHT BULBS/TUBES	438,361
OIL/LUBE BOTTLES	912,419
PALLETS	408,347
PLASTIC SHEETING/TARPS	1,298,171
ROPE	3,251,948
STRAPPING BANDS	801,886
SUBTOTAL	13,249,455

FOR A CREATIVE GRAPHIC BY FRENCH CLEANUP VOLUNTEER NICOLAS VERRIER DEPICTING THE 25-YEAR DATA, GO TO WWW.OCEANCONSERVANCY.ORG/25YEARS

166,144,420

TOTAL DEBRIS ITEMS COLLECTED WORLDWIDE

DEBRIS ITEMS/SOURCES	COUNTS
SMOKING-RELATED ACTIVITIES	
CIGARETTES/CIGARETTE FILTERS	52,907,756
CIGARETTE LIGHTERS	1,468,366
CIGAR TIPS	2,872,086
TOBACCO PACKAGING/WRAPPERS	2,163,570
SUBTOTAL	59,411,778

DUMPING ACTIVITIES	
APPLIANCES	117,356
BATTERIES	713,014
CARS/CAR PARTS	688,612
BUILDING MATERIALS	1,875,252
55-GALLON DRUMS	182,889
TIRES	979,468
SUBTOTAL	4,556,591

MEDICAL/PERSONAL HYGIENE	
CONDOMS	632,412
DIAPERS	863,135
SYRINGES	349,251
TAMPONS/TAMPON APPLICATORS	599,355
SUBTOTAL	2,444,153

117,356

APPLIANCES WOULD FILL 32,600 SINGLE-AXLE ADUMP TRUCKS

863,135

DIAPERS WOULD BE ENOUGH TO PUT ONE ON EVERY CHILD BORN IN THE UK LAST YEAR

52.9 Million

CIGARETTES/CIGARETTE FILTERS WOULD FILL 100 OLYMPIC-SIZE SWIMMING POOLS



CANADA

“As a result of the increased awareness that comes from the Cleanup, the municipal governments have increased the number of garbage receptacles on the beaches and collect them with greater frequency.”

LIZA GONZALEZ,
NICARAGUA COORDINATOR
(PASO PACIFICO)



Cigarette butts are far and away the most prevalent item found over the past quarter-century, accounting for more than three times the number of any other item. Six of the top ten items are consumer products made from plastic; much of the rope made today is synthetic, rather than more readily degradable natural fiber.

Over 25 years, Cleanup volunteers have picked up enough glass and plastic bottles (16,611,355) to provide every resident of New York City, Los Angeles, Chicago, and Houston with a cold beverage on a hot summer day.

The United States and Philippines have provided almost half of all volunteers over 25 years. 2000 was the peak participation year, with 844,967 people. The top three participating countries over the past quarter-century were the United States (3,618,462), the Philippines (2,907,608), and Canada (251,141). California, by far the most active US state, had almost one-third of all US volunteers.

25-Year Top Ten Participating Countries

RANK	COUNTRY OR LOCATION	NUMBER OF VOLUNTEERS
1	UNITED STATES	3,618,462
2	PHILIPPINES	2,907,608
3	CANADA	251,141
4	JAPAN	227,762
5	VENEZUELA	187,027
6	BRAZIL	134,701
7	SOUTH AFRICA	106,253
8	INDIA	104,443
9	PUERTO RICO	86,915
10	PANAMA	85,600
152 COUNTRIES AND LOCATIONS		8,763,377

25-Year Top Ten Participating States

RANK	US STATE	NUMBER OF VOLUNTEERS
1	CALIFORNIA	1,076,344
2	FLORIDA	563,380
3	NORTH CAROLINA	341,937
4	TEXAS	256,824
5	NEW YORK	181,791
6	SOUTH CAROLINA	106,987
7	GEORGIA	101,827
8	HAWAII	92,755
9	OREGON	84,695
10	LOUISIANA	75,490
50 STATES AND THE DISTRICT OF COLUMBIA		3,618,462

VOLUNTEERS

ON AND UNDER THE WATER



Boaters: Cleaning Hard-to-Reach Shores

Volunteers collect data from watercraft as well as on land and underwater. In 2010, 6,360 boaters participated, up more than 200 percent from 2009. They collected 162,498 pounds of trash along 145 miles.



Many boaters learn of the Cleanup through Ocean Conservancy's green boating program Good Mate (www.oceanconservancy.org/goodmate), supported by the Brunswick Foundation. Boating clubs and marinas rally volunteers as well. The US Coast Guard Auxiliary, which educates boaters about ocean pollution, urges community members to participate. And the US Power Squadron (a nonprofit, educational organization dedicated to making boating safer and more enjoyable) encourages its members across the country to come out and clean up.

WWW.OCEANCONSERVANCY.ORG/GOODMATE



Divers: Going Beneath the Surface

Our cast-off items, from cans to fishing line, lie unseen beneath the surface, endangering swimmers and wildlife along with important habitat like coral reefs. Back in the early days of the Cleanup, Ocean Conservancy (then the Center for Marine Conservation) joined with the scuba diving industry, the US Environmental Protection Agency, the National Oceanic and Atmospheric Administration, and the US Coast Guard to launch the underwater component of the Cleanup. The diving community stepped up in a big way, including the Professional Association of Diving Instructors (PADI) and its Project AWARE Foundation, which still plays a major role today.

In 1995, underwater Cleanup results were recorded separately for the first time. Some 8,000 divers from more than 30 countries and 23 US states and locations got to work, cleaning up more than 88,300 pounds of debris. The enthusiasm of divers grew. Two years later, diver participation had jumped 235 percent, to more than 18,400. Since the early years, underwater Cleanup events have taken place in many lakes and waterways in addition to the ocean.



PUERTO RICO

“We suspected some marine life might be either camouflaged or entangled in some of the trash collected in our underwater Cleanups. We had a recovery tank on shore for any living organisms we could find. By the end of the Cleanup, we had rescued a number of baby angelfish, damselfish and sergeant majors, a small octopus, a few starfish, crabs, and a beautiful seahorse.”

ALBERTO MARTÍ,
PUERTO RICO COORDINATOR
(SCUBA DOGS SOCIETY)

WEIRD FINDS

“Large amounts of fireworks debris were found at the Pittsburgh Three Rivers Stadium, left over from fireworks at baseball and football games. This was very disturbing to the volunteers who did the Cleanup, who hadn't realized how much debris was produced from fireworks.”

LENI HERR, PENNSYLVANIA COORDINATOR
(VERIZON TELECOMPIONEERS)

“We had a hurricane, so the things we have pulled out of the water and removed from our shores have been amazing. Not just tires, but the whole car; refrigerators still full; dining room tables with the silverware; and just about everything anybody can think of.”

BENJAMIN GOLIWAS, LOUISIANA COORDINATOR
(HOMEPORTNEWORLEANS.ORG)

“The most memorable story is by one of our longtime site coordinators, Glenn Cekus, who heads cleanups at Calumet Beach on Chicago's south side. A few years ago when Glenn worked with the US Coast Guard, some of his colleagues did a dive during the Cleanup. One of them came to the surface and reported that it looked as if there were a dead body underwater. It happened that there were dozens of Boy Scouts there that day who had to be sent home when a 911 crew was called to the scene. After emergency dive crews went under, they eventually brought up... a Coast Guard rescue dummy!”

FRANCES CANONIZADO, ILLINOIS AND INDIANA COORDINATOR (ALLIANCE FOR THE GREAT LAKES)

“The weirdest find was a whole toilet a hundred meters out from the coast on the sea bed. We were wondering who went to all that trouble to take out the toilet on a boat to dump it when he/she could have used the bulk refuse service—which is free in Malta.”

VINCENT ATTARD, MALTA COORDINATOR
(NATURE TRUST MALTA)



“Over the past 17 years, Canadian Cleanup volunteers have found almost everything you would need for a wedding, including a wedding dress, engagement ring, tuxedo jacket, bow tie, wedding invitations, bride and groom cake topper, and veil.”

JILL DWYER, CANADA COORDINATOR
(GREAT CANADIAN SHORELINE CLEANUP)

“After basketball and boxing, politics is the most popular sport in Puerto Rico. Every four years during elections, we find an array of political flags, flyers, and stickers that are both comical and depressing, considering the amount.”

ALBERTO MARTÍ, PUERTO RICO COORDINATOR
(SCUBA DOGS SOCIETY)



Most Peculiar Things

The International Coastal Cleanup data card includes a section to record the “most peculiar” thing found. At many Cleanups, these garner awards. Here are some prizewinners from California:


- ▶ 2008: A family of crawdads living in a purse
- ▶ 2008: A 52-pound bag of dog hair
- ▶ 2009: A grand piano found in a creek
- ▶ 2009: Ten single, unmatched shoes
- ▶ 2010: A dead cow in a bag

2010 INTERNATIONAL COASTAL CLEANUP

During the 25th anniversary Cleanup in 2010, 615,407 volunteers picked up more than 8 million pounds of trash and other debris—enough to cover about 170 football fields. They worked at 5,438 sites around the world.

Since the first Cleanup in Texas in 1986, the Cleanup movement has grown tremendously, in large part due to the phenomenal reach of the Internet in recent years. Inspired volunteers spread the word through social networking. Ocean Conservancy uses e-newsletters and webinars to inform and train the Coordinators who organize events. And volunteers can find local Cleanups, get questions answered, and register online.

In the past, Coordinators used the mail to deliver thousands of completed data cards to Ocean Conservancy. Now they can report results through Ocean Conservancy's Online Data Collection and Reporting Tool. Participants share everything from local data to inspiring photos and stories on networking sites including Facebook and YouTube.



>8 Million
POUNDS OF TRASH COULD COVER ABOUT 170 FOOTBALL FIELDS



Types of Cleanup

2010	PEOPLE	POUNDS	MILES
BEACH/INLAND WATERWAY	600,427	8,284,229	14,520.0
UNDERWATER	8,620	251,845	194.3
WATERCRAFT	6,360	162,498	144.7

TOTALS **615,407** **8,698,572** **14,859**

IN 2010, 114 COUNTRIES & LOCATIONS PARTICIPATED IN THE INTERNATIONAL COASTAL CLEANUP

- American Samoa
- Argentina
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belgium
- Belize
- Bolivia
- Brazil
- British Virgin Islands
- Brunei
- Bulgaria
- Canada
- Cape Verde
- Channel Islands
- Chile
- China
- Colombia
- Cook Islands
- Costa Rica
- Croatia
- Cyprus
- Denmark
- Dominica
- Dominican Republic
- East Timor
- Ecuador
- Egypt
- Estonia
- Fiji
- Finland
- France
- Germany
- Ghana
- Gibraltar
- Greece
- Grenada
- Guam
- Guatemala
- Guyana
- Honduras
- Hong Kong
- India
- Indonesia
- Ireland
- Israel
- Italy
- Jamaica
- Japan
- Jordan
- Kenya
- Lithuania
- Luxembourg
- Madagascar
- Malaysia
- Maldives
- Malta
- Mauritius
- Mexico
- Mozambique
- Namibia
- Netherland Antilles
- Netherlands
- New Zealand
- Nicaragua
- Nigeria
- Northern Mariana Islands
- Oman
- Panama
- Papua New Guinea
- Paraguay
- Peru
- Philippines
- Poland
- Portugal
- Puerto Rico
- Qatar
- Republic of Korea
- Russia
- Saint Kitts and Nevis
- Saint Lucia
- Saint Vincent and the Grenadines
- Samoa
- Saudi Arabia
- Scotland
- Seychelles
- Singapore
- Sint Maarten, Dutch West Indies
- Slovakia
- Solomon Islands
- South Africa
- Spain
- Sweden
- Switzerland
- Taiwan
- Tanzania
- Thailand
- Trinidad and Tobago
- Turkey
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- Uruguay
- US Virgin Islands
- Vanuatu
- Venezuela
- Vietnam
- Wales

2010 INTERNATIONAL COASTAL CLEANUP DATA



2010 Item Totals

DEBRIS ITEMS/SOURCES	COUNTS
SHORELINE & RECREATIONAL ACTIVITIES	
BAGS (PAPER)	300,031
BAGS (PLASTIC)	980,067
BALLOONS	75,168
BEVERAGE BOTTLES (PLASTIC)	1,094,921
BEVERAGE BOTTLES (GLASS)	440,756
BEVERAGE CANS	429,167
CAPS, LIDS	882,936
CLOTHING, SHOES	237,283
CUPS, PLATES, FORKS, KNIVES, SPOONS	524,853
FOOD WRAPPERS/CONTAINERS	853,633
PULL TABS	77,434
6-PACK HOLDERS	40,243
SHOTGUN SHELLS/WADDING	29,339
STRAWS, STIRRERS	433,376
TOYS	101,830
SUBTOTAL	6,501,037
OCEAN/WATERWAY ACTIVITIES	
BAIT CONTAINERS/PACKAGING	38,444
BLEACH/CLEANER BOTTLES	65,872
BUOYS/FLOATS	49,970
CRAB/LOBSTER/FISH TRAPS	16,820
CRATES	10,812
FISHING LINE	92,412
FISHING LURES/LIGHT STICKS	27,951
FISHING NETS	46,899
LIGHT BULBS/TUBES	25,456
OIL/LUBE BOTTLES	48,541
PALLETS	15,326
PLASTIC SHEETING/TARPS	79,252
ROPE	241,896
STRAPPING BANDS	42,125
SUBTOTAL	801,776

DEBRIS ITEMS/SOURCES	COUNTS
SMOKING-RELATED ACTIVITIES	
CIGARETTES/CIGARETTE FILTERS	1,892,526
CIGARETTE LIGHTERS	56,477
CIGAR TIPS	140,856
TOBACCO PACKAGING/WRAPPERS	136,956
SUBTOTAL	2,226,815
DUMPING ACTIVITIES	
APPLIANCES (REFRIGERATORS, WASHERS, ETC.)	7,134
BATTERIES	26,205
BUILDING MATERIALS	108,322
CARS/CAR PARTS	21,613
55-GALLON DRUMS	4,772
TIRES	21,858
SUBTOTAL	189,904
MEDICAL/PERSONAL HYGIENE	
CONDOMS	27,366
DIAPERS	55,350
SYRINGES	14,555
TAMPONS/TAMPON APPLICATORS	26,318
SUBTOTAL	123,589



SOURCE: OCEAN CONSERVANCY/INTERNATIONAL COASTAL CLEANUP



2010 Top Ten Participating Countries

RANK	COUNTRY OR LOCATION	NUMBER OF VOLUNTEERS
1	UNITED STATES	245,447
2	PHILIPPINES	145,733
3	CANADA	29,038
4	DOMINICAN REPUBLIC	27,622
5	INDIA	15,135
6	SOUTH AFRICA	12,747
7	PUERTO RICO	12,558
8	BRAZIL	12,217
9	MEXICO	12,105
10	ECUADOR	9,435
114 COUNTRIES AND LOCATIONS		615,407

SOURCE: OCEAN CONSERVANCY/INTERNATIONAL COASTAL CLEANUP/2010



For all the years we have been doing beach Cleanups, plastic has been by far the most common article collected. People got so tired of recording plastic bottles that they started to write 'nuff' and 'whole heap' and 'too many to count.' We had to incorporate this in our training so volunteers would understand the importance of the count."

TAMOY SINGH, JAMAICA COORDINATOR (JAMAICA ENVIRONMENTAL TRUST)

Human Health Threats

Nearly 2.5 million of the items tallied during the 2010 Cleanup can impact human health. Batteries, car parts, and 55-gallon chemical drums can leak toxic compounds. Disposable diapers, syringes, and condoms may carry bacteria and other contaminants. Volunteers found 26,205 batteries in 2010.

Volunteer Participation

TOP TEN COUNTRIES AND LOCATIONS: The greatest turnouts came from the United States, the Philippines, and Canada. The Philippines nearly doubled their participation from the previous year. The countries with the most Cleanup sites were the United States (3,004), Canada (990), and Mexico (99).

NOTABLE INCREASES: Kenya, which had 196 volunteers in 2009, brought out 6,525 volunteers in 2010—a stunning 3,229 percent increase. The Dominican Republic grew their volunteers by 137 percent, going from 11,636 to 27,622.

UNITED STATES: In the United States, volunteers covered 46 states and the District of Columbia. Only Kentucky, North Dakota, Tennessee, and Vermont did not turn in data cards. The states with the most individual Cleanup sites were California (629), Florida (417), and New York (276).

2010 Top Ten Participating States

RANK	US STATE	NUMBER OF VOLUNTEERS
1	CALIFORNIA	108,741
2	FLORIDA	25,290
3	GEORGIA	21,270
4	NORTH CAROLINA	15,710
5	NEW YORK	9,235
6	TEXAS	9,230
7	VIRGINIA	6,157
8	SOUTH CAROLINA	3,923
9	OREGON	3,588
10	PENNSYLVANIA	3,442
46 US STATES AND THE DISTRICT OF COLUMBIA		245,317

SOURCE: OCEAN CONSERVANCY/INTERNATIONAL COASTAL CLEANUP/2010



Hazards

Ocean Conservancy surveyed the scientific literature to identify items shown to choke or entangle wildlife. They include:

- ▶ 6-Pack Holders
- ▶ Bags (Paper)
- ▶ Bags (Plastic)
- ▶ Balloons
- ▶ Beverage Bottles
- ▶ Beverage Cans
- ▶ Buoys/Floats
- ▶ Caps, Lids
- ▶ Cigar Tips
- ▶ Cigarette Lighters
- ▶ Cigarettes/
Cigarette Filters
- ▶ Clothing, Shoes
- ▶ Crab/Lobster/
Fish Traps
- ▶ Fishing Hooks
- ▶ Fishing Line
- ▶ Fishing Lures/
Light Sticks
- ▶ Fishing Nets
- ▶ Food Wrappers/
Containers
- ▶ Plastic Sheeting/
Tarps
- ▶ Pull Tabs
- ▶ Rope
- ▶ Strapping Bands
- ▶ Straws, Stirrers
- ▶ Toothbrushes

2010 Top Ten Items

RANK	DEBRIS ITEM	NUMBER OF DEBRIS ITEMS	PERCENTAGE OF TOTAL DEBRIS ITEMS
1	CIGARETTES/CIGARETTE FILTERS	1,892,526	19%
2	BEVERAGE BOTTLES (PLASTIC)	1,094,921	11%
3	BAGS (PLASTIC)	980,067	10%
4	CAPS, LIDS	882,936	9%
5	FOOD WRAPPERS/CONTAINERS	853,633	9%
6	CUPS, PLATES, FORKS, KNIVES, SPOONS	524,853	5%
7	BEVERAGE BOTTLES (GLASS)	440,756	4%
8	STRAWS, STIRRERS	433,376	4%
9	BEVERAGE CANS	429,167	4%
10	BAGS (PAPER)	300,031	3%
TOP TEN TOTAL DEBRIS ITEMS		7,825,730	79%
TOTAL DEBRIS ITEMS WORLDWIDE		9,843,121	100%

SOURCE: OCEAN CONSERVANCY/INTERNATIONAL COASTAL CLEANUP/2010

Inland Counts

In 2010, 487,000 volunteers scoured ocean shorelines around the world, while more than 127,000 participants worked inland. Although 77 percent of all debris items were collected from coastal shorelines, almost 60 percent of all Cleanups took place at inland sites in 2010, compared to only 40 percent the previous year. This shift demonstrates an increased awareness regarding the proliferation of marine debris as a serious threat not only to our oceans, but to our inland streams, rivers, and lakes.



PUERTO RICO

Boaters and Divers

Participating boaters used watercraft, including powerboats, sailboats, kayaks, and rafts to reach areas others couldn't; 6,360 boaters picked up 162,498 pounds. And 8,620 scuba divers (organized by Project AWARE Foundation) used their expertise to gather and categorize 251,845 pounds of everything from tires to tin cans from below the water's surface.

While the items on the top ten list for 2010 are nearly the same as the 25-year list (see page 25), they fall in different order. For both, cigarettes and cigarette filters were the most prevalent; volunteers removed nearly 1.9 million from waterways and beaches in 2010. Plastic beverage bottles came in at number two (1,094,921) in 2010, and plastic bags placed third (980,067). Nine of the top ten items are disposable consumer goods.



2010 Entangled Wildlife Found

WILDLIFE	AMPHIBIANS	BIRDS	CORALS/ SPONGES	FISH	INVERTEBRATES	MAMMALS	REPTILES	TOTAL
BEVERAGE BOTTLES	1	0	0	2	17	0	1	21
BEVERAGE CANS	0	0	0	1	5	0	0	6
CRAB/LOBSTER/FISH TRAPS	0	2	0	3	22	0	1	28
FISHING HOOKS	1	5	0	4	0	0	1	11
FISHING LINE	2	46	6	66	17	4	7	148
FISHING NETS	0	7	1	48	52	8	15	131
BAGS (PLASTIC)	4	7	0	44	19	2	0	76
RIBBON/STRING	0	5	0	1	2	0	0	8
ROPE	0	7	0	27	3	3	0	40
6-PACK HOLDERS	0	3	0	1	1	0	1	6
WIRE	0	5	0	3	2	0	3	13
TOTAL	8	87	7	200	140	17	29	488

SOURCE: OCEAN CONSERVANCY/INTERNATIONAL COASTAL CLEANUP/2010

Items of Special Interest

Volunteers also note items of local concern that may highlight problems like dumping or sewage disposal issues. At Long Beach in Puerto Galera in the Philippines, volunteers picked up 1,548 slippers and 792 ice chests in 2010, possibly lost at sea by container ships.

Volunteers picking up and tallying trash and other debris often encounter wildlife, dead and alive, entangled in things like ropes or old fishing line. In 2010 they found 488 birds, fish, and animals. Among the 17 mammals were a bottlenose dolphin and a harbor seal. Fishing line and fishing nets were the most prevalent types of entangling debris (57 percent).



USA



The data card process makes the Cleanup different from any other cleanup campaign.

TERRY RAYMOND, DOMINICA COORDINATOR (DOMINICA YOUTH ENVIRONMENT ORGANISATION)





FROM THE TEXAS COAST TO THE NORTH PACIFIC GYRE



Twenty-five years after the first official event in Texas, the International Coastal Cleanup has spread across the globe. Because our trash travels, it is winding up in the most remote places—including the middle of the ocean.

Trash accumulates in areas known as gyres in great concentrations because of converging ocean currents; researchers are studying gyres around the world. For instance, the Sea Education Association (SEA) research program out of Woods Hole Oceanographic Institution (WHOI) has conducted surveys for 22 years in the North Atlantic Subtropical Gyre. Students and researchers towed nets to determine what was in the water; 62 percent came back to the ship containing plastic debris. Scientists seek answers to many questions, such as “How might this ocean trash be contaminating the food chain, and thus human health?” and “Can large concentrations of trash so far from land be cleaned up?”



Ocean Conservancy sent marine scientist Nicholas Mallos to the North Pacific Gyre, also known as the Pacific Garbage Patch, to learn more. “Although there has been considerable media coverage of the North Pacific Gyre, scientists still have much to learn about how debris accumulates there,” Mallos explains. “The North Pacific Gyre is often imagined as a floating island of trash; the truth is more complicated. We were seeking to dispel some myths, document the concentration of trash, and collect samples.”



The Way the Ocean Should Be

Mallos ventured to the gyre aboard a 152-foot sailboat led by marine conservationist Mary Crowley of Project Kaisei, an ongoing mission of the Ocean Voyages Institute. For three full days and 549 miles, it was smooth sailing—nothing but blue water. The crew spotted nine humpback whales, 32 white-sided dolphins, hundreds of Dall’s porpoises, and one Sei whale. “Not one item of trash,” said Mallos. “The way the ocean should be.”

And then, as day three came to an end, small items of trash including a plastic bottle and a bottle cap began to appear intermittently. By day five, things changed dramatically when a lost fishing net entangled the propeller. Crew members had to cut the marine debris away, losing valuable research time.



Eyewitness Account

For the next five-and-a-half days, the crew of 20 took turns keeping watch. “We saw a steady stream of debris, and wildlife swimming along with it,” reports Mallos. “Aggregations of fish beneath floating nets were common; we even saw a blue shark. But the most interesting thing was the coral reef fish—thousands of miles from the nearest reefs.”

In addition to daily observations, on August 25 Mallos filled out an International Coastal Cleanup data card in honor of the 25th anniversary year; he tallied 4,000 pieces of plastic, 27 rope fragments, 11 fishing nets, and an assortment of one-time-use manufactured goods in just one afternoon.

Over the course of the voyage, the full crew counted more than 17,000 pieces of plastic. “What resonates,” says Mallos, “is that larger items like shampoo bottles or five-gallon gasoline tanks become brittle around the edges. Rubbing your hand along the edge shatters the

plastic into micro-fragments, or ‘confetti.’” In certain areas, he says, the top three to six feet of water is dense with these microplastics. “At one point, I waved my hand through the water and it came up covered with them.”

The image stuck with Mallos. He points out that larger items may be eye-catching, but “consumer plastics were the major issue. Marine debris is largely caused by consumer behavior. We saw plastics of all shapes and sizes, everything from laundry baskets to hardhats.”

When considering the gyres, one thing is obvious: The flow of trash into our waterways and the ocean must stop. “Nowhere is the necessity of the International Coastal Cleanup more apparent,” says Mallos. “As consumers, we need to systematically re-evaluate our daily behaviors, and make choices like drinking from reusable bottles, eliminating our use of single-use shopping bags, and recycling as much as we can.”

Wildlife Impacts

The National Oceanic and Atmospheric Administration estimates that 52 metric tons of lost fishing gear and other debris accumulate in the Northwestern Hawaiian Islands each year. That’s equivalent to about 290 adult male Hawaiian monk seals, critically endangered animals that live there. Wildlife can become entangled in ocean trash and die, or suffer illness and death when they eat manufactured items.



THE "PACIFIC GARBAGE PATCH" MYTHS AND REALITIES

Is the Pacific Garbage Patch Twice the Size of Texas?

The North Pacific Gyre, popularly known as the Pacific Garbage Patch, cannot be precisely measured because gyres are fluid systems constantly on the move and changing. But as noted by scientist Nicholas Mallos, whose team counted 17,000 plastic fragments along with many whole items like basketballs and lawn chairs in just a few days, an enormous amount of manufactured material is present.

Are There Really Floating Islands of Trash?

No island of trash can be seen from the water or in aerial photographs or satellite images. Rather than coming together in a gigantic, solid mass, trash accumulates in gyres in varying and shifting concentrations, which can sometimes have the consistency of vegetable soup—think of the ocean as the broth and the trash as the vegetable chunks. The

inconsistent concentration of trash across surface waters of the Gyre makes understanding and proposing potential cleanup solutions much more complex. What is certain, though, is that there is an abundance of trash in the North Pacific Gyre, all of which is alien to ocean ecosystems and poses direct and indirect threats to the marine wildlife inhabiting it and humans that depend on it.

"Microplastics"

Plastic pieces measuring less than five millimeters result when trash including lawn chairs, laundry baskets, or cups breaks down in the water. "Nurdles," small plastic pellets used in the manufacture of plastic products, also fall into this category; they may find their way to the water by way of storm drains when



spilled during transport to factories. Microplastics also include tiny plastic beads in shower scrubs and cleaning products that serve as abrasives; these wash down drains into waterways and the ocean. Much more research is needed on the possible effects of these items on the food chain.

Vacuums Made with Ocean Plastic

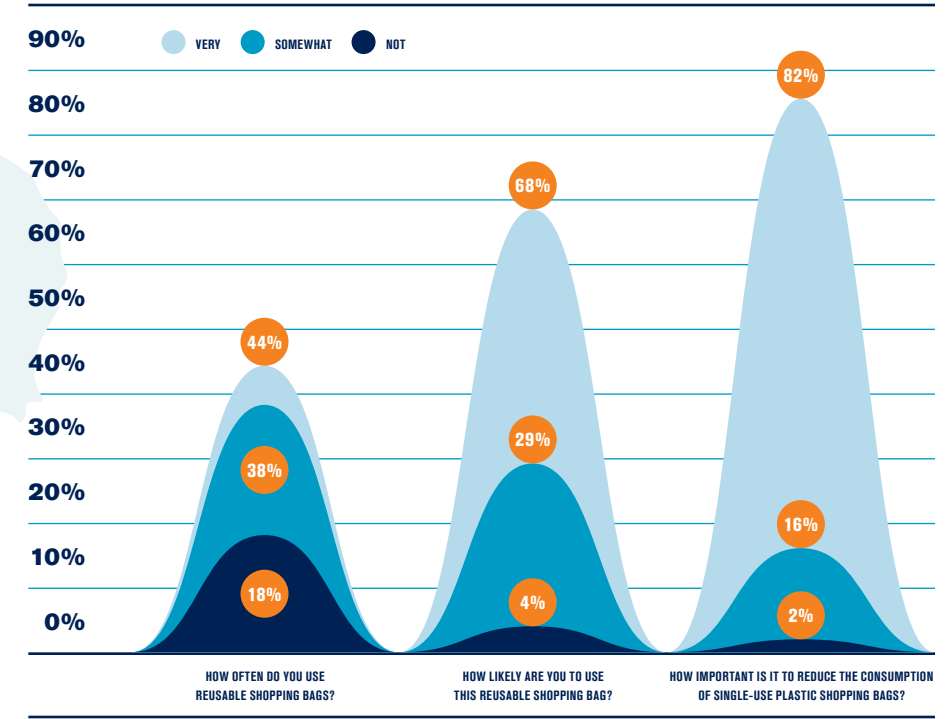
Industry has the power to reach—and educate—millions of people, and Electrolux is doing just that with their "Vacs from the Sea," made from recycled plastic. The source of that material? Ocean trash collected around the world.

When the company simply couldn't get enough high-grade recycled plastic to produce their vacuums, they decided to make a line of vacuums from plastic collected in beach cleanups. The goal is to raise awareness about both the scarcity of high-quality recycled material and the issue of plastics pollution.

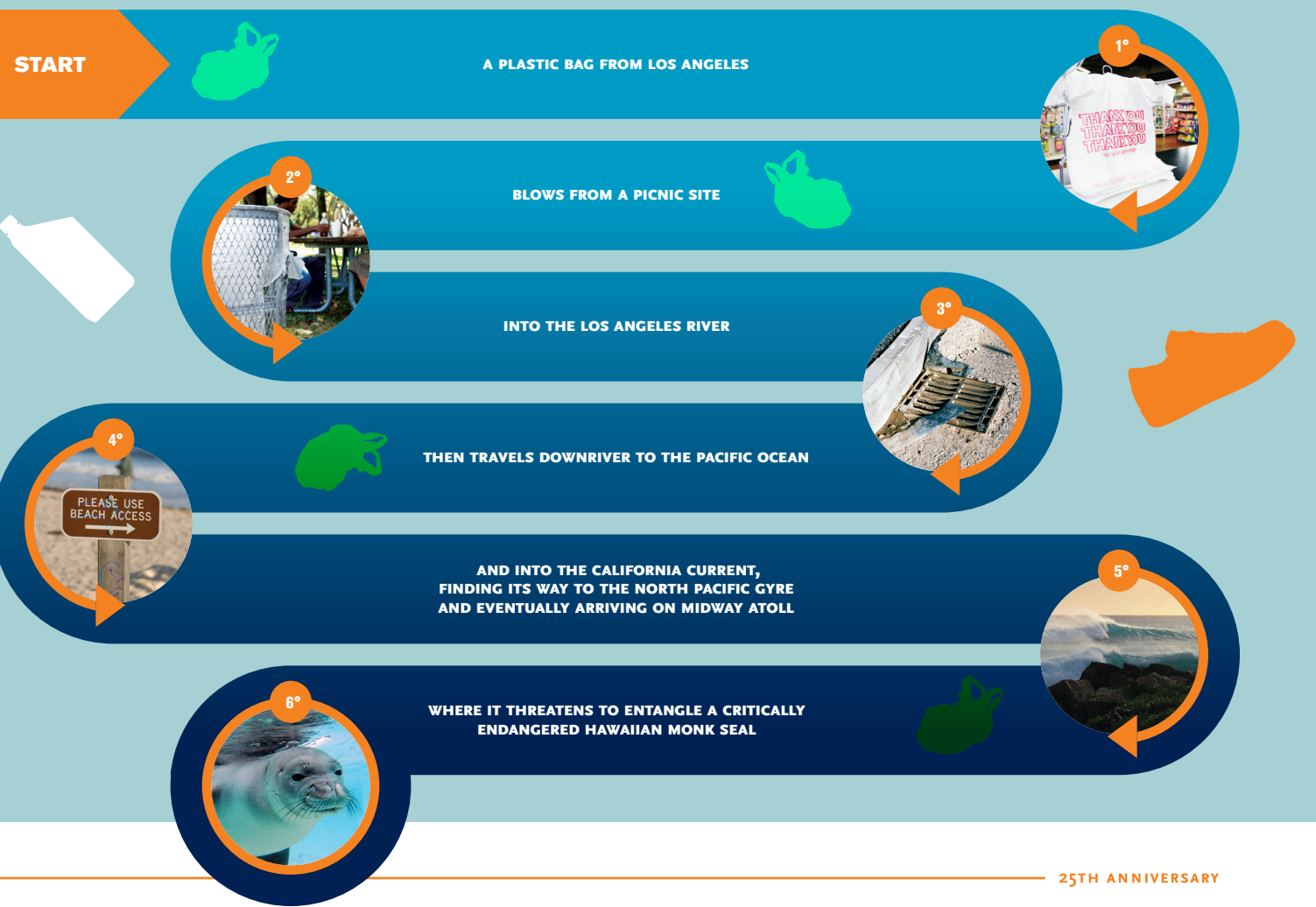


Ready to Reuse!

To study the use of reusable shopping bags in the United States and how participation in the Cleanup may change people's behavior toward reducing marine debris, Ocean Conservancy conducted an informal survey of almost 1,700 International Coastal Cleanup volunteers in eight US states (Florida, Massachusetts, Mississippi, Nebraska, New York, Ohio, Texas, Virginia) and Washington, DC—and thanks to the National Marine Sanctuary Foundation, each survey participant received an Ocean Conservancy reusable shopping bag. Clearly, it is very important for a large majority of the people surveyed (82 percent) to reduce single-use plastic bags.



Six Degrees of Separation



2010 COORDINATORS AND SPONSORS

Country and Location Coordinators

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THE OCEAN TRASH INDEX

The Ocean Trash Index presents state-by-state and country-by-country data about ocean trash collected and tallied by volunteers around the world on one day each fall during Ocean Conservancy's International Coastal Cleanup. Volunteers have collected data since 1986; the data are used to raise awareness and inform policy and solutions.

Cleanups alone can't solve this pollution problem; the Ocean Trash Index provides a snapshot of just what's trashing our ocean so we can work to prevent specific items from reaching the water in the first place. For more, visit www.oceanconservancy.org.

Methodology and Research Notes

Ocean Conservancy produces data cards in nine languages: English, Spanish, French, Portuguese, Chinese, Russian, Thai, Swahili, and Arabic. Ocean Conservancy, in conjunction with its US and international volunteer Coordinators, has collected and compiled data during the International Coastal Cleanup since 1986 within the United States, and since 1989 internationally. From 1986 through 2000, Cleanup volunteers tallied debris items on standardized data cards developed and provided by Ocean Conservancy. During this time, debris was categorized by the type of material, such as wood, rubber, plastic, glass, paper, and metal. In 2001, Ocean Conservancy revised and simplified the data card to include 42 specific debris items and groupings related to five debris-producing activities and sources such as Smoking-Related Activities and Shoreline & Recreational Activities. The new groupings identify the behavior associated with the presence of debris. In 2008, Ocean Conservancy decided to tally paper and plastic bags separately, for a total of 43 items listed. The Coordinator for a country, location, or US state enters totals for each site into Ocean Conservancy's secure Online Data Collection and Reporting Tool by the Cleanup Coordinator for the country, location, or US state. Coordinators may also mail, email, or fax totals to Ocean Conservancy. All data sent to Ocean Conservancy and not entered by the Coordinator are entered by Ocean Conservancy staff. The result is a unique, global online database of debris information collected from Cleanup sites around the world.

DATA ANALYSIS: Ocean Conservancy staff members analyze data, sorting it by country, location, and US state using reports generated by the Online Data Collection and Reporting Tool. Country, location, and US state geographic designations are made using the CIA World Factbook, <https://www.cia.gov/library/publications/the-world-factbook/geos/uk.html>. Data are also analyzed by regions determined using the UN Statistical Division, <http://unstats.un.org/unsd/methods/m49/m49regin.htm>. A location identified in the Marine Debris Index refers to a geographic area that is governed by a particular country but is not in the same geographic location (for example, the Netherlands Antilles are governed by the Netherlands, but are located in a different geographic area). These geographic designations do not imply Ocean Conservancy's opinion of the legal status of any country, territory, or location, or concern the delimitation of boundaries.

LIMITATIONS OF THE DATA: Volunteers (not paid staff or researchers) collect data while cleaning up on a single day. Ocean Conservancy produces data cards in nine languages; a language barrier could exist for some volunteers. The data represented in this report are only what was shared with Ocean Conservancy; if all participating locations reported in, totals could be higher. Weather events can impact Cleanups and may decrease data return for a certain country, location, or US state.

INTERPRETATION OF THE DATA: The data collected document what was removed from a certain location, on a certain day, by volunteers. The data provide the most comprehensive and measurable global snapshot of the world's marine debris, as well as a breakdown of sources and debris items found in US states, countries, locations, and regions of the world. Due to the large sample and nature of the collection, the data provide a baseline for other studies. This valuable information is an effective tool for educating the public, business, industry, and government officials about the presence of marine debris, and how and where to take specific actions to prevent it.



TERMINOLOGY

Land Cleanup

A Cleanup that was conducted on a beach or inland waterway.

- **INLAND CLEANUP:** This type of Cleanup site borders waterways that are located inland, such as rivers, lakes, streams, and ponds. It is not located on the ocean.
- **COASTAL CLEANUP:** This type of Cleanup site borders the ocean, a bay, or estuary.

Underwater Cleanup

A Cleanup that was conducted underwater by certified scuba divers.

Watercraft Cleanup

A Cleanup that was conducted off shore by a watercraft, including kayaks, canoes, sailboats, and motorboats.

People or Volunteers

The Coordinator counts the people (volunteers) at a Cleanup site, totals numbers for each country, location, or US state, and sends the numbers to Ocean Conservancy.

Pounds

Volunteers determine the pounds collected for a country, location, or US state by actual weight where scales are available. Otherwise, Coordinators estimate total weight at 15 pounds per bag of trash.

Miles

The miles determined for a country, location, or US state are the sum of the estimated distances of each Cleanup site within a country, location, or US state. The distance for a Cleanup site is the estimated mileage from the start of where volunteers cleaned up to the end location.



International Debris Breakdown

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COUNTRY OR LOCATION	AMERICAN SAMOA	ARUBA	AUSTRALIA	AUSTRIA	BAHAMAS
ISLAND (IF AVAILABLE)					ANDROS
SHORELINE & RECREATIONAL ACTIVITIES					
Bags (paper)	310	0	101	13	0
Bags (plastic)	881	187	617	21	0
Balloons	94	0	18	0	0
Beverage Bottles (plastic)	737	109	204	25	21
Beverage Bottles (glass)	687	174	210	8	742
Beverage Cans	553	55	168	22	458
Caps, Lids	957	258	365	16	0
Clothing, Shoes	481	32	50	3	4
Cups, Plates, Forks, Knives, Spoons	1,268	113	152	11	0
Food Wrappers/Containers	536	0	512	12	0
Pull Tabs	99	0	7	16	5
6-Pack Holders	267	0	0	6	0
Shotgun Shells/Wadding	30	0	325	22	1
Straws, Stirrers	446	101	116	18	0
Toys	210	1	16	56	2
CATEGORY TOTALS	7,556	1,030	2,861	249	1,233
OCEAN/WATERWAY ACTIVITIES					
Bait Containers/Packaging	95	0	33	4	0
Bleach/Cleaner Bottles	118	3	6	3	0
Buoys/Floats	27	0	14	1	1
Crab/Lobster/Fish Traps	4	1	1	3	0
Crates	3	0	2	1	0
Fishing Line	6	0	533	1	0
Fishing Lures/Light Sticks	32	0	19	9	0
Fishing Nets	7	0	1	4	0
Light Bulbs/Tubes	14	0	0	0	0
Oil/Lube Bottles	127	5	0	0	0
Pallets	5	3	2	0	0
Plastic Sheeting/Tarps	67	0	5	12	0
Rope	64	4	21	5	3
Strapping Bands	16	3	10	5	0
CATEGORY TOTALS	585	19	647	48	4
SMOKING-RELATED ACTIVITIES					
Cigarettes/Cigarette Filters	161	0	851	2	2
Cigarette Lighters	25	0	8	13	0
Cigar Tips	0	52	2	3	0
Tobacco Packaging/Wrappers	63	0	23	22	0
CATEGORY TOTALS	249	52	884	40	2
DUMPING ACTIVITIES					
Appliances (refrigerators, washers, etc.)	4	0	1	1	0
Batteries	11	0	3	1	0
Building Materials	223	3	26	15	0
Cars/Car Parts	19	3	1	7	0
55-Gallon Drums	5	0	0	1	1
Tires	49	0	0	0	0
CATEGORY TOTALS	311	6	31	25	1
MEDICAL/PERSONAL HYGIENE					
Condoms	9	4	2	1	0
Diapers	111	29	5	4	0
Syringes	20	1	6	2	0
Tampons/Tampon Applicators	35	0	0	0	0
CATEGORY TOTALS	175	34	13	7	0
TOTALS	8,876	1,141	4,436	369	1,240



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BAHAMAS	BAHAMAS	BAHAMAS	BAHRAIN	BANGLADESH	BARBADOS	BELGIUM	BELIZE
GRAND BAHAMA ISLAND	NASSAU	TOTAL					
118	1,263	1,381	20	1,174	0	27	732
301	1,358	1,659	90	715	548	61	2,285
8	76	84	0	65	0	7	177
612	1,849	2,482	43	543	1,100	59	1,945
234	1,072	2,048	16	258	295	61	750
239	1,137	1,834	40	742	77	118	503
389	1,418	1,807	22	1,084	3,272	18	3,774
148	1,073	1,225	2	193	507	14	1,514
531	1,313	1,844	27	3,579	256	30	2,255
191	1,109	1,300	50	14,179	538	191	2,982
4	100	109	3	417	2	3	86
8	84	92	0	0	0	2	33
5	700	706	3	0	4	0	63
26	292	318	18	4,298	6	21	517
19	161	182	0	62	29	1	380
2,833	13,005	17,071	334	27,309	6,634	613	17,996
OCEAN/WATERWAY ACTIVITIES							
21	125	146	1	23	0	0	72
38	205	243	2	3	46	0	198
18	77	96	0	52	28	0	587
84	112	196	3	90	4	0	25
7	113	120	0	0	46	0	53
4	48	52	4	74	15	5	113
2	21	23	1	5	81	0	75
32	28	60	1	145	17	0	17
10	76	86	0	11	53	1	46
97	173	270	5	17	18	0	105
10	34	44	0	0	6	0	33
21	73	94	6	205	105	4	73
106	118	227	10	125	840	18	102
7	44	51	0	17	7	4	45
457	1,247	1,708	33	767	1,266	32	1,544
SMOKING-RELATED ACTIVITIES							
12	132	146	9	15,076	4	38	276
5	72	77	0	68	64	7	53
1	91	92	0	4	0	0	689
5	77	82	16	662	0	10	53
23	372	397	25	15,810	68	55	1,071
DUMPING ACTIVITIES							
2	168	170	0	0	7	0	7
1	64	65	0	146	0	0	42
60	268	328	32	23	284	11	183
8	185	193	0	0	24	1	17
1	33	35	0	0	3	0	6
7	74	81	0	12	0	0	59
79	792	872	32	181	318	12	314
MEDICAL/PERSONAL HYGIENE							
11	368	379	0	48	10	0	182
6	205	211	0	8	1	2	59
0	18	18	0	48	17	0	123
2	75	77	0	0	2	0	6
19	666	685	0	104	30	2	370
3,411	16,082	20,733	424	44,711	8,316	714	21,295

International Debris Breakdown

COUNTRY OR LOCATION	BRAZIL	BRITISH VIRGIN ISLANDS	BRITISH VIRGIN ISLANDS	BRITISH VIRGIN ISLANDS	BRUNEI	BULGARIA
ISLAND (IF AVAILABLE)		TORTOLA	VIRGIN GORDA	TOTAL		
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	5,787	47	0	47	0	91
Bags (plastic)	13,979	100	4	104	295	582
Balloons	125	0	0	0	0	0
Beverage Bottles (plastic)	5,406	320	38	358	322	592
Beverage Bottles (glass)	2,626	179	22	201	44	137
Beverage Cans	2,775	183	25	208	48	501
Caps, Lids	2,079	67	22	89	61	422
Clothing, Shoes	2,839	22	6	28	29	45
Cups, Plates, Forks, Knives, Spoons	2,235	70	24	94	41	583
Food Wrappers/Containers	7,000	60	0	60	72	277
Pull Tabs	394	12	0	12	0	77
6-Pack Holders	2,288	9	0	9	0	14
Shotgun Shells/Wadding	0	0	0	0	0	15
Straws, Stirrers	4,392	27	0	27	11	7
Toys	427	19	2	21	19	15
CATEGORY TOTALS	52,352	1,115	143	1,258	942	3,358
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	0	0	0	0	0	0
Bleach/Cleaner Bottles	649	33	0	33	31	0
Buoys/Floats	369	10	0	10	24	0
Crab/Lobster/Fish Traps	3	0	0	0	0	0
Crates	24	2	3	5	1	0
Fishing Line	87	6	40	46	3	0
Fishing Lures/Light Sticks	1	0	0	0	0	0
Fishing Nets	26	4	0	4	12	0
Light Bulbs/Tubes	116	6	2	8	18	0
Oil/Lube Bottles	161	38	0	38	4	0
Pallets	1,280	2	1	3	0	0
Plastic Sheeting/Tarps	362	6	0	6	0	0
Rope	258	21	2	23	6	0
Strapping Bands	86	6	0	6	0	0
CATEGORY TOTALS	3,422	134	48	182	99	0
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	8,959	2	0	2	102	925
Cigarette Lighters	57	3	0	3	13	32
Cigar Tips	4	4	0	4	0	1
Tobacco Packaging/Wrappers	656	8	0	8	33	139
CATEGORY TOTALS	9,676	17	0	17	148	1,097
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	187	10	0	10	0	3
Batteries	110	0	0	0	14	8
Building Materials	6,395	14	5	19	4	0
Cars/Car Parts	153	14	0	14	2	3
55-Gallon Drums	12	22	0	22	0	11
Tires	122	9	0	9	19	3
CATEGORY TOTALS	6,979	69	5	74	39	28
MEDICAL/PERSONAL HYGIENE						
Condoms	109	3	0	3	0	1
Diapers	269	2	0	2	8	3
Syringes	55	0	1	1	8	2
Tampons/Tampon Applicators	91	2	0	2	0	10
CATEGORY TOTALS	524	7	1	8	16	16
TOTALS	72,953	1,342	197	1,539	1,244	4,499

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CANADA	CAPE VERDE	CHANNEL ISLANDS	CHILE	CHINA	COLOMBIA	COOK ISLANDS	COSTA RICA
18,289	11	0	3,927	65	632	276	2,074
56,396	51	235	8,038	10,974	638	208	11,910
4,234	2	0	434	11	454	0	101
28,776	201	372	5,747	100,263	520	359	172,418
20,866	293	0	3,918	265	3,005	419	6,354
28,790	20	221	2,997	1,079	130	449	32,593
55,831	26	41	9,305	1,179	140	214	49,325
8,343	88	0	1,384	458	362	79	6,356
29,545	2	0	2,031	1,207	839	459	6,358
84,891	4	91	4,866	659	44	607	9,437
7,813	0	0	210	32	25	0	297
2,404	0	0	363	9	22	0	222
2,846	0	0	102	6	22	0	11
23,539	0	0	1,484	57	25	30	22,431
5,796	0	0	828	23	32	0	2,536
378,359	698	960	45,634	116,287	6,890	3,100	322,423
2,677	0	0	251	65	85	0	5
968	2	26	413	6	46	0	18,019
2,802	1	0	407	952	123	0	6,392
380	4	0	93	10	16	0	209
326	1	0	250	27	393	1	84
3,367	10	0	302	50	76	20	34
1,349	0	0	173	1	102	0	424
759	15	0	377	199	1,880	0	55
433	16	0	483	22	49	0	242
1,120	1	0	637	16	8	0	1,852
380	0	0	176	135	963	0	2
3,691	3	0	929	149	6	0	78
9,133	18	0	2,283	333	143	20	277
3,638	0	0	614	54	7	0	19
31,023	71	26	7,388	2,019	3,897	41	27,692
230,023	109	395	16,882	10,090	4	376	1,826
2,832	1	0	1,050	64	0	5	1,266
13,629	0	0	7,987	24	0	0	71
13,944	3	0	3,967	103	0	13	316
260,428	113	395	29,886	10,281	4	394	3,479
282	0	0	22	5	0	0	68
1,187	2	0	866	7	12	7	1,326
11,119	59	0	1,292	139	4	22	832
1,843	4	0	87	23	0	3	146
132	0	0	25	2	0	0	36
978	3	0	276	47	9	29	260
15,541	68	0	2,568	223	25	61	2,668
2,292	3	0	421	50	2	5	65
1,102	0	0	687	10	0	3	453
597	0	0	175	4	0	0	220
3,427	1	0	199	115	0	0	52
7,418	4	0	1,482	179	2	8	790
692,769	954	1,381	86,958	128,989	10,818	3,604	357,052

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International Debris Breakdown

COUNTRY OR LOCATION	CROATIA	CYPRUS	DENMARK	DOMINICA	DOMINICAN REPUBLIC	EAST TIMOR
ISLAND (IF AVAILABLE)						
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	6	15	0	1,001	31,363	74
Bags (plastic)	112	116	11	1,384	53,162	556
Balloons	0	3	0	37	3,530	0
Beverage Bottles (plastic)	51	154	7	9,710	58,747	4,039
Beverage Bottles (glass)	166	80	8	1,245	34,865	166
Beverage Cans	32	96	39	1,289	25,745	349
Caps, Lids	6	132	1	754	48,383	286
Clothing, Shoes	5	10	4	1,166	25,326	117
Cups, Plates, Forks, Knives, Spoons	10	14	7	4,405	44,390	221
Food Wrappers/Containers	51	21	6	1,332	34,156	516
Pull Tabs	5	22	0	23	5,443	11
6-Pack Holders	8	0	0	10	6,736	3
Shotgun Shells/Wadding	0	0	0	43	736	0
Straws, Stirrers	0	0	0	261	25,861	69
Toys	10	6	1	129	8,455	8
CATEGORY TOTALS	462	669	84	22,789	406,898	6,415
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	3	5	3	76	2,904	2
Bleach/Cleaner Bottles	0	11	0	658	9,768	11
Buoys/Floats	0	13	2	188	882	0
Crab/Lobster/Fish Traps	2	0	0	19	948	0
Crates	3	0	0	7	386	0
Fishing Line	13	36	4	52	1,025	2
Fishing Lures/Light Sticks	0	4	1	11	2,585	4
Fishing Nets	3	7	1	80	1,731	5
Light Bulbs/Tubes	0	0	0	15	8,419	0
Oil/Lube Bottles	0	9	1	226	12,856	5
Pallets	0	17	0	2	874	0
Plastic Sheeting/Tarps	0	2	0	64	4,125	8
Rope	2	5	2	212	3,390	37
Strapping Bands	10	0	0	6	5,088	5
CATEGORY TOTALS	36	109	14	1,616	54,981	79
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	64	254	15	53	17,446	45
Cigarette Lighters	8	25	5	42	1,972	21
Cigar Tips	5	0	0	50	2,151	0
Tobacco Packaging/Wrappers	60	17	9	24	5,105	138
CATEGORY TOTALS	137	296	29	169	26,674	204
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	10	1	4	47	678	1
Batteries	34	0	2	110	2,024	8
Building Materials	5	17	4	439	2,403	8
Cars/Car Parts	11	4	5	203	1,115	4
55-Gallon Drums	10	0	0	9	1,131	0
Tires	2	8	3	103	980	0
CATEGORY TOTALS	72	30	18	911	8,331	21
MEDICAL/PERSONAL HYGIENE						
Condoms	4	0	1	150	3,484	0
Diapers	0	0	3	33	4,711	0
Syringes	0	11	0	6	1,592	1
Tampons/Tampon Applicators	0	6	0	22	925	0
CATEGORY TOTALS	4	17	4	211	10,712	1
TOTALS	711	1,121	149	25,696	507,596	6,720

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ECUADOR	EGYPT	ESTONIA	FIJI	FINLAND	FRANCE	GERMANY	GHANA
3,895	296	29	50	0	91	275	731
35,609	3,297	141	173	13	44	1,677	4,767
5,255	0	0	0	0	27	27	16
40,761	8,774	108	859	193	251	1,058	205
19,246	1,922	85	126	921	146	2,426	94
9,104	977	40	533	708	116	419	81
32,529	892	79	289	85	1,555	2,301	155
10,123	137	14	198	52	80	141	341
23,309	161	31	80	362	40	233	217
13,577	534	0	1,002	14	73	187	482
2,898	626	0	3	0	69	134	14
3,297	0	13	4	0	53	16	0
744	2	0	0	4	52	59	0
7,101	200	0	47	0	236	127	227
2,137	15	5	52	42	22	70	41
209,585	17,833	545	3,416	2,394	2,855	9,150	7,371
OCEAN/WATERWAY ACTIVITIES							
1,860	132	0	5	6	24	389	0
2,385	71	0	9	2	13	36	2
3,880	16	0	3	7	3	30	7
1,164	11	0	0	4	1	31	13
647	15	0	2	2	1	9	0
1,546	921	0	63	0	34	346	17
1,059	2	0	2	1	14	95	2
3,218	13	0	0	8	8	36	43
860	31	0	1	4	24	6	4
4,777	51	0	24	2	8	11	5
2,437	4	0	0	2	0	6	1,264
2,815	29	0	10	13	14	22	7
13,672	199	15	9	15	1,925	47	84
514	48	0	13	0	1	17	0
40,834	1,543	15	141	66	2,070	1,081	1,448
SMOKING-RELATED ACTIVITIES							
12,600	4,401	144	30	16	4,509	2,672	1
659	149	3	6	0	33	1,192	2
4,486	3	0	0	5	32	105	0
7,138	682	7	56	5	89	168	6
24,883	5,235	154	92	26	4,663	4,137	9
DUMPING ACTIVITIES							
90	0	21	1	19	0	10	0
1,156	103	0	0	3	4	16	12
2,800	48	49	6	33	32	53	2
199	16	367	0	1	1	27	1
208	0	0	0	18	0	5	0
346	60	82	3	17	6	31	3
4,799	227	519	10	91	43	142	18
MEDICAL/PERSONAL HYGIENE							
1,059	0	0	0	0	6	21	13
4,007	58	9	84	0	34	16	4
1,432	19	0	0	0	7	10	0
566	48	0	0	0	14	0	0
7,064	125	9	84	0	61	47	17
287,165	24,963	1,242	3,743	2,577	9,692	14,557	8,863

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International Debris Breakdown

COUNTRY OR LOCATION	GIBRALTAR	GREECE	GRENADA	GUAM	GUATEMALA	GUYANA
ISLAND (IF AVAILABLE)						
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	0	493	69	777	53	401
Bags (plastic)	30	2,580	874	6,826	264	1,077
Balloons	0	47	4	262	29	58
Beverage Bottles (plastic)	75	2,995	4,828	7,375	2,521	3,646
Beverage Bottles (glass)	250	1,146	1,338	5,680	243	674
Beverage Cans	150	1,734	582	17,380	104	562
Caps, Lids	0	3,652	694	5,747	1,409	738
Clothing, Shoes	2	263	337	1,829	414	392
Cups, Plates, Forks, Knives, Spoons	7	832	668	6,048	261	931
Food Wrappers/Containers	0	991	735	5,658	196	711
Pull Tabs	0	693	12	1,386	21	93
6-Pack Holders	0	93	2	840	0	4
Shotgun Shells/Wadding	0	96	0	49	0	17
Straws, Stirrers	0	3,119	221	1,360	415	787
Toys	3	122	21	567	226	58
CATEGORY TOTALS	517	18,856	10,385	61,784	6,156	10,149
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	0	60	35	215	0	25
Bleach/Cleaner Bottles	0	80	433	303	112	68
Buoys/Floats	0	92	18	145	0	196
Crab/Lobster/Fish Traps	0	8	0	75	0	25
Crates	0	70	1	44	0	3
Fishing Line	12	906	42	260	0	32
Fishing Lures/Light Sticks	8	656	4	79	0	39
Fishing Nets	1	114	3	155	0	41
Light Bulbs/Tubes	0	28	80	88	10	21
Oil/Lube Bottles	0	81	417	205	110	32
Pallets	0	14	0	56	0	19
Plastic Sheeting/Tarps	0	361	36	463	17	15
Rope	0	684	85	610	0	92
Strapping Bands	0	102	10	213	15	15
CATEGORY TOTALS	21	3,256	1,164	2,911	264	623
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	0	41,080	132	12,395	29	224
Cigarette Lighters	0	389	9	375	4	98
Cigar Tips	0	480	35	1,438	0	80
Tobacco Packaging/Wrappers	0	921	36	964	3	80
CATEGORY TOTALS	0	42,870	212	15,172	36	482
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	0	3	0	81	2	25
Batteries	6	103	10	474	10	24
Building Materials	4	377	29	430	52	11
Cars/Car Parts	0	51	9	256	16	14
55-Gallon Drums	0	10	1	14	0	0
Tires	0	93	1	131	9	5
CATEGORY TOTALS	10	637	50	1,386	89	79
MEDICAL/PERSONAL HYGIENE						
Condoms	0	19	73	97	2	150
Diapers	0	74	7	566	0	46
Syringes	0	23	0	7	12	2
Tampons/Tampon Applicators	0	6	6	52	0	14
CATEGORY TOTALS	0	122	86	722	14	212
TOTALS	548	65,741	11,897	81,975	6,559	11,545

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HONDURAS	HONG KONG	INDIA	INDONESIA	IRELAND	ISRAEL	ITALY	JAMAICA
0	956	21,250	973	0	1,075	805	6,709
64	16,100	43,666	21,139	10	4,500	960	26,004
3	685	2,225	429	0	0	50	588
242	12,695	8,763	12,584	30	2,450	1,372	44,077
71	7,071	5,319	2,080	20	3,000	587	8,909
23	2,666	5,359	986	20	2,000	537	4,449
291	7,769	7,431	7,439	10	785	651	17,247
45	2,778	9,216	4,191	10	35	417	5,231
50	5,613	11,677	1,936	0	3,395	465	17,954
57	10,372	26,182	11,781	20	645	267	9,091
12	1,511	808	320	0	0	218	811
0	283	316	35	2	78	33	274
0	132	499	168	0	0	75	58
76	4,079	5,157	19,388	0	270	108	4,161
35	1,133	1,643	1,147	0	0	102	1,052
969	73,843	149,511	84,596	122	18,233	6,647	146,615
OCEAN/WATERWAY ACTIVITIES							
0	889	824	168	0	895	231	106
16	547	788	290	0	77	129	1,242
5	889	907	110	0	15	63	109
1	274	441	36	1	38	35	286
3	543	185	36	0	0	122	222
26	531	177	2,738	4	1,270	172	291
4	893	191	46	0	753	115	223
3	679	763	159	1	10	148	193
0	337	1,259	189	0	0	35	290
21	438	1,503	414	0	48	62	967
0	519	323	2	0	10	12	40
0	2,263	3,780	932	0	0	139	475
0	2,716	1,503	965	2	52	140	904
0	996	407	81	0	0	200	94
79	12,514	13,051	6,166	8	3,168	1,603	5,442
SMOKING-RELATED ACTIVITIES							
50	5,057	19,966	18,558	0	5,500	1,796	1,578
10	1,260	650	754	0	0	221	1,218
0	847	2,546	11	0	0	245	531
0	544	31,445	2,539	0	150	143	404
60	7,708	54,607	21,862	0	5,650	2,405	3,731
DUMPING ACTIVITIES							
0	153	97	37	0	0	18	248
0	601	975	684	0	5	70	154
0	3,024	1,134	231	2	35	134	1,433
0	164	496	28	0	7	25	347
0	39	75	3	0	0	59	42
0	123	510	38	1	12	40	114
0	4,104	3,287	1,021	3	59	346	2,338
MEDICAL/PERSONAL HYGIENE							
0	186	1,013	31	0	0	82	990
3	71	1,295	549	0	71	78	1,119
16	213	704	50	0	0	63	92
1	96	226	183	0	67	91	285
20	566	3,238	813	0	138	314	2,486
1,128	98,735	223,694	114,458	133	27,248	11,315	160,612

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International Debris Breakdown

COUNTRY OR LOCATION	JAPAN	JORDAN	KENYA	LUXEMBOURG	MADAGASCAR	MALAYSIA
ISLAND (IF AVAILABLE)						
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	604	0	13,213	0	18	2,763
Bags (plastic)	1,436	3	14,362	1	131	7,826
Balloons	1,048	0	8,973	0	0	831
Beverage Bottles (plastic)	1,391	0	7,954	2	300	4,438
Beverage Bottles (glass)	768	0	6,860	25	24	2,213
Beverage Cans	1,022	5	7,707	2	42	1,786
Caps, Lids	1,686	0	8,887	41	64	1,749
Clothing, Shoes	205	0	7,008	1	229	1,558
Cups, Plates, Forks, Knives, Spoons	362	45	4,171	0	42	878
Food Wrappers/Containers	1,767	0	7,058	23	221	3,680
Pull Tabs	109	0	942	0	0	60
6-Pack Holders	26	0	655	0	0	9
Shotgun Shells/Wadding	1	0	579	0	0	21
Straws, Stirrers	417	0	12,348	0	0	1,294
Toys	29	0	1,712	0	0	187
CATEGORY TOTALS	10,871	53	102,429	95	1,071	29,293
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	57	0	2,595	0	0	195
Bleach/Cleaner Bottles	141	0	3,304	0	0	282
Buoys/Floats	288	0	2,731	0	0	932
Crab/Lobster/Fish Traps	32	0	341	0	1	24
Crates	3	0	865	0	0	28
Fishing Line	422	0	501	0	31	1,560
Fishing Lures/Light Sticks	24	0	743	2	79	217
Fishing Nets	21	0	609	2	5	138
Light Bulbs/Tubes	32	0	896	0	0	234
Oil/Lube Bottles	6	0	561	0	0	177
Pallets	200	0	776	0	0	15
Plastic Sheeting/Tarps	95	0	2,966	0	16	454
Rope	1,377	0	1,934	0	102	1,750
Strapping Bands	1	0	2,156	0	0	138
CATEGORY TOTALS	2,699	0	20,978	4	234	6,144
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	6,245	0	11,247	0	44	18,091
Cigarette Lighters	260	0	1,972	5	0	459
Cigar Tips	11	0	4,024	1	0	153
Tobacco Packaging/Wrappers	257	1	2,578	0	32	850
CATEGORY TOTALS	6,773	1	19,821	6	76	19,553
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	26	0	150	0	0	13
Batteries	7	0	672	0	5	122
Building Materials	96	0	2,352	0	13	325
Cars/Car Parts	6	0	290	0	0	53
55-Gallon Drums	56	0	57	0	0	3
Tires	9	0	467	0	1	46
CATEGORY TOTALS	200	0	3,988	0	19	562
MEDICAL/PERSONAL HYGIENE						
Condoms	16	0	2,645	0	2	7
Diapers	205	0	1,439	0	0	284
Syringes	15	0	835	0	1	13
Tampons/Tampon Applicators	98	0	554	0	0	23
CATEGORY TOTALS	334	0	5,473	0	3	327
TOTALS	20,877	54	152,689	105	1,403	55,879

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MALDIVES	MALTA	MAURITIUS	MEXICO	MOZAMBIQUE	NETHERLAND ANTILLES	NETHERLAND ANTILLES	NETHERLAND ANTILLES
					BONAIRE	CURACAO	SABA
32	0	125	6,940	9	2	10	30
207	12	70	34,264	87	8	8	21
3	0	0	1,304	0	0	0	0
384	290	100	48,152	165	55	29	756
199	230	90	17,888	18	1,597	26	134
285	320	100	9,349	517	102	72	29
162	130	0	58,935	137	1	0	559
79	10	6	6,619	29	30	16	50
61	30	0	30,255	15	179	56	59
230	65	0	16,358	34	17	3	124
26	0	0	1,307	0	0	0	0
0	0	0	3,547	0	0	0	1
0	0	0	512	0	0	0	0
125	0	0	9,503	0	2	0	17
32	6	0	2,943	5	0	3	5
1,825	1,093	491	247,876	1,016	1,993	223	1,785
1	0	35	890	3	1	0	0
34	0	150	2,674	51	0	0	16
35	1	0	705	1	0	0	41
0	0	0	288	1	0	0	0
2	0	50	329	4	0	0	1
189	2	35	856	15	20	68	12
20	0	0	359	2	0	23	12
19	0	30	454	91	0	0	1
22	0	0	655	0	0	0	0
39	0	0	1,464	6	0	0	17
1	0	2	242	0	0	0	0
29	0	2	900	8	6	0	0
44	0	20	2,634	6	13	2	32
31	0	2	337	0	0	0	2
466	3	326	12,787	188	40	93	134
536	50	0	51,909	52	0	0	0
11	10	0	1,224	2	0	0	31
0	0	0	1,534	0	0	0	0
94	20	25	2,545	19	0	0	0
641	80	25	57,212	73	0	0	31
11	1	0	308	0	5	0	5
12	2	15	1,122	3	1	0	0
137	65	0	1,946	40	130	38	2
4	10	0	531	0	1	0	3
0	0	0	274	0	0	0	0
6	12	10	435	2	8	0	0
170	90	25	4,616	45	145	38	10
0	10	0	845	3	0	0	0
27	0	0	2,014	0	0	1	0
50	0	0	789	0	0	0	2
0	0	0	302	0	0	0	0
77	10	0	3,950	3	0	1	2
3,179	1,276	867	326,441	1,325	2,178	355	1,962

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International Debris Breakdown

COUNTRY OR LOCATION	NETHERLAND ANTILLES	NETHERLANDS	NEW ZEALAND	NICARAGUA	N. MARIANA ISLANDS	N. MARIANA ISLANDS
ISLAND (IF AVAILABLE)	TOTAL				ROTA	SAIPAN
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	42	100	46	18,464	189	373
Bags (plastic)	37	123	101	91,452	601	1,183
Balloons	0	2	11	1,326	4	47
Beverage Bottles (plastic)	840	208	73	104,324	611	1,160
Beverage Bottles (glass)	1,757	237	288	15,453	264	574
Beverage Cans	203	208	290	11,635	1,354	1,435
Caps, Lids	560	64	554	44,860	187	914
Clothing, Shoes	96	20	73	13,000	65	197
Cups, Plates, Forks, Knives, Spoons	294	94	77	18,471	434	976
Food Wrappers/Containers	144	230	375	11,624	224	1,114
Pull Tabs	0	146	35	380	27	171
6-Pack Holders	1	26	2	1,013	32	125
Shotgun Shells/Wadding	0	0	5	45	0	22
Straws, Stirrers	19	57	160	16,277	70	673
Toys	8	36	22	2,548	11	72
CATEGORY TOTALS	4,001	1,551	2,112	350,872	4,073	9,036
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	1	4	0	34	3	37
Bleach/Cleaner Bottles	16	8	1	2,283	16	44
Buoys/Floats	41	0	0	623	2	34
Crab/Lobster/Fish Traps	0	0	1	207	4	7
Crates	1	3	0	89	2	5
Fishing Line	100	5	89	298	31	74
Fishing Lures/Light Sticks	35	0	306	142	2	24
Fishing Nets	1	5	2	543	5	15
Light Bulbs/Tubes	0	0	1	319	4	24
Oil/Lube Bottles	17	9	1	2,493	6	39
Pallets	0	9	0	7	0	1
Plastic Sheeting/Tarps	6	4	3	1,593	11	17
Rope	47	16	25	923	27	77
Strapping Bands	2	39	8	29	2	26
CATEGORY TOTALS	267	102	437	9,583	115	424
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	0	454	669	6,934	438	4,269
Cigarette Lighters	31	38	19	760	16	92
Cigar Tips	0	0	0	5,621	39	180
Tobacco Packaging/Wrappers	0	127	25	3,060	71	308
CATEGORY TOTALS	31	619	713	16,375	564	4,849
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	10	0	0	77	0	4
Batteries	1	6	3	619	6	169
Building Materials	170	46	175	396	24	55
Cars/Car Parts	4	1	8	85	10	71
55-Gallon Drums	0	0	0	21	0	15
Tires	8	4	9	303	1	15
CATEGORY TOTALS	193	57	195	1,501	41	329
MEDICAL/PERSONAL HYGIENE						
Condoms	0	59	3	987	8	23
Diapers	1	0	3	2,352	17	90
Syringes	2	0	0	899	0	12
Tampons/Tampon Applicators	0	30	2	588	0	18
CATEGORY TOTALS	3	89	8	4,826	25	143
TOTALS	4,495	2,418	3,465	383,157	4,818	14,781

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N. MARIANA ISLANDS	N. MARIANA ISLANDS	OMAN	PANAMA	PAPUA NEW GUINEA	PHILIPPINES	POLAND	PORTUGAL
TINIAN	TOTAL						
SHORELINE & RECREATIONAL ACTIVITIES							
193	755	0	0	0	31,107	69	10
228	2,012	27	12	173	109,385	118	36
3	54	0	1	0	4,921	0	0
309	2,080	82	163	289	21,041	1,275	75
248	1,086	47	31	183	18,234	2,920	450
1,444	4,233	56	46	328	15,762	2,609	44
331	1,432	40	34	61	20,568	395	0
54	316	4	38	3	41,843	25	2
426	1,836	33	36	8	31,620	40	2
125	1,463	23	4	17	76,240	19	0
6	204	30	0	0	3,903	2	0
148	305	0	3	0	2,904	0	0
5	27	0	0	0	3,322	0	0
190	933	20	7	0	50,267	22	0
39	122	0	2	6	14,005	17	0
3,749	16,858	362	377	1,068	445,122	7,511	619
OCEAN/WATERWAY ACTIVITIES							
8	48	0	0	5	3,278	6	4
51	111	0	13	0	5,846	8	4
36	72	9	6	0	3,259	2	2
0	11	6	1	5	3,951	1	8
1	8	3	0	0	1,939	3	1
16	121	6	3	0	5,418	0	3
17	43	0	0	1	4,219	9	60
25	45	35	1	8	5,524	8	25
10	38	0	0	0	3,894	12	5
7	52	11	12	0	4,497	11	0
4	5	0	0	0	1,823	4	1
8	36	22	0	5	12,043	19	5
59	163	23	2	8	117,110	14	15
8	36	0	0	0	3,314	0	8
250	789	115	38	32	176,115	97	141
SMOKING-RELATED ACTIVITIES							
764	5,471	10	0	0	56,376	107	300
78	186	2	11	5	11,001	96	0
18	237	0	0	0	11,339	17	2
213	592	0	0	0	11,148	67	41
1,073	6,486	12	11	5	89,864	287	343
DUMPING ACTIVITIES							
0	4	0	0	0	1,422	6	6
88	263	0	2	72	4,735	13	0
15	94	2	3	0	5,506	1	20
7	88	0	0	0	1,832	4	10
1	16	0	0	0	1,503	0	1
3	19	1	0	0	3,152	20	207
114	484	3	5	72	18,150	44	244
MEDICAL/PERSONAL HYGIENE							
27	58	0	0	0	1,797	3	4
22	129	0	3	0	25,069	4	0
5	17	0	0	0	2,233	0	0
35	53	0	7	0	4,912	0	0
89	257	0	10	0	34,011	7	4
5,275	24,874	492	441	1,177	763,262	7,946	1,351

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International Debris Breakdown

COUNTRY OR LOCATION	PUERTO RICO	QATAR	REPUBLIC OF KOREA	RUSSIA	SAINT KITTS & NEVIS	SAINT KITTS & NEVIS
ISLAND (IF AVAILABLE)					NEVIS	SAINT KITTS
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	9,862	84	71	10	525	72
Bags (plastic)	28,459	945	6,825	103	655	506
Balloons	2,116	0	281	8	356	0
Beverage Bottles (plastic)	35,623	607	4,592	109	5,695	4,348
Beverage Bottles (glass)	30,856	40	3,969	266	741	319
Beverage Cans	18,577	426	2,614	113	833	175
Caps, Lids	45,754	0	3,838	369	1,676	2,094
Clothing, Shoes	7,903	18	900	38	583	426
Cups, Plates, Forks, Knives, Spoons	51,227	193	1,434	76	1,217	1,506
Food Wrappers/Containers	21,709	39	4,182	339	916	997
Pull Tabs	2,527	0	968	140	42	21
6-Pack Holders	2,340	0	66	36	23	1
Shotgun Shells/Wadding	292	0	42	0	1	0
Straws, Stirrers	19,667	0	1,201	281	190	138
Toys	3,023	0	520	9	108	66
CATEGORY TOTALS	279,935	2,352	31,503	1,897	13,561	10,669
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	344	0	763	0	72	16
Bleach/Cleaner Bottles	1,281	0	175	1	305	202
Buoys/Floats	578	0	931	8	81	133
Crab/Lobster/Fish Traps	103	0	666	0	18	4
Crates	705	1	231	5	36	112
Fishing Line	579	43	1,087	0	78	25
Fishing Lures/Light Sticks	535	16	551	0	7	37
Fishing Nets	382	4	1,039	1	2,711	56
Light Bulbs/Tubes	281	3	207	3	77	30
Oil/Lube Bottles	1,479	1	387	6	498	128
Pallets	214	0	726	0	8	12
Plastic Sheeting/Tarps	2,439	1	2,767	4	58	26
Rope	1,303	13	2,847	5	363	484
Strapping Bands	358	0	1,957	0	46	27
CATEGORY TOTALS	10,581	82	14,334	33	4,358	1,292
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	34,102	708	12,713	547	47	283
Cigarette Lighters	1,132	4	983	23	68	43
Cigar Tips	4,703	0	49	0	2	1
Tobacco Packaging/Wrappers	1,797	0	1,397	50	38	6
CATEGORY TOTALS	41,734	712	15,142	620	155	333
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	249	0	99	1	31	18
Batteries	475	1	204	1	1	3
Building Materials	2,914	62	1,468	3	292	117
Cars/Car Parts	1,218	0	112	1	43	21
55-Gallon Drums	64	0	44	0	1	2
Tires	846	0	263	5	40	8
CATEGORY TOTALS	5,766	63	2,190	11	408	169
MEDICAL/PERSONAL HYGIENE						
Condoms	965	0	32	0	26	3
Diapers	1,373	31	31	0	15	37
Syringes	1,023	0	33	9	0	0
Tampons/Tampon Applicators	567	8	33	14	2	5
CATEGORY TOTALS	3,928	39	129	23	43	45
TOTALS	341,944	3,248	63,298	2,584	18,525	12,508

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SAINT KITTS & NEVIS	SAINT LUCIA	SAINT VINCENT & THE GRENADINES	SAINT VINCENT & THE GRENADINES	SAUDI ARABIA	SCOTLAND	SEYCHELLES	SINGAPORE
TOTAL		THE GRENADINES	TOTAL				
597	0	387	387	266	0	0	2,894
1,161	0	894	894	1,156	1,538	12	41,271
356	0	12	12	86	0	0	991
10,043	0	1,695	1,695	1,686	2,721	14	22,672
1,060	0	986	986	924	0	3	5,817
1,008	2	747	747	1,312	1,552	4	2,552
3,770	0	435	435	644	483	0	12,406
1,009	0	293	293	213	0	1	4,490
2,723	0	401	401	502	0	0	7,919
1,913	0	517	517	603	1,292	6	26,694
63	0	4	4	402	0	0	896
24	0	53	53	9	0	0	222
1	0	0	0	1	0	0	435
328	0	112	112	154	0	0	19,994
174	0	69	69	67	0	1	3,452
24,230	2	6,605	6,605	8,025	7,586	41	152,705
OCEAN/WATERWAY ACTIVITIES							
88	0	13	13	18	0	0	717
507	0	135	135	31	98	1	730
214	0	63	63	16	58	0	294
22	0	25	25	12	0	0	344
148	0	12	12	13	0	0	170
103	0	117	117	5,028	317	0	1,408
44	0	8	8	42	0	0	592
2,767	0	13	13	1	0	0	928
107	0	21	21	2	0	0	913
626	0	290	290	32	0	0	570
20	0	1	1	0	0	0	120
84	0	21	21	39	0	0	8,662
847	0	61	61	203	0	0	3,702
73	0	0	0	70	0	0	1,489
5,650	0	780	780	5,507	473	1	20,639
SMOKING-RELATED ACTIVITIES							
330	0	148	148	678	654	42	42,620
111	0	20	20	59	0	0	2,724
3	0	6	6	61	0	0	2,345
44	0	49	49	180	0	6	1,096
488	0	223	223	978	654	48	48,785
DUMPING ACTIVITIES							
49	0	29	29	1	0	0	400
4	0	30	30	28	0	0	855
409	0	66	66	104	0	0	5,541
64	0	15	15	9	0	0	639
3	0	1	1	7	0	0	126
48	1	11	11	15	0	0	162
577	1	152	152	164	0	0	7,723
MEDICAL/PERSONAL HYGIENE							
29	0	26	26	2	0	0	220
52	0	34	34	21	0	0	166
0	0	1	1	0	0	0	130
7	0	12	12	2	0	0	1,521
88	0	73	73	25	0	0	2,037
31,033	3	7,833	7,833	14,699	8,713	90	231,889

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International Debris Breakdown

COUNTRY OR LOCATION	SINT MAARTEN, DUTCH WEST INDIES	SLOVAKIA	SOLOMON ISLANDS	SOUTH AFRICA	SPAIN	SWEDEN
ISLAND (IF AVAILABLE)						
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	683	0	4	365	219	5
Bags (plastic)	1,668	100	10	5,399	822	5
Balloons	143	0	0	138	23	0
Beverage Bottles (plastic)	2,091	300	306	4,208	532	0
Beverage Bottles (glass)	2,581	10	169	1,324	388	10
Beverage Cans	3,228	25	821	555	557	10
Caps, Lids	1,975	100	0	7,459	601	5
Clothing, Shoes	503	10	8	1,120	148	1
Cups, Plates, Forks, Knives, Spoons	2,414	0	4	1,098	237	10
Food Wrappers/Containers	1,507	20	104	4,787	512	10
Pull Tabs	164	0	0	129	273	2
6-Pack Holders	248	0	0	41	60	0
Shotgun Shells/Wadding	43	0	0	20	2	1
Straws, Stirrers	1,261	0	1	3,752	126	0
Toys	191	10	1	336	70	1
CATEGORY TOTALS	18,700	575	1,428	30,731	4,570	60
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	36	2	0	332	120	0
Bleach/Cleaner Bottles	65	2	0	244	67	0
Buoys/Floats	111	0	0	117	51	1
Crab/Lobster/Fish Traps	13	1	0	39	12	0
Crates	41	0	0	127	62	0
Fishing Line	53	0	4	1,827	482	0
Fishing Lures/Light Sticks	73	0	0	165	101	2
Fishing Nets	36	0	0	123	58	0
Light Bulbs/Tubes	7	0	0	122	15	0
Oil/Lube Bottles	46	2	0	304	33	0
Pallets	29	40	0	72	14	0
Plastic Sheeting/Tarps	91	0	0	420	25	0
Rope	252	2	1	2,341	121	1
Strapping Bands	55	0	0	714	40	1
CATEGORY TOTALS	908	49	5	6,947	1,201	5
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	556	200	0	2,756	1,887	0
Cigarette Lighters	95	2	0	373	79	0
Cigar Tips	100	0	0	38	7	0
Tobacco Packaging/Wrappers	60	10	1	306	226	0
CATEGORY TOTALS	811	212	1	3,473	2,199	0
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	14	1	1	50	3	0
Batteries	49	20	2	69	7	1
Building Materials	303	50	8	342	114	0
Cars/Car Parts	119	0	0	149	23	0
55-Gallon Drums	2	0	0	37	23	0
Tires	21	2	0	258	55	0
CATEGORY TOTALS	508	73	11	905	225	1
MEDICAL/PERSONAL HYGIENE						
Condoms	142	0	0	405	84	0
Diapers	87	0	1	157	43	0
Syringes	2	0	0	15	31	0
Tampons/Tampon Applicators	35	0	0	6	126	0
CATEGORY TOTALS	266	0	1	583	284	0
TOTALS	21,193	909	1,446	42,639	8,479	66

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SWITZERLAND	TAIWAN	TANZANIA	THAILAND	TRINIDAD & TOBAGO	TRINIDAD & TOBAGO	TRINIDAD & TOBAGO	TURKEY
				TOBAGO	TRINIDAD	TOTAL	
90	15	300	1,526	682	1,722	2,404	4
122	8,330	452	7,118	1,619	5,526	7,145	65
6	69	125	27	47	93	140	0
213	3,233	673	2,873	4,869	12,003	16,872	85
971	7,265	260	2,303	1,918	8,060	9,978	72
270	1,157	140	3,485	701	2,490	3,191	3
44	4,291	234	8,269	2,832	9,810	12,642	6
32	1,152	493	1,074	451	1,888	2,339	13
172	1,144	144	2,595	1,340	11,305	12,645	51
65	556	290	3,041	1,993	6,668	8,661	2
4	262	80	1,605	18	192	210	0
21	36	35	2	15	59	74	2
0	38	5	2	3	39	42	0
25	1,566	237	3,428	246	1,477	1,723	0
21	1,592	82	247	124	444	568	19
2,056	30,706	3,550	37,595	16,858	61,776	78,634	322
SHORELINE & RECREATIONAL ACTIVITIES							
12	98	105	61	83	116	199	26
2	21	127	310	215	239	454	0
5	6,056	125	2,231	53	208	261	2
3	17	78	92	5	57	62	0
0	7	50	131	18	33	51	3
3	137	1,190	1,385	30	216	246	13
4	229	24	356	10	30	40	0
7	695	183	328	28	138	166	3
2	71	30	199	61	88	149	2
1	11	32	490	153	349	502	10
1	3	15	64	9	30	39	1
9	178	97	848	16	289	305	12
3	565	287	3,693	283	523	806	14
3	100	57	794	10	84	94	0
55	8,188	2,400	10,982	974	2,400	3,374	86
SMOKING-RELATED ACTIVITIES							
2,646	2,732	347	3,818	263	954	1,217	80
72	706	26	1,839	102	614	716	7
6	13	20	40	46	312	358	5
71	343	87	616	47	475	522	5
2,795	3,794	480	6,313	458	2,355	2,813	97
DUMPING ACTIVITIES							
18	41	0	8	29	48	77	0
9	92	76	239	10	49	59	33
39	898	78	869	119	598	717	3
7	8	29	14	30	92	122	1
1	3	31	1	3	7	10	0
1	57	56	47	15	60	75	12
75	1,099	270	1,178	206	854	1,060	49
MEDICAL/PERSONAL HYGIENE							
5	8	32	19	20	145	165	2
0	22	28	41	70	316	386	0
0	91	0	20	18	36	54	0
2	10	4	30	3	62	65	1
7	131	64	110	111	559	670	3
4,988	43,918	6,764	56,178	18,607	67,944	86,551	557

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International Debris Breakdown

COUNTRY OR LOCATION	UKRAINE	UNITED ARAB EMIRATES	UNITED KINGDOM	UNITED STATES	UNITED STATES VIRGIN ISLANDS	UNITED STATES VIRGIN ISLANDS
ISLAND (IF AVAILABLE)					ST. CROIX	ST. JOHN
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	5	270	141	95,160	773	139
Bags (plastic)	28	551	3,944	252,694	1,867	875
Balloons	0	5	68	32,224	208	41
Beverage Bottles (plastic)	45	1,041	5,842	222,670	1,628	707
Beverage Bottles (glass)	22	346	363	153,577	4,616	383
Beverage Cans	0	2,340	4,503	167,727	2,648	220
Caps, Lids	0	618	3,302	355,770	1,968	1,191
Clothing, Shoes	2	80	821	54,398	712	173
Cups, Plates, Forks, Knives, Spoons	7	447	241	170,700	1,355	381
Food Wrappers/Containers	0	353	1,984	402,595	1,046	183
Pull Tabs	0	178	77	37,333	109	52
6-Pack Holders	0	3	29	10,430	93	18
Shotgun Shells/Wadding	0	6	79	16,847	11	4
Straws, Stirrers	0	171	139	153,520	631	450
Toys	8	13	31	41,420	149	76
CATEGORY TOTALS	117	6,422	21,564	2,167,065	17,814	4,893
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	0	40	19	15,876	18	19
Bleach/Cleaner Bottles	0	9	251	8,299	31	80
Buoys/Floats	0	10	164	10,161	29	56
Crab/Lobster/Fish Traps	0	12	5	5,859	69	15
Crates	0	0	25	1,966	16	13
Fishing Line	0	86	5,959	45,317	228	123
Fishing Lures/Light Sticks	0	25	13	9,713	7	19
Fishing Nets	0	38	7,274	6,385	192	71
Light Bulbs/Tubes	0	44	4	3,786	39	9
Oil/Lube Bottles	0	77	60	7,338	29	99
Pallets	0	0	15	2,130	9	7
Plastic Sheeting/Tarps	0	69	231	22,500	232	99
Rope	3	245	559	55,263	245	466
Strapping Bands	0	29	45	17,368	46	84
CATEGORY TOTALS	3	684	14,624	211,961	1,190	1,160
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	690	1,001	2,808	1,181,589	211	453
Cigarette Lighters	12	22	61	16,257	107	50
Cigar Tips	0	0	44	73,155	107	41
Tobacco Packaging/Wrappers	11	71	48	36,592	60	16
CATEGORY TOTALS	713	1,094	2,961	1,307,593	485	560
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	0	0	61	1,633	24	2
Batteries	2	5	6	5,716	25	5
Building Materials	0	166	87	48,138	193	60
Cars/Car Parts	0	11	79	9,826	108	12
55-Gallon Drums	0	1	7	545	7	3
Tires	0	6	25	10,365	79	7
CATEGORY TOTALS	2	189	265	76,223	436	89
MEDICAL/PERSONAL HYGIENE						
Condoms	0	1	6	7,282	195	1
Diapers	0	7	5	5,195	110	6
Syringes	0	0	10	2,704	5	6
Tampons/Tampon Applicators	0	2	23	10,589	22	3
CATEGORY TOTALS	0	10	44	25,770	332	16
TOTALS	835	8,399	39,458	3,788,612	20,257	6,718

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UNITED STATES VIRGIN ISLANDS	UNITED STATES VIRGIN ISLANDS	URUGUAY	VANUATU	VENEZUELA	VIETNAM	WALES	TOTAL
ST. THOMAS	TOTAL						
1,325	2,237	1,050	710	22	0	9	300,031
2,671	5,413	3,900	600	592	8	1,230	980,067
63	312	463	0	0	0	19	75,168
1,163	3,498	677	100	343	2	4,775	1,094,921
1,904	6,903	316	25	151	0	280	440,756
851	3,719	149	75	156	0	1,596	429,167
2,368	5,527	1,577	5	311	0	541	882,936
360	1,245	300	5	32	1	570	237,283
1,509	3,245	359	0	180	6	63	524,853
1,196	2,425	1,970	70	187	9	644	853,633
62	223	9	0	0	0	6	77,434
27	138	3	5	40	0	4	40,243
62	77	2	0	0	0	3	29,339
1,135	2,216	776	0	42	0	74	433,376
86	311	135	5	20	0	18	101,830
14,782	37,489	11,686	1,600	2,076	26	9,832	6,501,037
15	52	47	0	0	0	5	38,444
24	135	28	5	3	0	93	65,872
30	115	11	0	135	1	70	49,970
14	98	11	0	1	0	6	16,820
22	51	2	2	34	0	2	10,812
85	436	45	12	31	5	1,514	92,412
9	35	19	0	0	0	16	27,951
10	273	29	1	2	1	7,583	46,899
14	62	9	0	6	0	0	25,456
27	155	7	1	50	2	11	48,541
87	103	1	0	0	0	0	15,326
211	542	259	2	2	0	53	79,252
162	873	118	20	3	2	226	241,896
48	178	25	0	120	0	33	42,125
758	3,108	611	43	387	11	9,612	801,776
1,468	2,132	1,145	0	270	23	720	1,892,526
107	264	51	0	0	0	4	56,477
382	530	810	0	1	0	11	140,856
597	673	219	0	136	4	7	136,956
2,554	3,599	2,225	0	407	27	742	2,226,815
10	36	4	3	8	0	1	7,134
25	55	40	14	28	7	9	26,205
217	470	169	22	50	0	35	108,322
160	280	18	22	8	0	3	21,613
1	11	6	0	1	0	1	4,772
14	100	4	8	12	1	14	21,858
427	952	241	69	107	8	63	189,904
80	276	257	0	0	0	2	27,366
54	170	107	26	29	0	3	55,350
3	14	7	0	0	0	0	14,555
8	33	27	0	3	2	1	26,318
145	493	398	26	32	2	6	123,589
18,666	45,641	15,161	1,738	3,009	74	20,255	9,843,121

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People/Pounds/Miles International

TOTAL NUMBER OF COUNTRIES AND LOCATIONS: 114

COUNTRY OR LOCATION	ISLAND	LAND				UNDERWATER/WATERCRAFT				TOTAL			
		PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS
American Samoa		130	2,204	3.0	112	-	-	-	-	130	2,204	3.0	112
Argentina		917	7,963	5.0	-	-	-	-	-	917	7,963	5.0	-
Aruba		-	-	-	-	35	77	0.1	50	35	77	0.1	50
Australia		53	75	3.8	-	92	241	2.6	-	145	316	6.4	-
Austria		9	24	1.2	-	52	478	3.1	31	61	503	4.4	31
Azerbaijan		40	2,646	0.9	-	-	-	-	-	40	2,646	0.9	-
Bahamas	ABACO	188	890	3.5	73	-	-	-	-	188	890	3.5	73
	ANDROS	-	-	-	-	19	310	-	-	19	310	-	-
	GRAND BAHAMA ISLAND	313	6,324	23.0	166	7	700	0.5	-	320	7,024	23.5	166
	MASSAU	1,716	156,700	8.0	25	-	-	-	-	1,716	156,700	8.0	25
	TOTAL	2,217	163,914	28.5	264	26	1,010	0.5	-	2,243	164,924	35.0	264
Bahrain		23	88	0.6	-	33	132	0.6	-	56	220	1.2	-
Bangladesh		794	2,166	26.2	454	181	432	1.0	117	975	2,598	27.2	571
Barbados		312	3,102	1.5	550	-	-	-	-	312	3,102	1.5	550
Belgium		15	44	1.2	3	37	176	1.2	15	52	220	2.5	18
Belize		478	3,819	9.0	337	-	-	-	-	478	3,819	9.0	337
Bolivia		170	4,800	1.2	-	-	-	-	-	170	4,800	1.2	-
Brazil		12,116	174,968	1,871.5	219	101	255	0.6	-	12,217	175,223	1,872.1	219
British Virgin Islands	TORTOLA	90	1,170	1.5	131	-	-	-	-	90	1,170	1.5	131
	VIRGIN GORDA	22	75	1.0	12	-	-	-	-	22	75	1.0	12
	TOTAL	112	1,245	2.5	143	-	-	-	-	112	1,245	2.5	143
Brunei		56	968	0.5	623	-	-	-	-	56	968	0.5	623
Bulgaria		25	661	2.2	-	-	-	-	-	25	661	2.2	-
Canada		28,816	219,841	915.7	9,026	222	12,718	6.6	277	29,038	232,559	922.3	9,303
Cape Verde		20	227	0.1	-	33	661	0.2	-	53	888	0.3	-
Channel Islands		295	778	9.0	-	-	-	-	-	295	778	9.0	-
Chile		4,053	100,415	11.1	4,274	-	-	-	-	4,053	100,415	11.1	4,274
China		1,889	3,423	69.8	172	12	22	0.7	3	1,901	3,445	70.5	175
Colombia		251	107,433	19.0	-	42	639	1.8	-	293	108,072	20.8	-
Cook Islands	RAROTONGA	-	-	-	-	103	1,543	1.2	-	103	1,543	1.2	-
Costa Rica		3,255	114,704	36.0	85	2	162	1.2	-	3,257	114,865	37.6	85
Croatia		-	-	-	-	52	1,012	2.8	35	52	1,012	2.8	35
Cyprus		30	331	0.3	-	15	110	0.3	-	45	441	0.6	-
Denmark		-	-	-	-	57	485	0.1	-	57	485	0.1	-
Dominica		718	45,754	18.7	1,262	-	-	-	-	718	45,754	18.7	1,262
Dominican Republic		27,601	226,878	40.7	5,023	21	128	0.5	26	27,622	227,005	41.2	5,049
East Timor		10	13	1.2	-	260	5,000	0.1	500	270	5,013	1.3	500
Ecuador		9,379	91,853	81.0	9,599	56	5,024	1.2	61	9,435	96,877	82.1	9,660
Egypt		499	14,222	13.0	48	237	9,123	1.6	49	736	23,345	14.6	97
Estonia		56	7,826	2.2	-	55	4,740	0.6	-	111	12,566	2.9	-
Fiji		123	1,352	5.0	87	2	68	0.6	1	125	1,420	5.7	88
Finland		-	-	-	-	71	11,277	1.5	5	71	11,277	1.5	5
France		136	656	2.0	38	38	860	0.8	20	174	1,515	2.8	58
Germany		286	16,437	13.1	242	224	4,012	24.0	108	510	20,450	37.1	350
Ghana		150	5,711	1.1	3	-	-	-	-	150	5,711	1.1	3
Gibraltar		-	-	-	-	29	220	0.6	-	29	220	0.6	-

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COUNTRY OR LOCATION	ISLAND	LAND				UNDERWATER/WATERCRAFT				TOTAL			
		PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS
Greece		1,982	8,503	28.8	791	73	2,734	1.9	205	2,055	11,237	30.8	996
Grenada		112	2,072	1.3	117	68	573	0.6	-	180	2,645	1.9	117
Guam		2,967	17,797	19.5	1,680	69	190	0.1	1	3,036	17,987	19.6	1,681
Guatemala		17	529	0.1	-	-	-	-	-	17	529	0.1	-
Guyana		134	2,359	7.7	130	-	-	-	-	134	2,359	7.7	130
Honduras		11	132	0.6	-	16	1,102	0.1	30	27	1,235	0.7	30
Hong Kong		4,208	41,404	27.0	2,424	65	703	2.6	36	4,273	42,107	30.0	2,460
India		15,135	80,877	179.2	1,472	-	-	-	-	15,135	80,877	179.2	1,472
Indonesia		3,045	17,211	22.0	1,958	306	4,405	5.3	185	3,351	21,616	26.9	2,143
Ireland		-	-	-	-	12	165	1.2	-	12	165	1.2	-
Israel		3,457	18,508	12.9	1,930	295	5,291	1.9	150	3,752	23,799	14.9	2,080
Italy		314	4,898	12.8	243	210	5,884	21.6	93	524	10,782	34.4	336
Jamaica		2,774	29,170	44.9	2,486	-	-	-	-	2,774	29,170	44.9	2,486
Japan		1,067	13,891	6.5	111	-	-	-	-	1,067	13,891	6.5	111
Jordan		-	-	-	-	3	24	0.7	-	3	24	0.7	-
Kenya		6,517	21,402	152.3	2,190	8	2	-	-	6,525	21,405	152.3	2,190
Lithuania		-	-	-	-	18	2,646	0.1	67	18	2,646	0.1	67
Luxembourg		-	-	-	-	26	55	0.3	-	26	55	0.3	-
Madagascar		90	441	0.6	8	17	20	0.1	-	107	461	0.7	8
Malaysia		1,495	7,166	10.0	-	325	661	2.5	-	1,820	7,827	10.9	-
Maldives		150	2,337	0.9	-	65	1,378	0.9	-	215	3,715	1.8	-
Malta		-	-	-	-	35	772	0.1	-	35	772	0.1	-
Mauritius		30	220	1.2	-	10	110	0.6	-	40	331	1.9	-
Mexico		11,998	195,335	139.0	1,694	107	2,659	3.8	6	12,105	197,994	143.2	1,700
Mozambique		39	584	1.6	42	12	11	0.1	4	51	595	1.7	46
Namibia		832	12,787	8.7	-	-	-	-	-	832	12,787	8.7	-
Netherland Antilles	BONAIRE	-	-	-	-	70	375	0.5	40	70	375	0.5	40
	CURACAO	-	-	-	-	52	44	0.5	-	52	44	0.5	-
	SABA	29	436	1.2	26	-	-	-	-	29	436	1.2	26
	TOTAL	29	436	1.2	26	122	419	1.0	40	151	855	2.1	66
Netherlands		41	152	2.8	22	155	2,008	2.0	44	196	2,161	4.8	66
New Zealand		71	479	1.3	21	23	681	1.1	5	94	1,160	2.5	26
Nicaragua		4,735	110,816	89.0	7,234	3,762	87,025	0.5	4,333	8,497	197,841	89.5	11,567
Nigeria		110	14,561	0.2	-	-	-	-	-	110	14,561	0.2	-
N. Mariana Islands	ROTA	357	999	-	-	-	-	-	-	357	999	0.0	-
	SAIPAN	683	5,147	1.1	165	-	-	-	-	683	5,147	1.1	165
	TINIAN	226	2,572	0.1	77	-	-	-	-	226	2,572	0.1	77
	TOTAL	1,266	8,718	1.2	242	-	-	-	-	1,266	8,718	1.2	242
Oman		2	220	6.3	-	33	2,282	0.9	8	35	2,502	7.2	8
Panama		80	1,500	1.4	18	-	-	-	-	80	1,500	1.4	18
Papua New Guinea		53	492	1.4	-	-	-	-	-	53	492	1.4	-
Paraguay		40	600	1.2	-	-	-	-	-	40	600	1.2	-
Peru		100	1,500	1.2	-	-	-	-	-	100	1,500	1.2	-
Philippines		145,352	525,473	148.7	19,513	381	4,430	1.2	261	145,733	529,903	149.9	19,774
Poland		117	6,907	2.4	6	20	496	2.9	-	137	7,403	5.3	6
Portugal		30	220	0.2	30	48	6,451	0.8	58	78	6,671	1.0	88

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People/Pounds/Miles International

TOTAL NUMBER OF COUNTRIES AND LOCATIONS: 114

COUNTRY OR LOCATION	ISLAND	LAND				UNDERWATER/WATERCRAFT				TOTAL			
		PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS
Puerto Rico		12,368	193,573	248.8	1,289	190	8,600	9.2	-	12,558	202,173	258.0	1,289
Qatar		45	654	0.6	-	68	264	0.1	-	113	918	0.7	-
Republic of Korea		3,862	603,109	17.5	375	155	25,587	1.8	30	4,017	628,696	19.3	405
Russia		80	439	100.3	-	-	-	-	-	80	439	100.3	-
Saint Kitts & Nevis	NEVIS	328	7,214	9.2	351	2	100	0.8	1	330	7,314	9.9	352
	SAINT KITTS	311	2,205	-	1	10	100	-	5	321	2,305	-	6
	TOTAL	639	9,419	9.2	352	12	200	0.8	6	651	9,619	9.9	358
Saint Lucia		-	-	-	-	3	18	0.1	1	3	18	0.1	1
Saint Vincent & the Grenadines	THE GRENADINES	181	3,538	2.5	123	20	346	0.1	-	201	3,884	2.6	123
	SAINT VINCENT	225	5,936	1.3	-	-	-	-	-	225	5,936	1.3	-
	TOTAL	406	9,474	3.8	123	20	346	0.1	-	426	9,820	3.9	123
Samoa		15	66	0.2	-	-	-	-	-	15	66	0.2	-
Saudi Arabia		585	4,583	1.5	245	346	5,914	1.0	56	931	10,498	2.4	301
Scotland		767	10,814	13.9	-	-	-	-	-	767	10,814	13.9	-
Seychelles		8	26	0.9	5	-	-	-	-	8	26	0.9	5
Singapore		6,356	53,442	542.6	3,808	-	-	-	-	6,356	53,442	542.6	3,808
Sint Maarten, Dutch West Indies		643	10,189	1.1	248	-	-	-	-	643	10,189	1.1	248
Slovakia		20	2,756	0.6	50	10	551	0.2	10	30	3,307	0.8	60
Solomon Islands		1	55	0.1	4	12	399	0.2	26	13	454	0.3	30
South Africa		12,496	183,807	322.6	23,081	251	1,470	0.3	18	12,747	185,277	322.9	23,099
Spain		379	2,932	12.4	24	167	2,528	4.6	12	546	5,461	17.0	36
Sweden		161	17,294	1.3	-	15	143	0.2	-	176	17,437	1.5	-
Switzerland		26	672	23.3	16	94	3,188	2.0	64	120	3,860	25.3	80
Taiwan		4,161	17,464	16.1	661	96	1,148	0.5	70	4,257	18,611	16.6	731
Tanzania		387	8,356	1.5	284	27	551	-	22	414	8,907	1.5	306
Thailand		2,545	12,308	11.6	402	212	2,866	1.3	488	2,757	15,174	12.9	890
Trinidad & Tobago	TOBAGO	368	4,298	5.7	385	15	425	0.7	21	383	4,723	6.3	406
	TRINIDAD	1,977	18,204	10.0	1,189	-	-	-	-	1,977	18,204	10.0	1,189
	TOTAL	2,345	22,502	14.7	1,574	15	425	0.7	21	2,360	22,927	16.3	1,595
Turkey		14	37	1.1	-	39	275	0.9	-	53	313	2.0	-
Ukraine		11	132	0.6	7	15	99	0.6	-	26	231	1.2	7
United Arab Emirates		449	908	0.7	126	210	1,097	0.1	123	659	2,005	0.8	249
United Kingdom		3,097	27,015	55.4	152	114	40,951	2.0	58	3,211	67,966	57.4	210
United States		241,002	4,512,032	8,933.8	148,692	4,315	116,962	186.2	1,133	245,317	4,628,994	9,120.0	149,825
United States Virgin Islands	ST. CROIX	355	2,537	6.5	275	57	715	1.0	57	412	3,252	7.5	332
	ST. JOHN	177	2,255	9.6	108	-	-	-	-	177	2,255	9.6	108
	ST. THOMAS	368	3,189	4.9	235	-	-	-	-	368	3,189	4.9	235
	TOTAL	900	7,981	20.9	618	57	715	1.0	57	957	8,696	21.9	675
Uruguay		501	8,769	10.6	370	-	-	-	-	501	8,769	10.6	370
Vanuatu		800	22,046	1.2	1,200	20	4,409	1.2	-	820	26,455	2.5	1,200
Venezuela		762	50,355	1.8	16	109	838	1.1	34	871	51,193	2.9	50
Vietnam		300	4,500	2.5	-	16	15	0.1	10	316	4,515	2.6	10
Wales		862	10,278	12.5	-	-	-	-	-	862	10,278	12.5	-
TOTAL		600,427	8,284,229	14,520.0	260,674	14,980	414,343	339.0	9,063	615,407	8,698,572	14,059.0	269,737

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NORTH PACIFIC GYRE

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United States Debris Breakdown

US STATE OR DISTRICT OF COLUMBIA	ALABAMA	ALASKA	ARIZONA	ARKANSAS	CALIFORNIA	COLORADO
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	2,210	700	46	48	29,269	88
Bags (plastic)	5,119	839	253	315	65,736	543
Balloons	339	57	25	6	6,211	12
Beverage Bottles (plastic)	6,081	1,186	464	467	25,773	526
Beverage Bottles (glass)	4,120	1,211	340	447	27,292	385
Beverage Cans	6,610	1,721	1,013	754	22,041	492
Caps, Lids	4,659	1,309	303	314	64,517	395
Clothing, Shoes	943	321	116	114	10,563	145
Cups, Plates, Forks, Knives, Spoons	3,544	478	269	206	39,254	180
Food Wrappers/Containers	5,503	1,576	336	256	124,637	616
Pull Tabs	1,010	127	44	164	8,701	60
6-Pack Holders	434	42	15	35	1,517	19
Shotgun Shells/Wadding	153	274	19	31	4,013	27
Straws, Stirrers	2,016	281	114	130	32,124	175
Toys	832	143	43	19	10,442	21
CATEGORY TOTALS	43,573	10,265	3,400	3,306	472,090	3,684
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	412	54	19	109	1,850	101
Bleach/Cleaner Bottles	159	81	1	31	809	3
Buoys/Floats	317	230	3	22	1,053	22
Crab/Lobster/Fish Traps	98	14	0	2	666	0
Crates	68	14	0	3	274	0
Fishing Line	637	229	173	647	5,804	89
Fishing Lures/Light Sticks	202	75	88	73	1,296	40
Fishing Nets	106	75	2	20	620	3
Light Bulbs/Tubes	112	19	0	3	513	10
Oil/Lube Bottles	180	76	3	62	953	47
Pallets	36	29	1	5	437	5
Plastic Sheeting/Tarps	458	108	8	16	6,422	11
Rope	630	546	32	41	5,145	128
Strapping Bands	417	113	8	33	4,219	69
CATEGORY TOTALS	3,832	1,663	338	1,067	30,061	528
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	15,877	4,079	1,259	419	335,320	1,185
Cigarette Lighters	419	42	30	274	2,921	14
Cigar Tips	891	99	0	17	16,072	19
Tobacco Packaging/Wrappers	1,141	167	20	83	8,568	86
CATEGORY TOTALS	18,328	4,387	1,309	793	362,881	1,304
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	60	3	1	13	361	5
Batteries	157	37	4	38	1,381	5
Building Materials	1,791	812	60	33	12,233	23
Cars/Car Parts	232	101	20	16	1,773	107
55-Gallon Drums	8	5	0	1	88	1
Tires	223	27	6	41	1,323	20
CATEGORY TOTALS	2,471	985	91	142	17,159	161
MEDICAL/PERSONAL HYGIENE						
Condoms	108	20	0	0	1,832	1
Diapers	148	52	11	78	787	16
Syringes	74	3	0	0	616	1
Tampons/Tampon Applicators	51	13	4	24	721	8
CATEGORY TOTALS	381	88	15	102	3,956	26
TOTALS	68,585	17,388	5,153	5,410	886,147	5,703

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CONNECTICUT	DELAWARE	DISTRICT OF COLUMBIA	FLORIDA	HAWAII	IDAHO	ILLINOIS	INDIANA
SHORELINE & RECREATIONAL ACTIVITIES							
1,884	320	180	10,374	2,526	10	2,281	577
5,383	1,224	1,170	34,469	6,647	18	5,796	856
892	270	48	3,674	1,247	0	967	472
5,281	1,437	1,346	34,895	3,342	44	5,908	935
3,977	1,042	1,543	26,197	5,280	2	3,030	658
3,202	1,170	833	25,316	2,928	77	3,341	1,084
8,497	2,917	1,042	64,485	19,039	17	13,419	2,632
862	299	99	6,672	8,173	17	1,128	250
3,801	816	797	25,182	5,797	59	4,213	1,116
13,877	2,447	1,485	53,049	12,366	90	10,189	2,700
1,056	190	119	7,224	2,231	10	1,072	146
144	39	45	1,867	299	0	285	22
321	275	33	561	297	18	199	150
4,763	1,130	310	24,707	2,902	23	4,890	1,359
1,313	336	116	4,898	932	0	1,173	352
55,253	13,912	9,166	323,570	74,006	385	57,891	13,309
OCEAN/WATERWAY ACTIVITIES							
354	140	36	2,492	541	0	217	17
94	38	2	854	480	0	51	34
349	63	18	1,464	859	0	45	16
34	20	2	427	1,093	0	29	0
28	10	2	363	179	0	33	5
814	244	139	11,387	5,947	4	137	36
170	76	3	1,940	570	12	79	28
40	48	8	815	1,976	0	35	4
84	20	5	607	338	0	41	3
84	49	13	1,090	318	0	47	19
15	31	5	279	93	0	314	4
343	158	35	3,841	560	0	715	60
730	212	26	5,845	3,177	0	281	64
230	152	20	2,070	709	0	438	71
3,369	1,261	314	33,474	16,840	16	2,462	361
SMOKING-RELATED ACTIVITIES							
30,057	11,093	997	214,248	67,070	160	33,433	13,956
322	216	42	2,552	645	3	419	52
1,547	689	163	15,192	1,550	3	2,959	687
956	261	114	5,760	1,764	2	829	162
32,882	12,259	1,316	237,752	71,029	168	37,640	14,857
DUMPING ACTIVITIES							
19	7	0	117	58	0	14	2
68	22	17	754	568	0	163	12
561	620	119	5,805	1,271	0	554	99
138	77	24	1,267	669	0	150	3
9	2	0	57	19	0	3	3
64	35	8	759	246	0	50	42
859	763	168	8,759	2,831	0	934	161
MEDICAL/PERSONAL HYGIENE							
441	44	18	1,500	130	1	376	19
100	34	15	533	215	2	109	53
35	7	2	511	81	0	41	8
493	171	24	667	122	1	347	117
1,069	256	59	3,211	548	4	873	197
93,432	28,451	11,023	606,766	165,254	573	99,800	28,885

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United States Debris Breakdown

US STATE OR DISTRICT OF COLUMBIA	IOWA	KANSAS	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	3	590	1,482	933	563	1,858
Bags (plastic)	122	787	1,538	2,824	3,587	6,363
Balloons	0	2	46	298	353	1,522
Beverage Bottles (plastic)	75	421	1,899	1,858	7,104	7,009
Beverage Bottles (glass)	55	75	1,226	1,102	1,884	3,117
Beverage Cans	71	596	1,367	1,408	2,440	3,943
Caps, Lids	0	157	2,300	1,996	5,625	10,019
Clothing, Shoes	11	19	203	491	1,161	1,308
Cups, Plates, Forks, Knives, Spoons	0	322	901	1,135	2,640	3,950
Food Wrappers/Containers	14	536	2,832	3,785	4,974	11,923
Pull Tabs	0	10	194	276	882	648
6-Pack Holders	23	1	73	82	114	178
Shotgun Shells/Wadding	0	0	8	251	292	1,016
Straws, Stirrers	0	156	1,155	734	3,325	3,913
Toys	87	103	118	327	1,409	1,699
CATEGORY TOTALS	461	3,775	15,342	17,500	36,353	58,466
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	102	0	23	246	414	535
Bleach/Cleaner Bottles	0	5	24	256	86	276
Buoys/Floats	0	0	9	1,119	96	504
Crab/Lobster/Fish Traps	0	0	3	529	51	531
Crates	1	0	1	96	22	111
Fishing Line	60	2	118	168	760	1,032
Fishing Lures/Light Sticks	80	0	51	46	141	249
Fishing Nets	9	2	17	142	48	288
Light Bulbs/Tubes	4	0	42	28	23	75
Oil/Lube Bottles	6	4	20	156	81	143
Pallets	0	2	6	38	14	68
Plastic Sheeting/Tarps	1	91	75	349	197	561
Rope	3	4	95	3,114	322	4,638
Strapping Bands	0	26	40	1,159	118	909
CATEGORY TOTALS	266	136	524	7,446	2,373	9,920
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	1	10	4,295	22,730	13,615	30,365
Cigarette Lighters	0	3	166	77	274	543
Cigar Tips	0	2	269	246	1,248	965
Tobacco Packaging/Wrappers	6	12	533	459	522	791
CATEGORY TOTALS	7	27	5,263	23,512	15,659	32,664
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	0	0	3	87	9	40
Batteries	0	0	66	30	31	94
Building Materials	5	28	286	782	509	819
Cars/Car Parts	0	5	138	84	118	142
55-Gallon Drums	1	0	1	5	11	23
Tires	17	3	23	63	203	79
CATEGORY TOTALS	23	36	517	1,051	881	1,197
MEDICAL/PERSONAL HYGIENE						
Condoms	0	1	63	54	91	250
Diapers	0	0	25	21	42	90
Syringes	0	0	4	37	80	140
Tampons/Tampon Applicators	0	2	13	179	53	631
CATEGORY TOTALS	0	3	105	291	266	1,111
TOTALS	757	3,977	21,751	49,800	55,532	103,358

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MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY
SHORELINE & RECREATIONAL ACTIVITIES							
1,138	218	2,241	0	795	0	606	617
3,186	365	3,729	32	1,163	18	1,551	4,541
2,225	31	235	0	31	8	224	1,124
1,952	324	3,328	127	745	47	996	6,167
1,323	279	5,414	112	567	44	1,118	1,674
2,096	580	3,233	88	1,151	112	1,862	2,896
7,587	462	3,706	0	466	164	1,725	16,256
813	125	639	12	96	13	431	801
2,544	365	1,769	15	405	24	1,156	6,340
8,924	2,096	4,185	13	1,369	106	3,738	9,773
596	134	567	0	72	50	248	200
136	9	183	0	14	3	21	98
590	5	139	0	165	14	219	427
4,405	229	877	0	112	42	788	13,203
1,063	59	236	2	35	2	394	1,149
38,578	5,281	30,481	401	7,186	647	15,077	65,266
OCEAN/WATERWAY ACTIVITIES							
172	44	137	1	415	4	103	258
25	5	71	0	1	0	15	114
51	10	119	0	79	0	207	172
8	0	63	0	0	0	800	66
13	0	29	0	0	0	29	94
179	16	261	0	284	6	739	528
114	7	62	0	47	5	59	344
26	2	69	0	3	6	113	84
23	2	62	0	2	0	13	89
32	2	122	0	11	0	32	115
10	1	29	0	3	0	21	71
672	51	259	0	37	2	362	83
593	12	309	0	11	3	4,226	487
266	21	200	0	7	0	669	534
2,184	173	1,792	1	900	26	7,388	3,039
SMOKING-RELATED ACTIVITIES							
26,735	5,901	11,332	0	1,133	166	23,059	24,518
312	25	130	1	25	2	68	719
4,035	32	891	0	35	0	173	4,429
383	143	784	0	138	2	192	1,137
31,465	6,101	13,137	1	1,331	170	23,492	30,803
DUMPING ACTIVITIES							
4	1	29	1	4	0	2	6
77	8	83	2	8	4	9	82
689	149	1,044	60	93	4	451	304
62	312	407	8	21	0	140	38
9	1	5	1	6	0	0	14
29	15	557	9	38	0	86	88
870	486	2,125	81	170	8	688	532
MEDICAL/PERSONAL HYGIENE							
61	11	110	0	6	0	23	126
77	13	53	0	14	0	21	54
22	7	14	0	1	0	6	96
146	5	34	0	5	7	31	1,667
306	36	211	0	26	7	81	1,943
73,403	12,077	47,746	484	9,613	858	46,726	101,583

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United States Debris Breakdown

US STATE OR DISTRICT OF COLUMBIA	NEW MEXICO	NEW YORK	NORTH CAROLINA	OHIO	OKLAHOMA	OREGON
SHORELINE & RECREATIONAL ACTIVITIES						
Bags (paper)	7	16,135	1,675	1,851	5	62
Bags (plastic)	32	22,505	5,610	6,394	36	302
Balloons	0	5,625	375	165	0	99
Beverage Bottles (plastic)	62	21,260	7,968	4,927	65	293
Beverage Bottles (glass)	19	16,848	5,171	2,595	264	348
Beverage Cans	159	16,955	6,716	4,132	369	333
Caps, Lids	21	40,787	4,821	3,196	50	1,248
Clothing, Shoes	4	5,124	1,143	626	13	130
Cups, Plates, Forks, Knives, Spoons	5	19,246	2,692	3,304	73	175
Food Wrappers/Containers	30	34,808	7,571	8,645	80	904
Pull Tabs	0	4,192	746	279	227	122
6-Pack Holders	19	1,907	146	78	1	24
Shotgun Shells/Wadding	0	2,988	112	228	0	59
Straws, Stirrers	15	21,837	1,909	1,547	28	248
Toys	4	4,479	1,000	604	1	64
CATEGORY TOTALS	377	234,696	47,655	38,571	1,212	4,411
OCEAN/WATERWAY ACTIVITIES						
Bait Containers/Packaging	0	1,742	688	338	2	66
Bleach/Cleaner Bottles	5	821	124	87	2	13
Buoys/Floats	0	1,096	251	40	0	45
Crab/Lobster/Fish Traps	0	438	52	1	0	11
Crates	0	179	25	19	0	3
Fishing Line	7	3,109	3,021	165	20	667
Fishing Lures/Light Sticks	12	915	224	69	5	100
Fishing Nets	0	413	64	19	0	23
Light Bulbs/Tubes	0	638	94	60	0	29
Oil/Lube Bottles	1	1,349	187	117	0	7
Pallets	0	175	13	8	2	5
Plastic Sheeting/Tarps	2	1,934	231	373	0	29
Rope	4	8,928	446	98	0	445
Strapping Bands	0	907	194	157	0	83
CATEGORY TOTALS	31	22,644	5,614	1,551	31	1,526
SMOKING-RELATED ACTIVITIES						
Cigarettes/Cigarette Filters	100	65,386	27,388	4,505	500	2,939
Cigarette Lighters	0	2,148	237	244	0	60
Cigar Tips	0	4,915	724	5,724	0	121
Tobacco Packaging/Wrappers	16	3,432	902	424	20	83
CATEGORY TOTALS	116	75,881	29,251	10,897	520	3,203
DUMPING ACTIVITIES						
Appliances (refrigerators, washers, etc.)	2	111	367	20	3	2
Batteries	0	1,037	98	43	9	9
Building Materials	0	7,013	986	694	0	43
Cars/Car Parts	1	792	263	529	2	12
55-Gallon Drums	2	55	35	7	0	3
Tires	3	559	2,179	270	3	12
CATEGORY TOTALS	8	9,567	3,928	1,563	17	81
MEDICAL/PERSONAL HYGIENE						
Condoms	0	700	122	101	0	19
Diapers	25	933	163	56	1	12
Syringes	0	224	25	19	0	17
Tampons/Tampon Applicators	0	3,009	86	270	2	29
CATEGORY TOTALS	25	4,866	396	446	3	77
TOTALS	557	347,654	86,844	53,028	1,783	9,298

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PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TEXAS	UTAH	VIRGINIA	WASHINGTON
SHORELINE & RECREATIONAL ACTIVITIES							
3,219	1,597	1,057	20	4,194	198	2,177	712
5,629	8,094	4,092	15	21,236	773	15,616	1,778
683	1,486	470	0	1,557	124	874	170
8,192	7,186	12,664	55	17,937	668	18,100	1,935
4,056	4,778	4,966	45	8,339	377	9,377	1,010
6,268	5,739	6,157	70	12,782	877	11,015	1,646
5,023	12,755	5,831	30	33,650	318	7,340	1,691
909	1,835	1,043	18	4,424	138	1,873	543
3,421	6,169	3,405	26	10,745	261	10,808	944
10,951	12,885	8,070	22	12,159	1,239	15,559	3,735
783	902	745	0	2,418	81	457	138
185	347	171	14	990	30	449	76
208	877	850	0	1,002	216	336	252
2,847	6,226	2,681	10	6,668	223	3,258	941
728	1,435	799	13	2,399	79	1,742	250
53,102	72,311	53,001	338	140,500	5,602	98,981	15,821
OCEAN/WATERWAY ACTIVITIES							
425	787	538	23	824	135	1,012	228
109	389	156	0	852	4	224	56
80	503	294	0	540	53	193	185
11	469	64	0	289	0	73	10
9	94	29	0	174	0	44	5
372	2,077	775	80	2,658	450	1,003	399
244	473	222	24	1,074	37	291	69
40	296	88	0	663	0	131	75
68	61	68	0	433	1	171	17
157	171	218	0	713	3	565	37
40	148	34	0	120	2	19	30
349	583	263	0	2,220	36	615	219
155	2,976	509	20	7,782	35	640	2,402
209	614	278	0	919	2	791	644
2,268	9,641	3,536	147	19,261	758	5,772	4,376
SMOKING-RELATED ACTIVITIES							
31,590	43,623	58,787	50	18,818	1,183	19,107	6,352
401	548	411	0	1,218	26	429	102
1,969	1,223	1,535	0	2,885	4	1,545	189
1,148	1,105	845	5	1,164	61	1,664	268
35,108	46,499	61,578	55	24,085	1,274	22,745	6,911
DUMPING ACTIVITIES							
110	19	12	0	72	1	58	4
144	104	89	2	278	2	102	43
3,176	1,344	1,118	7	1,819	34	1,542	710
580	201	218	5	595	13	484	35
62	16	9	2	46	0	24	0
903	112	240	5	236	19	1,605	91
4,975	1,796	1,686	21	3,046	69	3,815	883
MEDICAL/PERSONAL HYGIENE							
87	137	114	0	452	17	148	39
147	200	106	4	495	16	275	52
72	161	14	0	197	0	23	36
162	853	76	0	328	5	112	55
468	1,351	310	4	1,472	38	558	182
95,921	131,598	120,111	565	188,364	7,741	131,871	28,173

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United States Debris Breakdown

US STATE OR DISTRICT OF COLUMBIA	WEST VIRGINIA	WISCONSIN	WYOMING	TOTAL
SHORELINE & RECREATIONAL ACTIVITIES				
Bags (paper)	0	330	54	95,160
Bags (plastic)	6	1,441	80	252,694
Balloons	0	181	2	32,224
Beverage Bottles (plastic)	1	817	66	222,670
Beverage Bottles (glass)	0	1,162	21	153,577
Beverage Cans	8	1,472	51	167,727
Caps, Lids	0	4,010	34	355,770
Clothing, Shoes	4	241	24	54,398
Cups, Plates, Forks, Knives, Spoons	6	833	41	170,700
Food Wrappers/Containers	1	1,900	105	402,595
Pull Tabs	14	95	4	37,333
6-Pack Holders	0	28	0	10,430
Shotgun Shells/Wadding	0	192	0	16,847
Straws, Stirrers	0	750	23	153,520
Toys	1	292	17	41,420
CATEGORY TOTALS	41	13,744	522	2,167,065
OCEAN/WATERWAY ACTIVITIES				
Bait Containers/Packaging	0	177	0	15,876
Bleach/Cleaner Bottles	0	1,824	0	8,299
Buoys/Floats	0	27	0	10,161
Crab/Lobster/Fish Traps	0	1	0	5,859
Crates	0	7	0	1,966
Fishing Line	2	65	1	45,317
Fishing Lures/Light Sticks	0	65	0	9,713
Fishing Nets	0	5	0	6,385
Light Bulbs/Tubes	0	14	0	3,786
Oil/Lube Bottles	1	20	0	7,338
Pallets	1	11	0	2,130
Plastic Sheeting/Tarps	1	103	0	22,500
Rope	0	83	2	55,263
Strapping Bands	0	56	0	17,368
CATEGORY TOTALS	5	2,458	3	211,961
SMOKING-RELATED ACTIVITIES				
Cigarettes/Cigarette Filters	16	7,908	163	1,181,589
Cigarette Lighters	0	111	1	16,257
Cigar Tips	0	108	0	73,155
Tobacco Packaging/Wrappers	2	341	34	36,592
CATEGORY TOTALS	18	8,468	198	1,307,593
DUMPING ACTIVITIES				
Appliances (refrigerators, washers, etc.)	0	0	2	1,633
Batteries	0	25	0	5,716
Building Materials	1	169	55	48,138
Cars/Car Parts	0	23	2	9,826
55-Gallon Drums	0	6	0	545
Tires	0	20	5	10,365
CATEGORY TOTALS	1	243	64	76,223
MEDICAL/PERSONAL HYGIENE				
Condoms	0	49	2	7,282
Diapers	1	35	0	5,195
Syringes	0	110	0	2,704
Tampons/Tampon Applicators	0	31	0	10,589
CATEGORY TOTALS	1	225	2	25,770
TOTALS	66	25,138	789	3,788,612

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People/Pounds/Miles United States

TOTAL NUMBER OF US STATES AND DISTRICT OF COLUMBIA: 46

US STATE	LAND				UNDERWATER/WATERCRAFT				TOTAL			
	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS
Alabama	2,391	33,056	248.3	581	611	16,680	28.0	-	3,002	49,736	276.3	581
Alaska	806	12,135	124.9	276	-	-	-	-	806	12,135	124.9	276
Arizona	339	1,226	30.6	30	286	2,987	4.0	106	625	4,213	34.5	136
Arkansas	140	2,160	2.5	108	64	1,096	1.5	-	204	3,256	3.9	108
California	108,205	1,205,911	2,714.2	12,709	536	6,376	14.4	108	108,741	1,212,287	2,728.6	12,817
Colorado	156	1,814	-	60	11	58	-	-	167	-	-	60
Connecticut	2,196	15,078	46.3	493	57	906	3.6	38	2,253	15,984	49.9	531
Delaware	2,514	12,928	50.5	776	-	-	-	-	2,514	12,928	50.5	776
District of Columbia	195	1,938	1.4	166	7	62	-	7	202	2,000	1.4	173
Florida	24,540	324,471	1,093.9	8,004	750	24,606	43.5	324	25,290	349,077	1,137.4	8,328
Georgia	21,270	995,805	1,030.5	44,372	-	-	-	-	21,270	995,805	1,030.5	44,372
Hawaii	2,721	170,138	66.1	580	128	1,990	4.4	3	2,849	172,128	70.6	583
Idaho	23	75	1.2	13	40	50	0.5	20	63	125	1.7	33
Illinois	3,080	11,523	41.7	1,130	-	-	-	-	3,080	11,523	41.7	1,130
Indiana	752	2,479	15.9	261	15	750	0.1	-	767	3,229	16.0	261
Iowa	7	150	2.8	10	27	65	1.1	-	34	215	3.8	10
Kansas	70	1,318	2.0	73	-	-	-	-	70	1,318	2.0	73
Louisiana	989	7,503	66.5	274	-	-	-	-	989	7,503	66.5	274
Maine	1,937	11,195	119.8	143	-	-	-	-	1,937	11,195	119.8	143
Maryland	924	11,840	13.4	453	105	6,750	2.5	40	1,029	18,590	15.9	493
Massachusetts	2,886	20,268	94.8	1,618	66	394	0.3	18	2,952	20,662	95.1	1,636
Michigan	2,005	6,378	126.6	365	37	500	1.7	-	2,042	6,878	128.3	365
Minnesota	286	835	16.3	93	6	45	0.4	-	292	880	16.7	93
Mississippi	1,983	140,163	144.2	1,433	-	-	-	-	1,983	140,163	144.2	1,433
Missouri	37	450	0.1	10	10	100	0.2	-	47	550	0.3	10
Nebraska	390	2,424	37.0	257	5	127	-	12	395	2,551	37.0	269
Nevada	8	25	0.1	5	12	35	0.1	1	20	60	0.2	6
New Hampshire	1,306	6,349	21.0	270	30	2,290	-	4	1,336	8,639	21.0	274
New Jersey	2,702	30,640	59.4	1,845	84	652	1.1	-	2,786	31,292	60.4	1,845
New Mexico	103	1,251	4.1	12	3	198	0.4	8	106	1,450	4.5	20
New York	9,138	184,007	397.0	545	97	2,575	0.5	-	9,235	186,582	397.5	545
North Carolina	15,700	461,868	1,468.1	16,860	10	100	0.5	-	15,710	461,968	1,468.6	16,860
Ohio	945	25,830	72.0	1,026	-	-	-	-	945	25,830	72.0	1,026
Oklahoma	11	90	0.2	11	9	500	0.2	12	20	590	0.4	23
Oregon	3,576	76,414	8.3	3,688	12	55	1.1	-	3,588	76,469	9.4	3,688
Pennsylvania	3,342	101,439	101.2	4,104	100	6,325	11.9	202	3,442	107,764	113.1	4,306
Rhode Island	2,095	25,991	71.3	1,059	52	600	3.5	36	2,147	26,591	74.8	1,095
South Carolina	3,367	36,918	144.2	1,203	556	9,620	2.2	57	3,923	46,537	146.3	1,260
South Dakota	3	70	1.0	2	12	175	2.0	7	15	245	3.0	9
Texas	9,087	357,245	75.2	33,698	143	9,482	1.0	-	9,230	366,727	76.2	33,698
Utah	307	2,512	5.1	248	76	348	1.1	-	383	2,860	6.2	248
Virginia	5,958	174,569	266.1	4,711	199	13,555	51.5	74	6,157	188,124	317.6	4,785
Washington	1,353	31,000	126.1	4,829	93	5,644	1.1	56	1,446	36,644	127.3	4,885
West Virginia	7	23	0.5	-	-	-	-	-	7	23	0.5	-
Wisconsin	1,130	2,231	19.2	176	66	1,266	2.1	-	1,196	3,497	21.2	176
Wyoming	22	300	2.0	-	-	-	-	-	22	300	2.0	-
TOTAL	241,002	4,512,032	8,933.0	148,692	4,315	116,962	186.0	1,133	245,317	4,628,994	9,120.0	149,825

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“A day at the beach doing the Cleanup can make a world of difference—it can create awareness for the whole year.”

S.M. MUNTASIR MAMUD,
BANGLADESH COORDINATOR
(KEWKRADONG)




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10 THINGS YOU CAN DO FOR TRASH FREE SEAS



1 CAN IT
USE A TRASH CAN WITH LID



2 TAP IT
DRINK TAP WATER IN A REUSABLE BOTTLE



3 STOW IT
BE A GREEN BOATER WITH OCEAN CONSERVANCY'S GOOD MATE PROGRAM



4 BUTT IN
WRITE YOUR LEGISLATOR ASKING FOR POLICIES THAT ADDRESS OCEAN TRASH



6 REFUSE IT
BUY LESS TO REDUCE THE AMOUNT OF MANUFACTURED ITEMS WINDING UP AS TRASH IN THE OCEAN



9 REINVENT IT
SEND LETTERS OR EMAILS TO COMPANIES ASKING THEM TO REDUCE PACKAGING AND CREATE NEW OCEAN-FRIENDLY MATERIALS



10 REMOVE IT
CLEAN UP WITH THE INTERNATIONAL COASTAL CLEANUP
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5 BUTT OUT
USE AN ASHTRAY SO CIGARETTE BUTTS DON'T REACH WATERWAYS AND THE OCEAN



7 REUSE IT
TAKE ALONG YOUR REUSABLE COFFEE MUG, PICNIC SUPPLIES, OR SHOPPING BAG



8 RECYCLE IT
GO THE EXTRA MILE TO SORT AND SEPARATE ITEMS THAT CAN BE RECYCLED