

A RISING TIDE OF OCEAN DEBRIS AND WHAT WE CAN DO ABOUT IT

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PLEASE NOTE:

Ocean Conservancy's report, *A Rising Tide of Ocean Debris and What We Can Do About It*, is embargoed for release until Tuesday, March 10 at noon EDT (5pm GMT) for broadcast and publication.

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Ocean Conservancy
Start a Sea Change

A RISING TIDE OF OCEAN DEBRIS

AND WHAT WE CAN DO ABOUT IT



Ocean Conservancy
Start a Sea Change

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OCEAN CONSERVANCY

Ocean Conservancy promotes healthy and diverse ocean ecosystems and opposes practices that threaten ocean life and human life. 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 and debris 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.

COVER PHOTOGRAPH

Antarctic fur seal entangled in abandoned fishing net,
South Georgia Island, southern Atlantic Ocean.

WE ARE ALL CONNECTED TO THE OCEAN. The disheartening amount of trash afloat in the sea, littering beaches, and piling up on the sea floor affects the health of Earth's life support system, the ocean, and all the living things in it. Marine debris is more than a blemish on Nature, it is a potential threat to our food supply, to tourism and economic activity, to marine wildlife and ecosystems, and to our personal health. It even relates to the impacts of climate change. But there's good news: Marine debris is a problem we can readily solve.



THE CIRCLE OF LIFE



It's time we realize that all of us—whether we are among the large portion of the world population inhabiting the coast, or those living thousands of miles inland—are intimately connected to the ocean. The ocean is Earth's life support system. It drives and moderates our climate. It creates the weather (both good and bad). It is the ultimate source of the water we drink

and much of the oxygen we breathe. It directly feeds millions of people. It also absorbs much of the air and water pollution generated by a world population approaching seven billion. But our ocean is sick, and our actions have made it so. We must recognize that the ocean is inextricably connected to us; when we allow trash to get into the ocean, we directly affect its health. And that, as you'll learn in this report, may affect our own health and well-being.

In spite of all of the wonderful life-giving benefits provided by the ocean, most people don't yet understand what's really at stake. All of these ocean benefits—indeed, the future of life on Earth—are threatened by climate change and its direct impact on the ocean, the land, and humanity. As we work to reduce greenhouse gas emissions, we must also find ways to improve ocean health. We must make the ocean more resilient to the negative impacts already set in motion by excess carbon dioxide in the atmosphere and seawater. Tackling the major pollution problem of marine debris is a sure-fire way to make an immediate change for the better.

I'm happy to report that awareness of ocean connections is growing, as shown by exploding participation in Ocean Conservancy's International Coastal Cleanup. In September 2008, from the landlocked state of Nebraska in the United States to countries with long ocean borders like Mozambique, 390,000 people in 104 countries and locations—each concerned about the fate of our planet—walked riverbanks, lake shores, and beaches picking up trash. Among them were more than 10,600 divers and more than 1,200 boaters. These volunteers not only cleaned up trash, but logged data about

what they found. This information, amassed over the 23-year history of the Cleanup, has been integral both to raising awareness about this global problem and implementing policy changes to address it.

The ocean covers more than two-thirds of our planet. It provides 99 percent of the living space on Earth. Since the beginning of human history, we have believed it to be infinite, but it is not. We simply cannot continue to put our trash in the ocean. The evidence turns up every day in dead and injured marine life, littered beaches that discourage tourists, and choked ocean ecosystems.

To keep the circle of life intact and healthy, we must act now. This special report highlights the ways in which trash impacts ocean health, and offers solutions based on that information that every one of us can implement every day to ensure a healthy ocean for the future. The report is a global snapshot that shows how we are part of the marine debris picture—and key to the solution.

Please read the Take Action section in this report, and visit www.oceanconservancy.org on a regular basis, to find out what you can do to make a difference, including joining us on September 19, 2009, at the 24th annual International Coastal Cleanup.

For the ocean,

A handwritten signature in blue ink that reads "Vikki Spruill". The signature is fluid and cursive.

VIKKI SPRUILL
President and CEO, Ocean Conservancy

A MESSAGE FROM

PHILIPPE COUSTEAU



I grew up with the ocean. Sitting with my grandfather and listening to his life's stories—hearing the urgency in his voice—being inspired by the passion that he had for taking action for our water planet. The oceans are the life support system of this planet. They are in peril, and it is critical that we all know we have a responsibility to protect and restore the oceans because everything we do makes a difference, all of our choices have consequences.

The preservationist John Muir said it best, I believe: “When one tugs at a single thing in nature, he finds it attached to the rest of the world.”

Building on my grandfather's and father's legacy, I dedicate my work to the ocean as CEO of EarthEcho International and as an Ocean Conservancy board member. Empowering every individual to take action for a healthy and abundant planet, especially the ocean, is at the heart of what I do.

Make no mistake; we live in a time of crisis for our oceans and the challenges facing them are myriad and daunting. Climate change, the greatest environmental challenge we face, starts with the ocean. Melting sea ice, seawater that is growing more acidic, rising sea levels, and extreme weather events are affecting marine life and coastal communities right now as you read this, not tomorrow or next year or decades from now.

Removing marine debris is one way we can all take action to help the ocean adapt and become stronger in the face of climate change. But the problem of marine debris goes deeper still. While climate change and other stressors are taking a toll, trash layers the ocean floor, floats in our waterways, and harms and kills ocean wildlife, further weakening the system.

This report is a reminder that our own carelessness and indifference is proving deadly for our ocean's inhabitants. Offered here on these pages are more than mere facts and figures. The time for action is now, and true change will require taking a bold and courageous stand. There are solutions that everyone, everywhere in the world, can adopt and join in. Most of them are quite simple: throw your trash in the proper receptacles; opt for reusable bags at the grocery store; eat only sustainably caught fish; recycle. Regardless, whatever you choose to do to help the ocean, the most important thing is to do *something*, to not only be ardent advocates of conservation but also its most active participants.

The time for sea change has come. Each of us has a personal responsibility when it comes to the health of the ocean. While the challenges we face may seem overwhelming, I am a firm believer that together we can build the sustainable future of our dreams. Each of us alone. All of us together. Making a positive difference.

A handwritten signature in orange ink, appearing to read 'Philippe Cousteau', with a long horizontal stroke extending to the right.

PHILIPPE COUSTEAU

*President and CEO, EarthEcho International
Board Member, Ocean Conservancy*

EXECUTIVE SUMMARY

ACCORDING TO THE UNITED NATIONS ENVIRONMENT PROGRAMME,
 “Marine litter is one of the most pervasive and solvable pollution problems
 plaguing the world’s ocean and waterways.”

Litter can travel to the ocean from many miles inland, blown on the wind or carried along by rivers and streams. We are all responsible, from beachgoers to oil-rig workers and fishermen, for cigarette butts, food wrappers, bottles, and bags in the water. Overflowing sewage systems and storm drains add to the burden by ferrying trash from rural roads and city streets to the sea. And, despite national and international regulations against dumping, some people on boats still drop trash directly into the ocean. In recent years, organic materials that were once the most prevalent component of marine debris have been supplanted by synthetics. Not only do items like packing straps, tarps, nets, and containers last for years, but also they are often highly buoyant, traveling thousands of miles on ocean currents.

Each year, Ocean Conservancy provides a compelling global snapshot of marine debris collected at sites all over the world at the International Coastal Cleanup held the third Saturday of every September. This year’s report, *A Rising Tide of Ocean Debris*, presents data recorded by nearly 400,000 volunteers in 104 countries and locations and 42 US states at the 23rd annual Cleanup.

This report reveals the types and sources of debris and zeroes in on the startling impacts of ocean trash on wildlife and its connection to the challenge of global climate change. Its recommendations provide a roadmap for eliminating marine debris altogether by reducing it at the source, changing the behaviors that cause it, and supporting better policy.

The comprehensive body of data compiled each year at the Cleanup—the Marine Debris Index—has informed major legislation like the Marine Debris Research, Prevention, and Reduction Act of 2006, and inspired improvements

in packaging and other technologies as well as expanded recycling efforts in communities large and small.

KEY FINDINGS

1 **A tidal wave of ocean debris is a major pollution problem of the 21st century.** During the 2008 International Coastal Cleanup in September, nearly 400,000 volunteers picked up an astounding 6.8 million pounds of trash, trash that has a major impact on ocean health. Toxic materials enter the food chain, sharp items injure beachgoers, and accident-causing debris snarls boat propellers. Trash weakens economies, sapping precious dollars from tourism and our seafood industries. And it harms individual species as well as entire ecosystems, like coral reefs, that are essential for the survival of marine life.

2 **Certain categories of debris show up more often in certain places.** The Marine Debris Index is the only state-by-state, country-by-country measure of trash in our waterways and ocean. During the 2008 Cleanup, volunteers collected 11,077 diapers in the Philippines, 19,504 fishing nets in the United Kingdom, and 1,362,741 cigarette butts in the US. That’s the kind of information that helps planners at the local, regional, national, and international levels tackle marine debris effectively.

3 **Of the 43 items tracked during the Cleanup, the top three items of trash found in 2008 were cigarette butts, plastic bags, and food wrappers/containers.** All readily fall from human hands, and can be easily contained if people dispose of them carefully.

4 **Marine debris kills.** Every year, thousands of marine mammals, sea turtles, seabirds, and other animals are sickened, injured, or killed because of trash in the ocean. Animals choke or become poisoned when they eat trash, and drown when they become entangled in bags, ropes, and old fishing gear. The majority of entangled animals found during the Cleanup were bound up by old fishing line. The loss of wildlife affects not only the beauty and health of the planet, but also countless local economies based on the bounty of the sea.

5 **Marine debris degrades ocean health and compromises its ability to adapt to climate change.** Marine debris is yet another stress on an ocean already facing transformation due to global climate change in the guise of rising sea levels, warming water, and changing ocean chemistry. As marine organisms and ecosystems struggle to adapt to climate change, we can improve their resilience and help to give them a fighting chance by eliminating the stresses caused by human impacts like trash in the ocean.

RECOMMENDATIONS

Humans have created the marine debris problem, and humans must take responsibility for it. How big is the challenge? In 2008, a major report from the National Research Council titled *Tackling Marine Debris in the 21st Century* recommended a goal of discharging zero waste into marine environments.

The Cleanup data tells us that we are putting huge quantities of dangerous items into the ocean. Based on the accumulated evidence put forth in this report and over the past 23 years, Ocean Conservancy recommends the following actions to end marine debris:

1 **Expand public and private partnerships to monitor and reduce marine debris.** Ending marine debris requires everyone's participation. More corporations and private citizens have joined government, foundations, and non-governmental organizations in the environmental arena and helped shape change as never before. We must find every opportunity to pull all stakeholders into solution scenarios.

2 **Fund increased research on the sources and impacts of marine debris.** We need science-based solutions. Armed with knowledge, we can focus our attention on particular areas of greatest vulnerability and target sources and types of marine debris that are proving the most harmful. Bolstered by information about what these things are, where they originate, and their quantities, we can work more efficiently and effectively to reduce litter at the source in addition to cleaning up what's already out there.

THE NATIONAL RESEARCH COUNCIL
RECOMMENDED A GOAL OF DISCHARGING
ZERO WASTE INTO MARINE ENVIRONMENTS.

3 **Reduce, reuse, recycle.** Much of what winds up in the ocean wasn't truly necessary in the first place. We can produce less packaging up front and cut back on debris through programs that encourage positive changes in behavior such as recycling and the routine use of cloth grocery bags.

4 **Seek better technological solutions.** Human ingenuity has already closed in on some of the breakthroughs we need to reduce marine litter, such as bottle designs that use less plastic and environmentally friendly materials.

5 **Support the inclusion of comprehensive ocean management in all climate change initiatives.** Citizens must vote for and actively support climate change policies that protect the ocean. Government, for its part, must lead with policy changes that include strategies to minimize the negative impacts climate change has on the ocean and policies that reduce sources of marine debris.

6 **Engage in community efforts like the International Coastal Cleanup.** Events like the Cleanup really do make a difference, whether making the local beach or shoreline free of debris or raising awareness and empowering individuals to support a healthier, more resilient ocean.

CLEANUP RESULTS

THE
MARINE
DEBRIS
INDEX



The International Coastal Cleanup is the world's largest volunteer effort of its kind for the ocean. On one day in September 2008 during the 23rd annual Cleanup, 390,881 volunteers in 104 countries and locations around the world, as well as in 42 US states and the District of Columbia, collected an astonishing 6.8 million pounds of debris, the equivalent of 17 pounds for every participant.



INTERNATIONAL COASTAL CLEANUP

PARTICIPATING COUNTRIES

AND
LOCATIONS

- Argentina
- Aruba
- Australia
- Austria
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belgium
- Belize
- Bermuda
- Brazil
- British Virgin Islands
- Canada
- Cayman Islands
- Chile
- China
- Colombia
- Cook Islands
- Costa Rica
- Croatia
- Cyprus
- Denmark
- Dominica
- Dominican Republic
- East Timor
- Ecuador
- Egypt
- Estonia
- Fiji
- Finland
- France
- French Polynesia
- Germany
- Ghana
- Greece
- Grenada
- Guam
- Guatemala
- Guyana
- Honduras
- Hong Kong
- Hungary
- India
- Indonesia
- Iran
- Ireland
- Israel
- Italy
- Jamaica
- Japan
- Jordan
- Kenya
- Kuwait
- Malaysia
- Maldives
- Malta
- Marshall Islands
- Mauritius
- Mexico
- Mozambique
- Netherlands Antilles
- Netherlands
- New Zealand
- Nicaragua
- Nigeria
- Northern Mariana Islands
- Oman
- Palau
- Paraguay
- Philippines
- Poland
- Portugal
- Puerto Rico
- Qatar
- Republic of Korea
- Russia
- Saudi Arabia
- Seychelles
- Singapore
- Slovakia
- Slovenia
- Solomon Islands
- South Africa
- Spain
- Sri Lanka
- St. Kitts and Nevis
- St. Vincent and the Grenadines
- Sweden
- Switzerland
- Taiwan
- Tanzania
- Thailand
- Trinidad and Tobago
- Turkey
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- US Virgin Islands
- Uruguay
- Vanuatu
- Venezuela
- Vietnam



MOZAMBIQUE



PHILIPPINES

TOP TEN MARINE DEBRIS ITEMS

| RANK | DEBRIS ITEM | NUMBER OF DEBRIS ITEMS | PERCENTAGE OF TOTAL DEBRIS ITEMS |
|------|-------------------------------------|------------------------|----------------------------------|
| 1 | Cigarettes/Cigarette Filters | 3,216,991 | 28% |
| 2 | Bags (Plastic) | 1,377,141 | 12% |
| 3 | Food Wrappers/Containers | 942,620 | 8% |
| 4 | Caps, Lids | 937,804 | 8% |
| 5 | Beverage Bottles (Plastic) | 714,892 | 6% |
| 6 | Bags (Paper) | 530,607 | 5% |
| 7 | Straws, Stirrers | 509,593 | 4% |
| 8 | Cups, Plates, Forks, Knives, Spoons | 441,053 | 4% |
| 9 | Beverage Bottles (Glass) | 434,990 | 4% |
| 10 | Beverage Cans | 401,412 | 4% |
| | ▶ Top 10 Total Debris Items | 9,507,103 | 83% |
| | ▶ Total Debris Items Worldwide | 11,439,086 | 100% |

Source: Ocean Conservancy/2008 International Coastal Cleanup

Slogging through sand and mud along an estimated 17,000 miles of coastline, Cleanup volunteers bagged up 11,439,086 million pieces of trash, from cigarette butts to grocery bags to fast-food wrappers. They removed more than 400 pounds of debris for every mile of beach cleaned.

From families and friends to students and scout troops, devoted volunteers banded together and got down to work. They energetically scooped up trash along lakes, rivers, streams, and ocean beaches, leaving debris-free shorelines in their wake. Aboard boats, 1,236 people collected 38,224 pounds of debris that could not be reached from land, and 10,600 divers (organized by the Project AWARE Foundation), dove below the water's surface to haul out 219,528 pounds. During the course of the Cleanup, a total of 6,485 sites, from beaches in South Korea to rivers and waterways in Kansas, were made pristine.

Sadly, people everywhere keep dropping trash where it can reach the ocean, continuing their contributions to the tide of marine debris. That's why the Cleanup is organized to generate data helpful in preventing the trash that pollutes the ocean. Each year, Cleanup volunteers tally every single item they recover, from drink-stirrers and light bulbs to

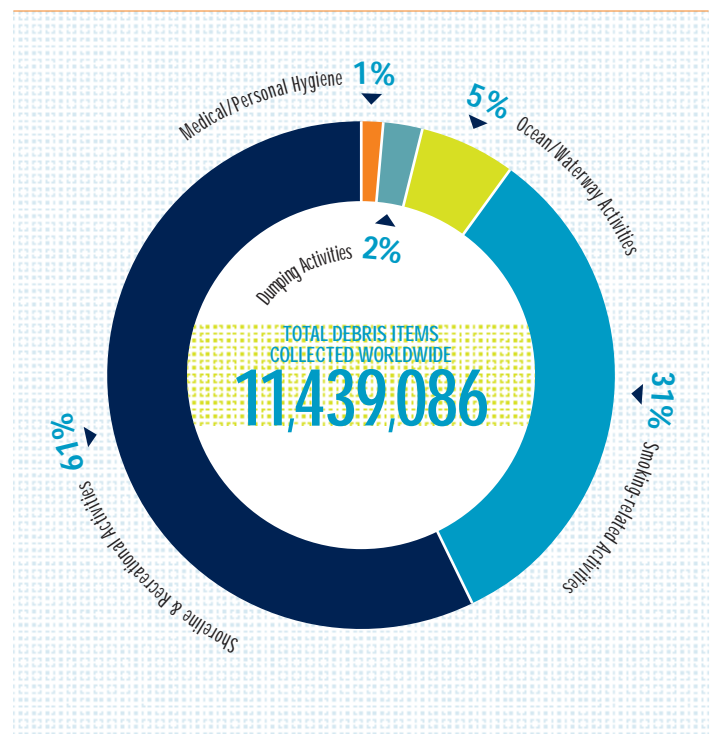
55-gallon industrial drums and household appliances. They log each item on standardized data cards by item and source (see definitions on page 10), then submit the data to Ocean Conservancy for compilation and analysis. The resulting Marine Debris Index helps identify the sources of marine debris so it can be prevented in the first place. (For the complete Index and methodology, including state-by-state and country-by-country breakdowns, see pages 34 through 47; visit www.oceanconservancy.org to view additional information.)

Better Data Means Better Decision-making

Trash in the ocean is more than an eyesore—it impacts everything from ocean health (and potentially human health) to local economies, especially those based on tourism and fisheries. As this report helps to demonstrate, marine debris also directly threatens wildlife and reduces the resilience of the ocean in the face of climate change impacts. The ocean, far from limitless in its ability to absorb our refuse, now suffers from clogged shorelines, huge amounts of trash floating thousands of miles out at sea, and accumulations that smother life on the sea floor. To combat the unsightly and dangerous debris in our ocean, we need knowledge about exactly what we are putting out there. The Marine Debris Index paints that picture, item by item.

Of the *individual items* tracked, cigarettes and cigarette filters were the most prevalent found during the Cleanup, with 3,216,991 removed from beaches and inland waterways; they accounted for more than twice the number of any of the other 43 debris items tracked. Second on the list are plastic bags (1,377,141), which accounted for one in ten items collected. The largest overall *source of debris* was Shoreline and Recreational

WORLDWIDE SOURCES OF MARINE DEBRIS



Source: Ocean Conservancy/2008 International Coastal Cleanup

Activities, which accounted for 61 percent of all debris items and includes beverage bottles and cans along with food wrappers and containers. Clearly, the ways in which we dispose of these items after eating and drinking often lead to trash in the ocean. And while items from Dumping may be fewer in number than others, 55-gallon drums (2,144) containing toxic liquids like pesticides (or their residue) and medical syringes (10,817) contribute significantly to ocean pollution as well. A look back at the past five years of data shows that the top ten debris items have remained the same over time,

CONSIDERING THAT THE AVERAGE PERSON IN THE US GENERATES MORE THAN FOUR POUNDS OF TRASH EVERY DAY, THE TOTAL AMOUNT OF MARINE DEBRIS COLLECTED IN THE CLEANUP COULD BE EQUATED TO THE DAILY TRASH OF 1.5 MILLION AMERICANS.

SOURCES OF MARINE DEBRIS BY REGION

Source: Ocean Conservancy/2008 International Coastal Cleanup

| SOURCE | AFRICA | NORTH AMERICA | CENTRAL AMERICA | SOUTH AMERICA | CARIBBEAN | SOUTHEAST ASIA | WESTERN ASIA | EUROPE | OCEANIA |
|-------------------------------------|--------|---------------|-----------------|---------------|-----------|----------------|--------------|--------|---------|
| Shoreline & Recreational Activities | 85.1% | 53.1% | 23.7% | 71.2% | 81.5% | 79.6% | 47.4% | 57.3% | 72.4% |
| Ocean/Waterway Activities | 1.6% | 4.9% | 1.6% | 5.9% | 5.3% | 7.3% | 3.2% | 29.0% | 4.4% |
| Smoking-related Activities | 9.0% | 35.2% | 74.0% | 19.1% | 9.8% | 11.1% | 47.0% | 9.1% | 19.7% |
| Dumping Activities | 2.3% | 2.1% | 0.3% | 2.4% | 2.2% | 1.1% | 1.5% | 2.7% | 2.7% |
| Medical/Personal Hygiene | 1.9% | 4.7% | 0.4% | 1.4% | 1.2% | 0.9% | 0.8% | 2.0% | 0.9% |

and Shoreline and Recreational Activities held their position as the top source of marine debris.

The marine debris problem is solvable, and often through relatively simple or existing measures. Armed with knowledge about the most prevalent components of marine debris, elected officials can make informed policy decisions, community leaders can tailor and expand recycling and other trash-reduction programs, corporate decision makers can improve technology and reduce packaging, and individuals can recycle, reuse, or properly dispose of trash to keep these items out of the ocean in the first place.

trips, picnics, sports and recreation, and festivals. Litter washes into the ocean from streets, parking lots, and storm drains.

- **Ocean/Waterway Activities.** People engaged in recreational fishing and boating, commercial fishing, cargo/military/cruise ship operations, and offshore industries such as oil drilling contribute to marine debris.
- **Smoking-related Activities.** Careless disposal of cigarette filters, cigar tips, lighters, and tobacco product packaging is common on both land and sea.
- **Dumping.** Legal and illegal dumping of domestic and industrial garbage, construction materials, or large household appliances puts big quantities of harmful items into the ocean.
- **Medical/Personal Hygiene.** Items ranging from tampons and disposable diapers to syringes enter the water most often through sewer systems.

THE TOTAL WEIGHT OF GARBAGE COLLECTED (3,402 TONS) MATCHES THE WEIGHT OF 18 BLUE WHALES, THE LARGEST WHALE IN THE WORLD.

Sources of Marine Debris

Where does all the trash in the ocean originate? Knowing the answer to that question leads to better management plans and policies to stop it. To gain a more complete and useful picture of marine debris, this report defines several sources to help identify how specific items enter the ocean:

- **Shoreline and Recreational Activities.** The majority of marine debris comes from land-based activities like eating fast food and discarding the wrappers, beach

Regional trends are yet another useful tool for local planners working to identify and manage sources of specific debris items. As the chart on this page shows, in Africa, Shoreline and Recreational Activities was the largest category, whereas in Central America, Smoking-related Activities dominated. Europe had a greater share of Ocean/Waterway Activities than other regions. North America had the largest portion of Medical/Personal Hygiene items, like tampons and syringes, for a total of five percent,



compared to less than two percent for other parts of the world. Differences in individual items could help target specific actions. For instance, in the Philippines volunteers found 11,077 disposable diapers.

Participation

In a remarkable act of solidarity and community, individuals working at the same time and with a shared sense of urgency bagged and recorded debris. The number of participating countries and locations jumped by more than 30 percent in 2008 over 2007, to 104—a powerful demonstration that awareness of the marine debris problem is surging around the globe. About half of the volunteers were outside of the US, where the Philippines, Canada, and Japan had the greatest volunteer turnout. Volunteers came from countries as large as India and Brazil as well as one of the world's smallest nations, the island of Palau.

The greatest turnout came from the US, where 183,194 volunteers collected 3,661,455 pounds of trash along an estimated 9,000 miles of shoreline. They worked in 42 states and the District of Columbia. California had the largest cleanup in the US, with one out of five volunteers nationally.

TOP TEN PARTICIPATING COUNTRIES AND LOCATIONS

| RANK | COUNTRY AND LOCATION | NUMBER OF VOLUNTEERS |
|------|-------------------------------|----------------------|
| 1 | United States | 183,194 |
| 2 | Philippines | 37,728 |
| 3 | Canada | 34,320 |
| 4 | Japan | 13,887 |
| 5 | Brazil | 11,731 |
| 6 | Mexico | 9,543 |
| 7 | Puerto Rico | 8,637 |
| 8 | Ecuador | 8,379 |
| 9 | South Africa | 7,003 |
| 10 | India | 6,147 |
| | ▶ 104 Countries and Locations | 390,881 |

Source: Ocean Conservancy/2008 International Coastal Cleanup

TOP TEN PARTICIPATING US STATES

| RANK | US STATE | NUMBER OF VOLUNTEERS |
|------|---|----------------------|
| 1 | California | 73,691 |
| 2 | Florida | 32,696 |
| 3 | North Carolina | 18,330 |
| 4 | New York | 6,494 |
| 5 | New Jersey | 5,872 |
| 6 | Virginia | 5,710 |
| 7 | Alabama | 3,925 |
| 8 | Texas | 3,573 |
| 9 | Illinois | 3,227 |
| 10 | Massachusetts | 3,077 |
| | ▶ 42 US States and District of Columbia | 183,194 |

Source: Ocean Conservancy/2008 International Coastal Cleanup

MARK YOUR CALENDAR FOR THE NEXT INTERNATIONAL COASTAL CLEANUP ON SEPTEMBER 19, 2009. VISIT WWW.COASTALCLEANUP.ORG TO SIGN UP.

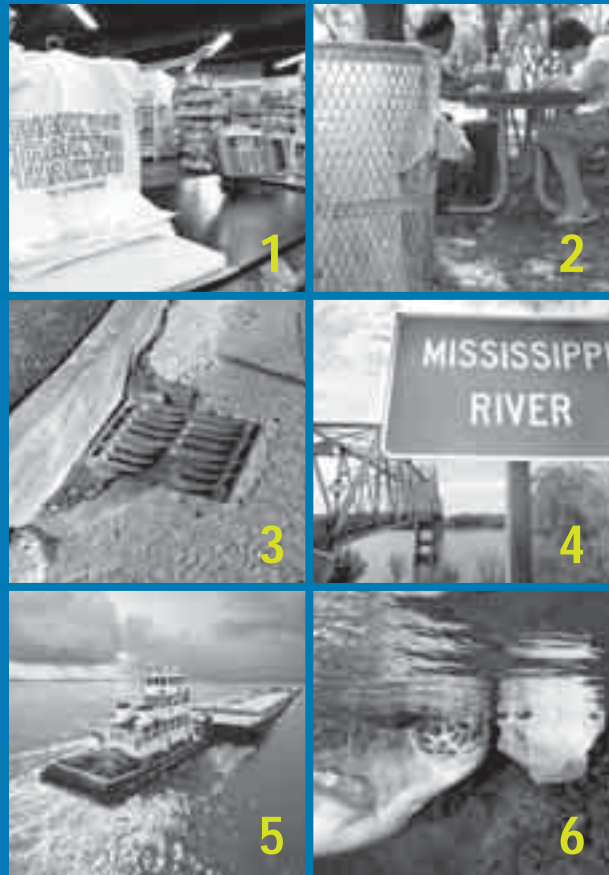
TRASH MOVES FROM LAND TO SEA

Trash travels. A plastic bag carried from a store in Memphis, Tennessee, blows from a picnic table, washes down a storm drain to the river, and winds up being eaten by a sea turtle in the Gulf of Mexico (see photos at right). That's why the International Coastal Cleanup takes place on lakes and inland waterways as well as the ocean's shores.

Data from the Cleanup confirms that the same items that litter the landscape show up on the ocean's shores. Cigarettes/cigarette filters were the number-one debris item removed from both coastal (2,447,482 butts) and inland (769,509 butts) cleanups. With 73 percent of volunteers in coastal areas, compared to just 27 percent inland, the International Coastal Cleanup hopes to enlist more volunteers to help clean up lakes and inland waterways.

The Environmental Protection Agency, a key Cleanup partner since the start, understands the land-to-sea connection. The EPA-funded report *National Marine Debris Monitoring Program: Final Program Report, Data Analysis and Summary* estimates that in the US more than half of all marine debris originates from land-based activities.

SIX DEGREES OF IMPACT



COASTAL VS. INLAND SOURCES OF MARINE DEBRIS

| SOURCE | NUMBER OF COASTAL DEBRIS ITEMS | NUMBER OF INLAND DEBRIS ITEMS | TOTAL NUMBER OF DEBRIS ITEMS |
|-------------------------------------|--------------------------------|-------------------------------|------------------------------|
| Shoreline & Recreational Activities | 4,974,667 | 2,014,605 | 6,989,272 |
| Smoking-related Activities | 2,653,844 | 882,057 | 3,535,901 |
| Ocean/Waterway Activities | 506,276 | 92,440 | 598,716 |
| Dumping Activities | 133,183 | 73,975 | 207,158 |
| Medical/Personal Hygiene | 68,476 | 39,563 | 108,039 |
| ▶ Totals | 8,336,446 | 3,102,640 | 11,439,086 |

Source: Ocean Conservancy/2008 International Coastal Cleanup

MARINE WILDLIFE FOUND ENTANGLED IN MARINE DEBRIS

| | BALLOONS | BEVERAGE BOTTLES | BEVERAGE CANS | BUILDING MATERIALS | CRAB, LOBSTER, FISH TRAPS | FISHING HOOKS | FISHING LINE | FISHING NETS | PLASTIC BAGS | RIBBON/STRINGS | ROPE | SIX-PACK RINGS | TIRES | WIRES | TOTAL WILDLIFE |
|---------------------------|----------|------------------|---------------|--------------------|---------------------------|---------------|--------------|--------------|--------------|----------------|-----------|----------------|----------|----------|----------------|
| Amphibians | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 7 |
| Birds | 1 | 4 | 1 | 0 | 0 | 3 | 57 | 4 | 9 | 5 | 13 | 1 | 0 | 1 | 99 |
| Fish | 0 | 16 | 10 | 0 | 21 | 4 | 70 | 33 | 24 | 2 | 9 | 4 | 1 | 3 | 197 |
| Invertebrates | 0 | 12 | 4 | 1 | 35 | 1 | 12 | 24 | 11 | 4 | 9 | 3 | 4 | 2 | 122 |
| Mammals | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 8 |
| Reptiles | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 3 | 1 | 0 | 0 | 10 |
| Total Debris Items | 1 | 35 | 15 | 1 | 56 | 8 | 143 | 67 | 47 | 12 | 36 | 10 | 6 | 6 | 443 |

Source: Ocean Conservancy/2008 International Coastal Cleanup

Dangers to Wildlife

The trash collected during the 2008 Cleanup illustrates the scope of the hazards faced every single day by wildlife in the ocean. Marine debris not only entangles marine life, but injures and kills animals that eat it.

Volunteers discovered 443 animals and birds entangled or trapped by marine debris, of which 268 were found alive and released. Fish, including sharks, stingrays, and seahorses, were the most prevalent (44 percent); volunteers found abandoned traps stuffed to the gills with doomed fish, and sharks tangled in rope or old nets. Invertebrates like octopuses, crabs, lobsters, and jellyfish were the second largest category, and birds came in third. Fishing-related items, including line, nets, rope, hooks, and crab/lobster/fish traps, accounted for the most entanglements: 69 percent, or three of every five animals found.

FOR THE COMPLETE MARINE DEBRIS INDEX
GO TO PAGE 34.



NORTHWESTERN HAWAIIAN ISLANDS

MARINE DEBRIS KILLS



Marine debris sickens, injures, and kills wildlife in and around waterways everywhere as ocean winds and currents circulate dangerous trash all across the world. Leaking chemical drums, cast-off motor-oil bottles and paint cans, rusting cars and household appliances, and many other items we dump into the sea affect not only wildlife but also the ecosystems they depend on for food, shelter, and the rearing of young. And when toxic materials from marine debris get into the seafood supply they may compromise human health.

Trash travels thousands of miles in the ocean, touching the most remote places. To protect wildlife and ourselves, we have to stop marine debris at its source.

Every year, thousands of marine mammals, sea turtles, seabirds, and other animals are injured or killed by encounters with dangerous items we've carelessly allowed to reach the ocean. A fatal attraction to items like plastic bags, cigarette butts, and discarded fishing line and gear poses great hazards to the health of marine life throughout the ocean. Many species, like Hawaiian monk seals (see photo on page 16) that number just 1,200 today, are already critically endangered, raising the stakes when it comes to the impacts of marine debris.

Ingesting Marine Debris: The Unhealthiest Diet

Many birds, dolphins, seals, turtles, and fish eat things they shouldn't—like bottle caps and toothbrushes. Few can regurgitate unhealthy items, resulting in a false sense of fullness that causes them to stop eating and slowly starve to death. Ingested trash can also cause choking, blockage of the digestive system, or toxic poisoning.

THOUSANDS OF MARINE MAMMALS, SEA TURTLES,
AND SEABIRDS ARE INJURED OR KILLED BECAUSE
OF ENCOUNTERS WITH DANGEROUS ITEMS

Mounting Evidence: Every day, animals in the ocean suffer because of marine debris. A growing body of research has raised the alarm, from studies of the tiniest phytoplankton that have absorbed toxic materials from plastic to surveys of porpoises and whales drowned when discarded or abandoned ropes or fishing nets entangle them underwater. Sea turtles, of which six out of seven species are threatened or endangered, may mistake waterborne plastic bags and balloons for jellyfish (a favorite food) and die when the plastic chokes them or clogs their digestive systems. Seabirds, attracted to any small bits of trash, commonly consume plastic pellets, bottle caps, string, and cigarette butts.



- Scientists recently found a dead sperm whale with 440 pounds of fishing gear in its stomach.
- A study of northern fulmar seabirds found dead on Dutch beaches revealed that 98 percent had plastic in their stomachs.
- In Florida, 12 stranded dolphins had fishing gear in their stomachs, mouths, or throats, and some had line tangled from their stomachs to their mouths.

Plastic, the most prevalent component of marine debris, poses hazards because it persists so long in the ocean, degrading into tinier and tinier bits that can be consumed by the smallest marine life at the base of the food web. The National Research Council's 2008 report *Tackling Marine Debris in the 21st Century* states that plastics collect toxic compounds that then get into the bodies of organisms that eat the plastic. These compounds may travel through the food web, though the evidence on human health effects thus far is inconclusive. Research is needed to determine just how this process might impact not only wildlife but also our food supply.



NORTHWESTERN HAWAIIAN ISLANDS

Plastic in the ocean includes not only whole or fragmented consumer items, but also the pellets that are used to manufacture them. Plastic fragments and pellets can be found on beaches worldwide. Measureable amounts of small plastic debris have been found on each of the remote Northwestern Hawaiian Islands, home to the critically endangered Hawaiian monk seal and more than a million seabirds. In one study, 87 percent of the plastic collected was plastic fragments and 11 percent consisted of pre-production plastic pellets. The pellets spill and travel to the ocean through sewer systems, rivers and streams, and even on the wind.

Entanglement: A Treacherous Web We Weave

Every item we allow into the ocean adds to the dangerous marine debris obstacle course confronting wildlife. Curious seals poke their noses into food containers, yogurt cups, or bottles, and then get stuck, which prevents them from eating or even breathing. Playful dolphins swirl around

discarded fishing nets and rope, becoming entangled. Even mighty whales are no match for marine debris; they, too, get wrapped up in abandoned fishing lines, nets, and ropes floating in the water. Victims of lost fishing gear may drown immediately, or drag the debris around until they weaken and die.

Debris doesn't just affect animals on the move; those living anchored to the sea floor are also vulnerable. Tarps, nets, tires, and other dangerous items, moved around by ocean currents, scrape, smother, and break delicate sea fans, sponges, coral, and other life on the ocean floor or reefs. In one study of recovered derelict nets and the sea life they had collected, a fifth of the total weight of debris found in nets was attributed to pieces of coral the nets had broken off and scooped up.

Fishing nets abandoned in the water can travel the sea over many years, trapping significant numbers of fish through a phenomenon known as "ghost fishing."



URUGUAY

Researchers off the coast of Newfoundland, for instance, retrieved ten lost nets that in six months had accumulated 20,000 cod, a species already on the brink of collapse because of overfishing. Lost fishing traps used to catch crabs, lobsters, and octopuses become fatal prisons. Traps in one Japanese bay caught and killed twice as many octopuses as commercial fishermen caught. In the Chesapeake Bay and its tributaries, where the blue crab population has crashed, every crab lost means one step further away from recovery for a species that provides economic support for entire communities.

Lost or cast-off fishing gear also has indirect impacts on wildlife when it transports species to ecosystems where they don't belong. In 2004, scientists reported the first known case of the Asian sea anemone colonizing the Hawaiian Islands; abandoned fishing gear likely gave the anemone a ride. The impacts of these particular hitch-hikers are yet to be discovered, but unwelcome transplants like them can destroy habitat and introduce diseases. The arrival of a new

CHANGING BEHAVIORS THAT CAUSE MARINE DEBRIS

Stopping the flow of trash in the ocean is difficult in part because changing human behavior is so difficult. But the right approach can make a difference: On a Florida fishing pier, a program launched by Ocean Conservancy and its partners is successfully changing actions that cause great harm to wildlife: Fishers are now recycling used fishing



line instead of discarding it where it can get into the water and kill marine animals. Volunteers talk directly with them to explain the dangers and the option of recycling; collection bins on the pier make recycling easy. No single silver bullet can end the marine debris problem, but programs like this one offer hope. They can be replicated in many locations, rippling out across the globe to change the behaviors that put trash in the water.

species in an ecosystem can critically affect the food supply and interactions between predators and prey.

While these impacts may seem daunting, the fact remains that marine debris is a problem we can manage if we all take part in the solutions. Eliminating marine debris would save the lives of countless ocean animals and countless dollars lost in our tourism and fishing industries.

CLIMATE CHANGE AND MARINE DEBRIS



Marine debris is yet another stress on an ocean already beleaguered by many other human-caused stresses including coastal development, pollution, overfishing, and now climate change. As the engine that drives our planet's climate, the ocean is on the front lines of climate change. It absorbs half of the carbon dioxide (CO₂) we've pumped into the sky from the burning of fossil fuels and most of the extra heat produced by the greenhouse effect. Indeed, the ocean is the unsung hero in this battle. But it's also a most vulnerable victim.

We are already seeing the effects of climate change: Melting ice, the acidification of ocean water, rising sea levels, and extreme weather events are affecting marine life and coastal communities right now. Even if we were to stop all CO₂ emissions today, we would not escape climate change impacts set in motion from excess CO₂ already in the atmosphere—and in the ocean. The reality is that the concentration of CO₂ in the atmosphere has risen by 35 percent in the last 175 years, and the increase is accelerating.

The added burden of climate change on top of other escalating stressors is creating a perfect storm of impacts that threatens the future of ocean ecosystems and life. Marine debris is one of the straws that together could break the camel's back—in this case, the ocean's health.

A Sick, Stressed-out Ocean Needs to be Fully Resilient to Better Adapt to Climate Change

By eliminating stresses including marine debris that degrade the integrity and health of ocean ecosystems, we can help give the ocean a fighting chance to adapt to the impacts of ocean climate change. A healthier ocean will be a more resilient ocean.

Think of the human body. When attacked by disease, its resistance and ability to recover from other stresses and diseases is diminished. Just as a person with emphysema or pneumonia would be less likely than a healthy person to survive working in a coal mine, an ocean compromised by many ills is less likely to survive the challenges of climate change.

In some places, reducing marine debris could be part of the cure, increasing the odds that some ocean animals and ecosystems can adapt. Human activities such as the dumping of trash and debris, the discharge of pollutants or excess fertilizers, overfishing, and destruction of habitats by coastal development all reduce the ocean's resilience—its ability to resist and recover from stresses. From wildlife like endangered sea turtles and the Hawaiian monk seal to biologically-rich ecosystems like coral reefs, life in the ocean will be healthier, more resilient, and better able to adapt to climate change in the absence of debris-related impacts.

CLIMATE CHANGE POLICY: ADVANCING ADAPTATION

Scientists tell us that to avoid severe impacts from climate change, we need to keep the concentration of CO₂ in the atmosphere below 350 parts per million (ppm)—but the level is already more than 385 ppm and rising rapidly. Therefore, energy policy reform that leads to the immediate and substantial reduction of greenhouse gas emissions must be the cornerstone of legislative efforts by the Congress and the Obama administration.

But reducing emissions is only part of the solution for an ocean that must adapt to changes already set in motion. As Ocean Conservancy President and CEO Vikki Spruill testified at the first-ever hearing on Capitol Hill about the ocean's role in climate change, many species will be

unable to adapt fully because of the unprecedented magnitude and speed of change. But we can make a difference. We need strong, solid laws in place to support ocean management that builds the resilience of ocean systems and increases adaptation success. And that includes laws to eliminate marine debris, which so severely taxes the ocean and all the life in it. Adaptation requires funding; that cost could be met through the sale of carbon credits within the cap-and-trade system.

Climate change, the greatest environmental challenge of our time, requires an enormous—and immediate—response. Fortunately, the new administration and Congress count climate change among their top priorities, and awareness of the critical ocean-climate change connection is growing in the halls of government. Climate change knows no boundaries, and the United States has an unequalled opportunity to lead global climate change policy, including at the United Nations Climate Change Conference in Copenhagen in December 2009, where we can boost the odds that we will all be able to adapt to a world made vastly different from the one we have known. For more information, including the Congressional testimony noted above, visit www.oceanconservancy.org.

SAFE LEVELS OF CO₂
350
ppm

Hawaiian monk seals—one of the most critically endangered marine animals in the world—inhabit the remote Northwestern Hawaiian Islands. These animals already face what could be life-and-death threats from climate change: Warming water may affect the fish, eels, and other life the seals rely on for food, and rising sea levels will ultimately inundate the beaches where they rest, give birth, and raise young. With only about 1,200 Hawaiian monk seals alive today and global climate change already closing in on their environment, it is critical that we address threats from marine debris to help protect this fragile population.

Major ocean currents deposit more than 52 metric tons of debris in the Northwestern Hawaiian Islands every year, most of it lost or abandoned fishing gear. These playful monk seals encounter discarded cups or other containers in the water, or on the beach, and wind up with trash stuck on their snouts, trash that keeps them from feeding or even breathing. They explore old nets or cast-off fishing line, become entangled, and drown. Since 1998, the National Oceanic and Atmospheric Administration (NOAA) and partners have worked together to remove more than 100 metric tons of fishing gear and other marine debris from the Northwestern Hawaiian Islands. Getting rid of dangerous debris helps keep this endangered species healthier in the face of climate impacts.

TERMS TO KNOW

GLOBAL CLIMATE CHANGE

The increase in carbon dioxide (CO₂) and other greenhouse gases collecting in the atmosphere like a thickening blanket traps the sun's heat and causes the planet to warm. Most of us have a pretty good understanding of CO₂'s impact on the atmosphere and land, but many don't yet realize that there are serious connections to the ocean, too, from warming water to changing ocean chemistry.

MITIGATION

Any human intervention that attempts to reduce the amount of greenhouse gases in the atmosphere or ocean.

ACIDIFICATION

An increase in the acidity of the ocean caused by the increased absorption of carbon dioxide (CO₂) from the atmosphere. Atmospheric CO₂ comes from

the fossil fuels we burn and changes in land management.

ADAPTATION (NATURAL)

The response of a biological or ecological system to environmental changes brought about by climate change.

ADAPTATION (SOCIAL)

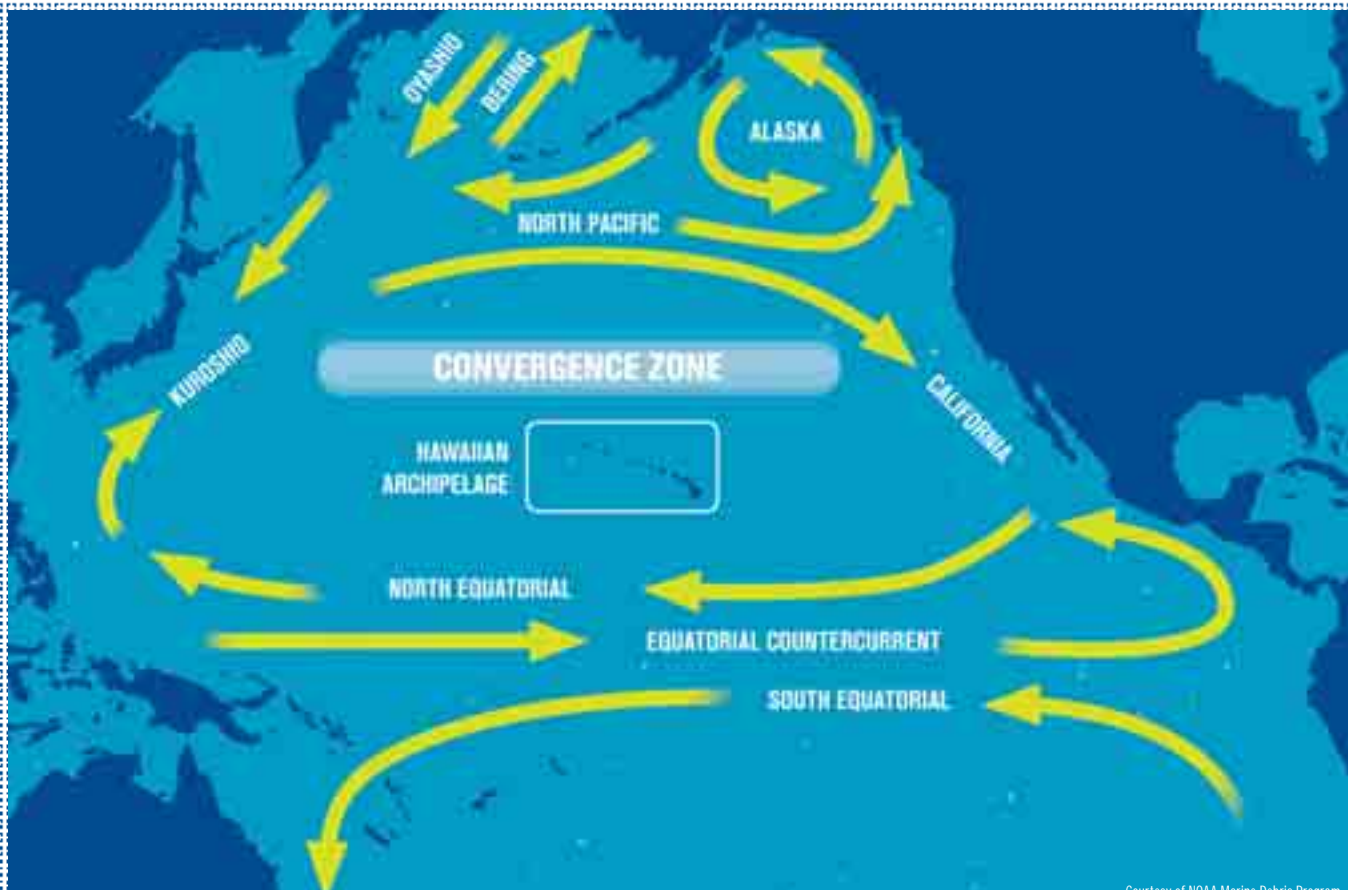
Any response by humans to climate change in order to reduce the negative impacts on communities, society, and economies.

ECOLOGICAL RESILIENCE

A measure of how much stress an ecosystem can stand from pressures natural or manmade without undergoing fundamental changes that may be permanent and, from a human perspective, highly undesirable.

Ecosystems need help, too. Coral reefs have been called the rainforests of the sea. These extraordinary living systems cover just two-tenths of one percent of the ocean floor, yet are home to a quarter of all the ocean's fish species. Coral reefs offer recreation to humans as well as food and shelter to fish. They also provide a buffer that protects many tropical coastlines during severe storms. But climate change has already exacted a toll: In the Caribbean, 80 percent of coral reefs have died because of changes brought about by warming water, excess nutrients washed into the ocean from land, and overfishing. Scientists predict that if carbon emissions continue unabated, temperature rise and ocean acidification may lead to the death of most coral reefs worldwide during this century. If any reefs do survive, they will be the most resilient ones. It is our responsibility to ensure they are as healthy as possible to face the future.

Marine debris compromises coral reef resilience by inflicting physical injury. Nets, plastic sheets, and other large forms of debris snag on coral reefs, breaking off living coral branches. Studies have revealed significant damage to delicate reefs by old fishing nets in the Northwestern Hawaiian Islands and Australia. Piles of trash block sunlight essential to the health of living coral. And toxic materials leaching from trash in the water poison these ecosystems. By removing and preventing marine debris, we are giving reefs a fighting chance at survival and they, in return, will continue to provide us with physical and spiritual nourishment that are critical to our health and well-being.



Courtesy of NOAA Marine Debris Program

THE GREAT PACIFIC GARBAGE PATCH Will Climate Change Create More Trash Dumps at Sea?

Imagine the open ocean, emblematic of Nature's wild and spectacular beauty, dominated by trash. Unbelievable, right? Guess again. That ugly picture is actually the reality in a significant portion of the North Pacific Ocean, where four major currents define a large area known as the North Pacific Subtropical Gyre, a giant eddy of sorts. In one particular hot spot north of the Hawaiian Islands, floating debris concentrates where ocean currents and wind meet (see convergence zone on map). This dynamic area of floating trash—everything from toys, boots, and balloons to tiny plastic particles—shifts location seasonally.

Though many people call this area the “Great Pacific Garbage Patch,” that’s something of a misnomer; while not a solid patch of trash, it does encompass a huge amount of debris over a wide swath of ocean.

Birds and animals across the region become entangled in this debris; their digestive tracts can become fatally clogged when they eat it. One researcher found that every one of 10,000 Laysan albatross chicks hatched in a year on nearby Kure Atoll had ingested plastic and other marine debris.

The more trash we allow into the ocean, the more the concentration here grows year after year. The “Garbage Patch” is just one of several big accumulations of trash in the ocean. We don’t know how global climate change may affect them, but one possibility is that this one may shift closer to the Northwestern Hawaiian Islands, carrying more debris towards their beaches. And that could mean more entanglements of marine life like the endangered Hawaiian monk seal.

TAKE ACTION

START A SEA CHANGE



Marine debris doesn't fall from the sky, it falls from human hands—and human hands have the power to stop it. Picking up trash at the Cleanup on one day each year is not the whole answer, because trash in the ocean is an on-going, year-round problem. Working together, we can change behaviors that lead to trash in the ocean, we can change laws to better govern litter and ocean dumping, and we can change to more ocean-friendly products through new technologies. Working together, we can solve the marine debris problem.

RECOMMENDATIONS

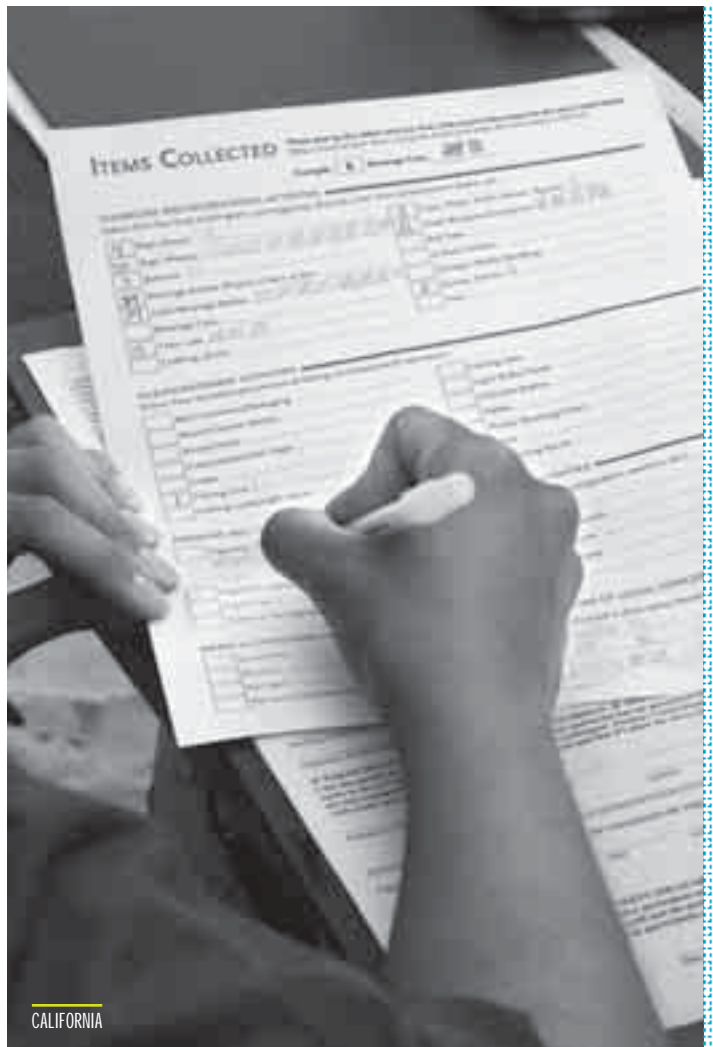
1 **Expand public and private partnerships to monitor and reduce marine debris.** No longer are conservation coalitions drawn just from the rolls of government, foundations, and nongovernmental organizations. Citizens and especially corporations are demanding change as never before. The mandate for corporate sustainability is being driven directly from the boardroom, and progressive corporations are key to success. We must look for new and broader opportunities to pull them into solution scenarios.

For instance, the National Oceanic and Atmospheric Administration, Schnitzer Steel Hawaii Corporation, Covanta Energy, and other public and private organizations all support the “Nets-to-Energy” program in Hawaii, which collects and burns lost fishing gear to get it out of the ocean and turn it into electricity. The program has been replicated in New England, where every ton of gear collected provides enough electricity to heat a home for 25 days.

**CITIZENS AND CORPORATIONS
ARE DEMANDING CHANGE
AS NEVER BEFORE.**

The Keep America Beautiful Cigarette Litter Prevention Program, supported by funding from Philip Morris USA, an Altria Company, encourages smokers to change their behaviors and properly dispose of cigarette butts, cigar tips, and packaging — items that commonly wind up in the ocean now. And the Disney Vero Beach Resort in Florida stopped using plastic drinking straws (a top item found during the state’s Cleanups) to make beaches safer for nesting sea turtles and other wildlife.

2 **Fund increased research on the sources and impacts of marine debris.** Understanding the sources and impacts of marine debris is integral to finding solutions that work on a permanent basis. While data from volunteer events like the Cleanup are helpful, they represent only a snapshot of the debris problem. We need science-based solutions, and therefore more funding for scientific research that can help us focus our attention on areas of greatest vulnerability and target types of marine debris that are proving most harmful. Research can also help us identify debris-reduction techniques that provide solutions for the long term.



CALIFORNIA

3 Reduce, reuse, recycle. The concept of going green starts with living blue—making daily decisions with the ocean’s health in mind. Behavioral changes like choosing products that use less packaging or taking reusable bags to the grocery store are critical to keeping trash out of the ocean. Just one small step repeated by everyone can make a world of difference for ocean habitats and wildlife ranging from the largest whales to the smallest sea snails.

Consider recycling. As much as we hear about it, not nearly enough people have dedicated themselves to sorting their recyclables. A significant portion of trash picked up on beaches during the Cleanup could have been kept out of waterways and the ocean through recycling. The EPA says the United States generates the equivalent of 4.5 pounds of solid waste per person per day, yet we recycle just 33.4 percent of it.

REDUCE, REUSE, RECYCLE:
THE CONCEPT OF GOING GREEN
STARTS WITH LIVING BLUE.

The EPA also estimates that Americans use more than 90 billion plastic bags a year, with just a fraction reaching recycling facilities. Many bags end up in the ocean as marine debris. When Ireland levied a fee on each plastic bag used by consumers, single-use disposal bag consumption dropped by more than 90 percent.

Especially effective in encouraging recycling and waste reduction are “pay-as-you-throw” trash pick-up programs that charge based on the amount of trash thrown away. People are motivated to reduce what they put out for collection at the curb when their wallets are directly impacted. As of 2006, more than 7,000 communities in 47 states have

instituted pay-as-you-throw programs; a number of these communities have a recycling rate of 60 percent, as compared to just over 30 percent from non-pay-as-you-throw communities. The system has economic rewards as well: In Fort Worth, Texas, 92 percent of residents pay less for garbage disposal than they did under the old system. The city also cut its waste management costs by 25 percent.

Then there is the old-fashioned solution—use less stuff. People must be made aware of just how much waste material—all of it potential marine debris—we create in the wake of our daily existence. Simply learning to cut back on the amount of synthetic packaging we use by refusing that plastic bag at the grocery store or the foam sandwich carton at the take-out counter can greatly reduce the sheer amount of stuff in our world.

4 Seek better technological solutions to debris management and reduction. Human ingenuity is an incredible thing. It has already led to some of the breakthroughs we need to reduce dangerous marine litter. The ITW Hi-Cone company has not only reduced the amount of plastic used in their six-pack holders by 30 percent, but in the 1970s developed a photodegradable version; the rings float on the water, and within days sunlight reduces their strength by up to 75 percent so that if an animal gets entangled, it can break away. Depending on the season and intensity of the UV sunlight, within weeks these rings will become completely brittle and crumble in a strong wind or upon contact. It took time, but by 1988 they were used throughout the United States, and worldwide by 1990. More recently, innovations like new bottle designs that use less material than traditional shapes have entered the scene.

Biodegradable plastics under development include those made from soy and corn. Polylactic acid (PLA) can be processed on existing plastics equipment,

which is certainly attractive to industries with billions invested in infrastructure. These plastics biodegrade in water and soil, and compost readily. Currently, bioplastics cost more and may have physical characteristics that don't quite match those of synthetics, but better versions that are stronger, more durable, and more versatile are under development. Where new technologies seem too expensive on first glance, we must weigh aspects like price against hidden costs like waste management, dead and injured animals, and greenhouse gas emissions.

SEEK BETTER TECHNOLOGICAL SOLUTIONS TO DEBRIS MANAGEMENT AND REDUCTION.

5 Support the inclusion of comprehensive ocean management in all climate change initiatives. The ocean is the engine that drives climate, and must be included in all work to lessen climate change impacts. The reduction of greenhouse gas emissions is not enough to protect the ocean; we need to reduce other human-caused stressors like marine debris, so ocean life has a better chance of adapting to climate change. People want to do the right thing, and policy, a powerful embodiment of public will, is an important tool for success. Let your elected officials know you want them to support legislation that will protect our ocean for the long term. Encourage legislators to put in place efforts to reduce marine debris. From hometown regulations on waste management to international laws on ocean dumping, the ocean needs protection.

Citizens can actively support climate change policies that protect the ocean. Government, for its part, must lead with policy changes that

include strategies to minimize the negative impacts climate change has on the ocean. See www.oceanconservancy.org/climatechange for more information.

6 Engage in community efforts like the International Coastal Cleanup. Events like the Cleanup really do make a difference, whether making the local beach or coastline free of debris or raising awareness and empowering employees or individuals to take action and support a healthier, more resilient ocean. For more information and to sign up as a volunteer for the next International Coastal Cleanup on September 19, 2009, visit www.coastalcleanup.org.



RUSSIA

SPONSORING PARTNERS



us strengthen our online campaigns, expand our media reach, and increase awareness about the Cleanup and the problem of marine debris. Coca-Cola also has developed a campaign within the company to encourage participation in the Cleanup. In 2008, Coca-Cola engaged over 50,000 people in 35 countries across their worldwide system—company associates, bottling partners, customers, and consumers—to help clear beaches and waterways of debris.

THE COCA-COLA COMPANY IS A DRIVING FORCE AND A STRONG PARTNER IN STARTING A SEA CHANGE.

The Coca-Cola Company WALKING THE TALK

The Coca-Cola Company has a vision: a world where their packaging is no longer seen as waste, but as a valuable resource for future use. The international giant is hard at work finding ways to improve the sustainability of its packaging across the entire lifecycle. Partnering with the Cleanup fits within their plan to encourage collection efforts that bring used packaging back into the recycling loop. This forward-thinking company recognizes that cleanups are only part of the solution; like Ocean Conservancy, Coca-Cola is dedicated to keeping litter out of the world's waterways all year long.

A Cleanup sponsor since 1995 and the lead sponsor since 2005, Coca-Cola has not only stepped up its direct support, but also provides a number of in-kind contributions, including arranging for its strategic thinkers to consult with Ocean Conservancy, helping

The Coca-Cola Company sets an excellent example for the kinds of holistic solutions we need to battle marine debris. The company invests millions of dollars annually to support the collection and recovery of beverage packaging materials around the world, and they use the recycled packaging materials to produce more sustainable bottles and cans. In 1991, Coca-Cola was the first beverage company to use recycled plastic in their packaging. Since that time, they've led the industry in the global use of recycled PET content. The company will soon open the world's largest bottle-to-bottle recycling plant in South Carolina to recycle even more bottles. They also have launched a line of clothing crafted from recycled bottles; five recycled bottles go into each t-shirt, and the shirts help get out the recycling word by sporting clever slogans like "I'm wearing post-consumer waste." All of this work sets a great example for the kinds of solutions we need to fight marine debris.

Bank of America

INVESTING IN CLIMATE CHANGE SOLUTIONS

Bank of America, which has supported the International Coastal Cleanup since 1991, fully understands the ocean-climate change connection. A leader in sustainable business practices, Bank of America's \$20 billion, ten-year climate change initiative champions green economic growth through lending, investment, products and services, and operations. In addition to contributing funds to the Cleanup, the bank has embraced the chance to educate its associates about climate change and its impacts on the ocean; the volunteers of "Team Bank of America" pitch in at Cleanup events across the United States and draw in members of the larger local community.

Bank of America also supports Ocean Conservancy's Ocean Industries Initiative, which will help businesses whose operations impact the ocean reduce their greenhouse gas emissions; the bank provided seed money for a pilot program aimed at improving the carbon footprint of the Gulf of Mexico shrimp fishery. The success of the Cleanup is magnified by the significant contributions of business partners like Bank of America who provide not only critical funding but also the leadership and know-how to help get the job done. And that's an investment in ocean health that will pay dividends for years to come.

HERE'S WHAT OUR SPONSORS SAY ABOUT THE CLEANUP

THE COCA-COLA COMPANY

"The Coca-Cola Company seeks out partners that not only address critical environmental issues but also look to develop solutions. This year, we mobilized over 50,000 volunteers from within our network to provide hands-on support in 35 countries as an active sponsor of the International Coastal Cleanup."

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 country."

PHILIP MORRIS USA, AN ALTRIA COMPANY

"Philip Morris USA, an Altria Company, is committed to reducing the environmental impact of its business. We are proud to support Ocean Conservancy's Cleanup through grants and volunteer activities that help reduce the amount of cigarette-butt litter in waterways."

BRUNSWICK PUBLIC FOUNDATION

"Boaters long have been at the forefront of keeping our ocean and waterways healthy, valuing such a precious resource. It is the Brunswick Foundation's honor to support Ocean Conservancy's efforts to encourage environmentally responsible behavior on the water."

DOW

"Dow is proud to have sponsored the Cleanup efforts for more than 20 years. We value our partnership with an organization like Ocean Conservancy that is dedicated to developing the global solutions and public education needed to change the behaviors that cause marine debris."

GLAD

"The Glad Products Company, a subsidiary of the Clorox Company, is proud to supply Cleanup volunteers with its trash bags to remove marine debris from their local communities and support the important work being done by Ocean Conservancy."

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

"The National Oceanic and Atmospheric Administration Marine Debris Program is proud to partner with Ocean Conservancy on the Cleanup. Our partnership goes beyond the Cleanup with our shared goal of eliminating marine debris that continues to have devastating impacts on marine life and habitat in the global environment."

ORACLE

"Oracle is proud to support the Cleanup to help preserve our beaches across the globe. Our partnership connects hundreds of Oracle employees with Cleanup projects that truly make a difference in the local community and reinforce our commitment to protecting the environment."

VOLUNTEER COORDINATORS | AND SPONSORS

COORDINATORS ARE THE TRUE "SEA STARS" OF THE CLEANUP. They give their time and energy all year long, scouting out Cleanup sites, rallying volunteers, lining up sponsors, and organizing data collection. Their work is at the heart of this international movement.

2008 CLEANUP COUNTRY COORDINATORS

AMERICAN SAMOA

Pelema Kolise
American Samoa Environmental Protection Agency

ARGENTINA

Daniel Roller
Asociación ReCrear

BAHAMAS

Anita Knowles (Abaco)
Friends of the Environment

Renamae Symonette, Erika Gates (Grand Bahama Island)
Bahamas Ministry of Tourism

Tanya Moss (Nassau)
Dolphin Encounters

BANGLADESH

S. M. Muntasir Mamun
Kewkradong

BARBADOS

Michael Thompson
National Conservation Commission

Osmond Harewood
Caribbean Youth Environmental Network

BELIZE

Hilberto Riverol
The Scout Association of Belize

BERMUDA

Robyn Larkin
Dolphin Quest

BRAZIL

Leonardo Viana
Laboratório de Mastozoologia e Manejo de Fauna

BRITISH VIRGIN ISLANDS

Jasmine Bannis
Conservation & Fisheries Department

CAMBODIA

Koch Savath
Ministry of Environment

CANADA

Carla Schuk (British Columbia)
Vancouver Aquarium Marine Science Centre

Gay Wittrien (New Brunswick)
The Green Network – ACAP Saint John

David Boyce (Prince Edward Island)
Southeast Environmental Association

CAYMAN ISLANDS

Kim Pisano
Cayman Islands Tourism Association

CHILE

Christian Cid, Héctor Huerta
DIRECTEMAR

COLOMBIA

Enriqueta Hawkins
CORALINA

COSTA RICA

Giovanna Longhi

CYPRUS

Andreas Demetropoulos
Cyprus Wildlife Society

DOMINICA

Terry Raymond
Dominica Youth Environment Organisation

DOMINICAN REPUBLIC

Hector Mota, Carolina Guisande
Fundación Vida Azul

ECUADOR

Jaime Paredes
Programa de Manejo de Recursos Costeros

Capt. Miguel Mosquera B., Sergio Bazan (Galapagos)
Fundacion Ecologica Albatros

EGYPT

Maha Youssry, Emad Adly
Chazala Hotels

GREECE

Constantinos Triantafyllou
HELMPEA

GRENADA

Dr. Clare Morrall
St. George's University

GUAM

Tom Quinata
Guam Coastal Management Program

GUATEMALA

Milthon Cárdenas, Marlon Lopez
Eco Prodiver

GUYANA

Trevor Benn
GuyberNet

HONG KONG

Lisa Christensen
Ecovision Asia

Thierry Chan
Green Council

INDIA

Captain Rajan Vir
Indian Maritime Foundation

INDONESIA

Hani Taufik
Yayasan JARI

ISRAEL

Ronen Alkalay
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Kristen Maize (St. John)
Friends of Virgin Islands National Park

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 Virgin Island Waste Management Authority
 Virgin Islands Coastal Zone Management Division
 VI Friends of the National Park

(St. John)

Friends of the National Park
 University of the Virgin Islands - Virgin Islands Marine
 Advisory Service
 Department of Planning and Natural Resources - Coastal
 Zone Management Program
 Virgin Island Waste Management Authority
 Ocean Conservancy

(St. Thomas)

DPNR Coastal Zone Management Program
 US Power and Sail Squadron
 VI Waste Management Authority
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 VI Ecotours

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ADCNR State Lands Division Coastal Section

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Maine Coastal Program – Maine State Planning Office

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Assateague Coastal Trust

Geri Schlenoff (Baltimore)

Volunteer Spotlight JANE POLSON, NEBRASKA

Jane Polson, executive director of Keep Nebraska Beautiful, has served as her state's Cleanup coordinator for nine years. Like many coordinators, she came to the Cleanup by way of her full-time job, which includes working to eliminate marine debris. She admits that she has to educate people constantly about how the Cleanup isn't just for coastlines, but for all waterways, and has a ready answer when asked why a landlocked state would participate: "You have recreational waters in every state, whether you're in California or Nebraska. We have a lot of rivers and lakes we want to protect, and since we know that more than 50 percent of debris in ocean waters comes from inland states, we're just as protective as coastal states."

Polson's organization is a state affiliate of Keep America Beautiful; local affiliates across Nebraska serve as site coordinators and help recruit volunteers and run individual events. Polson downplays her role, and says the site coordinators and volunteers make the Cleanup happen: "I'm amazed that people continue year after year; it is such hard work. And people lead such busy lives that they are truly giving precious time. It says a lot about how much they care for the environment." Polson says the international aspect has a powerful draw. "They know that people all around the world are doing the very same thing, and that's a neat feeling, to know people everywhere are working for the same cause: the ocean."

MASSACHUSETTS

Kristin Uiterwyk, Dennis Leigh
Urban Harbors Institute – Umass Boston

MICHIGAN

Jamie Cross
Alliance for the Great Lakes

MINNESOTA

Sarah Erickson
Great Lakes Aquarium

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Keep Nebraska Beautiful

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Waste Not Programs

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Blue Ocean Society for Marine Conservation

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Alliance for a Living Ocean

Carl Guastaferrero

Clean Ocean Action

Mary Smith

New Jersey Department of Environmental Protection

NEW YORK

Barbara Cohen, Don Reipe
American Littoral Society

Volunteer Spotlight

JOHN KIESER, SOUTH AFRICA

John Kieser logged more than 18,000 miles driving across South Africa last year for Cleanup-related meetings, from the Orange River to the province of Kwazulu-Natal. His dedication to the job of Cleanup Coordinator began while he was working for the South African government. When John left the Department of Environmental Affairs and Tourism three years ago, the plastics and waste industries along with retail grocery chain Pick n Pay asked if he would make sure the Cleanup continued, both on the coast and inland—and so he has, with boundless enthusiasm needed for such a big job. Cape Town alone produces more than 3.5 million tons of waste annually, he says, and recycling is not yet widespread. “The beaches are in terrible shape from litter,” he observes.

John enjoys the fact that the Cleanup revolves around a very positive atmosphere of community involvement. Restaurant owners who observed hard-working volunteers invited them in at day’s end for refreshments. When the ferry to Robben Island broke down, a local charter company stepped up to offer a large boat to transport volunteers, and they’re already onboard for next year. School children—for whom water pollution is part of the curriculum—flock to Cleanup sites every year. Companies sign up their entire staffs. And John points out that the Cleanup has influenced other exciting programs. Thirty-eight schools on the western Cape are involved in beach monitoring through an Adopt-a-Beach program, and John helps raise litter awareness at major sporting events like the annual Argus-Cape Town cycle tour. A government anti-poverty program pays poor people to clean up litter. But none of this progress could happen without the energy and ideas of coordinators like John.

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North Carolina Big Sweep Statewide Headquarters

NORTH DAKOTA

Randy Kraft

SCUBA One

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Ohio Lake Erie Commission

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Garmendia (Americas)

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Eugenia Marks, July Lewis

Audubon Society of Rhode Island

SOUTH CAROLINA

Susan Ferris Hill (coastal)

South Carolina Sea Grant Consortium

Bill Marshall (inland)

Land, Water and Conservation Division

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Dennis Lively

High Plains Diving & Mick’s Scuba Center

TENNESSEE

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TEXAS

Reneé Tuggle

Texas General Land Office

Texas Adopt-A-Beach Program

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Kristen Bonner

The Living Planet Aquarium

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THE MARINE DEBRIS INDEX

THE MARINE DEBRIS INDEX presents state-by-state and country-by-country data about marine debris collected and tallied by volunteers around the world on one day each September at the International Coastal Cleanup.

Methodology and Research Notes

Ocean Conservancy, in conjunction with its US and international volunteer coordinators, has collected data during the International Coastal Cleanup since 1986 within the US, 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. 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. The new groupings identify the behavior associated with the debris' presence. In 2008, Ocean Conservancy decided to tally paper and plastic bags separately for a total of 43 items listed. Totals for each site are mailed, emailed, and faxed to Ocean Conservancy, or are entered into Ocean Conservancy's secure Online Data Collection and Reporting Tool by the Cleanup coordinator for the country, location, or US state. All data sent to Ocean Conservancy and not entered online by the coordinator are entered into the online tool 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 analyzes data in-house. Data are broken down by country, location (including islands), and US states 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, which are determined according to the United Nations Statistical Division, <http://unstats.un.org/unsd/methods/m49/m49regin.htm>. A location identified in the Marine Debris Index is a geographic area that is governed by a country

but is located in a different geographic area than the governing country (for example, the Netherlands Antilles are governed by the Netherlands, but are located in a different geographic area than the governing country). These geographic designations do not imply Ocean Conservancy's opinion of the legal status of any country, territory, or location (including islands), or concern the delimitation of its boundaries.

LIMITATIONS OF THE DATA

Data are collected on a single day by volunteers—not by paid staff or researchers—in more than 6,485 sites and locations around the world. Ocean Conservancy produces data cards in six languages; there could be a language barrier for some volunteers. Data for pounds and miles are sometimes estimated by volunteers (see terminology). The data represented in this report are only what was shared with Ocean Conservancy, and totals could be higher if all locations reported in. Weather events can impact planned events and may decrease data return for a certain country, location, or US state.

INTERPRETATION OF THE DATA

The collected data is a snapshot of 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 base 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.

| COUNTRY AND LOCATION | ARGENTINA | ARUBA | AUSTRALIA | AUSTRIA | BAHAMAS | BAHRAIN | BANGLADESH |
|--|--------------|--------------|---------------|------------|---------------|--------------|---------------|
| ISLAND (IF AVAILABLE) | | | | | NASSAU | | |
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 50 | 88 | 396 | 9 | 1,245 | 77 | 604 |
| Bags (Plastic) | 180 | 79 | 1,158 | 31 | 2,630 | 126 | 407 |
| Balloons | 5 | 5 | 82 | 0 | 281 | 11 | 44 |
| Beverage Bottles (Plastic) | 30 | 234 | 766 | 32 | 2,433 | 79 | 397 |
| Beverage Bottles (Glass) | 57 | 140 | 1,268 | 34 | 3,802 | 53 | 221 |
| Beverage Cans | 15 | 264 | 801 | 35 | 5,054 | 87 | 543 |
| Caps, Lids | 5 | 199 | 1,334 | 20 | 2,438 | 64 | 841 |
| Clothing, Shoes | 10 | 42 | 231 | 11 | 1,259 | 4 | 159 |
| Cups, Plates, Forks, Knives, Spoons | 27 | 379 | 417 | 9 | 3,621 | 52 | 2,513 |
| Food Wrappers/Containers | 24 | 212 | 1,172 | 11 | 3,297 | 55 | 9,643 |
| Pull Tabs | 0 | 5 | 113 | 2 | 222 | 14 | 298 |
| 6-Pack Holders | 4 | 10 | 45 | 3 | 161 | 0 | 0 |
| Shotgun Shells/Wadding | 0 | 0 | 22 | 0 | 116 | 0 | 0 |
| Straws, Stirrers | 71 | 91 | 847 | 1 | 1,768 | 85 | 1,587 |
| Toys | 0 | 10 | 48 | 11 | 864 | 0 | 53 |
| Total | 478 | 1,758 | 8,700 | 209 | 29,191 | 707 | 17,310 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 0 | 0 | 295 | 1 | 160 | 34 | 23 |
| Bleach/Cleaner Bottles | 0 | 14 | 11 | 2 | 303 | 29 | 9 |
| Buoys/Floats | 0 | 5 | 31 | 1 | 55 | 0 | 42 |
| Crab/Lobster/Fish Traps | 0 | 0 | 10 | 0 | 150 | 1 | 68 |
| Crates | 0 | 2 | 3 | 0 | 80 | 0 | 0 |
| Fishing Line | 0 | 22 | 917 | 3 | 167 | 6 | 53 |
| Fishing Lures/Light Sticks | 0 | 5 | 234 | 0 | 76 | 0 | 4 |
| Fishing Nets | 0 | 1 | 30 | 1 | 121 | 8 | 107 |
| Light Bulbs/Tubes | 0 | 0 | 7 | 0 | 63 | 0 | 12 |
| Oil/Lube Bottles | 0 | 6 | 3 | 0 | 329 | 16 | 17 |
| Pallets | 0 | 2 | 0 | 1 | 99 | 0 | 0 |
| Plastic Sheeting/Tarps | 0 | 0 | 18 | 0 | 673 | 3 | 172 |
| Rope | 0 | 15 | 177 | 3 | 424 | 17 | 118 |
| Strapping Bands | 0 | 6 | 22 | 10 | 140 | 3 | 16 |
| Total | 0 | 78 | 1,758 | 22 | 2,840 | 117 | 641 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 734 | 231 | 2,314 | 3 | 1,273 | 90 | 10,338 |
| Cigarette Lighters | 2 | 3 | 70 | 0 | 333 | 7 | 62 |
| Cigar Tips | 0 | 16 | 59 | 11 | 404 | 0 | 4 |
| Tobacco Packaging/Wrappers | 51 | 10 | 302 | 0 | 447 | 0 | 487 |
| Total | 787 | 260 | 2,745 | 14 | 2,457 | 97 | 10,891 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 1 | 0 | 15 | 0 | 219 | 0 | 0 |
| Batteries | 0 | 8 | 22 | 0 | 267 | 14 | 102 |
| Building Materials | 39 | 19 | 160 | 43 | 3,611 | 76 | 23 |
| Cars/Car Parts | 2 | 0 | 38 | 1 | 213 | 0 | 0 |
| 55-Gallon Drums | 0 | 0 | 0 | 0 | 36 | 0 | 0 |
| Tires | 1 | 3 | 9 | 1 | 250 | 0 | 11 |
| Total | 43 | 30 | 244 | 45 | 4,596 | 90 | 136 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 3 | 24 | 38 | 0 | 388 | 0 | 38 |
| Diapers | 15 | 24 | 11 | 0 | 316 | 0 | 6 |
| Syringes | 0 | 2 | 10 | 0 | 51 | 0 | 31 |
| Tampons/Tampon Applicators | 4 | 2 | 27 | 0 | 137 | 0 | 0 |
| Total | 22 | 52 | 86 | 0 | 892 | 0 | 75 |
| MARINE DEBRIS ITEM TOTALS | 1,330 | 2,178 | 13,533 | 290 | 39,976 | 1,011 | 29,053 |

| BARBADOS | BELGIUM | BELIZE | BERMUDA | BRAZIL | BRITISH VIRGIN ISLANDS | BRITISH VIRGIN ISLANDS | BRITISH VIRGIN ISLANDS | BRITISH VIRGIN ISLANDS |
|--------------|--------------|---------------|---------------|----------------|------------------------|------------------------|------------------------|------------------------|
| | | | | | COOPER ISLAND | TORTOLA | VIRGIN GORDA | TOTAL |
| 102 | 0 | 2,411 | 257 | 11,444 | 0 | 160 | 0 | 160 |
| 434 | 67 | 7,118 | 397 | 24,373 | 10 | 871 | 0 | 881 |
| 12 | 25 | 456 | 17 | 786 | 0 | 6 | 0 | 6 |
| 414 | 248 | 6,364 | 339 | 11,486 | 10 | 3,384 | 24 | 3,418 |
| 189 | 120 | 2,278 | 829 | 6,429 | 30 | 1,628 | 24 | 1,682 |
| 78 | 116 | 1,167 | 283 | 10,243 | 20 | 1,109 | 0 | 1,129 |
| 1,234 | 25 | 4,612 | 854 | 16,391 | 10 | 995 | 2,000 | 3,005 |
| 139 | 69 | 1,628 | 121 | 2,296 | 10 | 249 | 40 | 299 |
| 244 | 54 | 3,156 | 392 | 9,911 | 0 | 1,233 | 202 | 1,435 |
| 300 | 122 | 1,838 | 554 | 10,023 | 0 | 1,048 | 60 | 1,108 |
| 8 | 67 | 369 | 27 | 1,747 | 0 | 98 | 0 | 98 |
| 77 | 204 | 147 | 50 | 2,940 | 10 | 50 | 60 | 120 |
| 0 | 0 | 19 | 3 | 60 | 0 | 0 | 0 | 0 |
| 219 | 107 | 1,233 | 441 | 9,347 | 0 | 396 | 30 | 426 |
| 60 | 28 | 841 | 45 | 1,223 | 0 | 40 | 0 | 40 |
| 3,510 | 1,252 | 33,637 | 4,609 | 118,699 | 100 | 11,267 | 2,440 | 13,807 |
| 31 | 6 | 47 | 13 | 138 | 0 | 28 | 24 | 52 |
| 109 | 29 | 140 | 20 | 1,316 | 0 | 29 | 0 | 29 |
| 119 | 2 | 298 | 28 | 526 | 5 | 56 | 20 | 81 |
| 2 | 1 | 29 | 0 | 104 | 0 | 0 | 4 | 4 |
| 56 | 8 | 35 | 12 | 105 | 0 | 16 | 0 | 16 |
| 49 | 25 | 48 | 76 | 402 | 0 | 12 | 202 | 214 |
| 7 | 3 | 157 | 5 | 276 | 0 | 10 | 42 | 52 |
| 149 | 2 | 17 | 5 | 151 | 0 | 6 | 60 | 66 |
| 13 | 8 | 69 | 5 | 207 | 0 | 11 | 0 | 11 |
| 50 | 15 | 343 | 25 | 634 | 0 | 115 | 18 | 133 |
| 112 | 11 | 19 | 3 | 2,071 | 0 | 6 | 50 | 56 |
| 13 | 10 | 73 | 41 | 412 | 0 | 4 | 80 | 84 |
| 520 | 31 | 110 | 163 | 800 | 0 | 263 | 40 | 303 |
| 66 | 11 | 110 | 36 | 245 | 0 | 66 | 120 | 186 |
| 1,296 | 162 | 1,495 | 432 | 7,387 | 5 | 622 | 660 | 1,287 |
| 30 | 219 | 669 | 6,109 | 17,565 | 0 | 994 | 0 | 994 |
| 16 | 46 | 113 | 63 | 379 | 0 | 13 | 50 | 63 |
| 81 | 98 | 170 | 51 | 645 | 0 | 0 | 0 | 0 |
| 11 | 224 | 195 | 190 | 1,348 | 0 | 19 | 0 | 19 |
| 138 | 587 | 1,147 | 6,413 | 19,937 | 0 | 1,026 | 50 | 1,076 |
| 10 | 1 | 39 | 5 | 282 | 0 | 19 | 10 | 29 |
| 18 | 51 | 77 | 16 | 446 | 0 | 8 | 2 | 10 |
| 168 | 105 | 142 | 101 | 1,997 | 0 | 380 | 0 | 380 |
| 38 | 22 | 85 | 19 | 311 | 0 | 54 | 0 | 54 |
| 5 | 0 | 1 | 0 | 42 | 0 | 2 | 0 | 2 |
| 35 | 48 | 118 | 4 | 255 | 0 | 12 | 2 | 14 |
| 274 | 227 | 462 | 145 | 3,333 | 0 | 475 | 14 | 489 |
| 36 | 3 | 86 | 12 | 597 | 0 | 21 | 0 | 21 |
| 14 | 6 | 215 | 24 | 539 | 0 | 11 | 8 | 19 |
| 17 | 0 | 117 | 2 | 153 | 0 | 2 | 12 | 14 |
| 3 | 24 | 25 | 8 | 182 | 0 | 2 | 8 | 10 |
| 70 | 33 | 443 | 46 | 1,471 | 0 | 36 | 28 | 64 |
| 5,288 | 2,261 | 37,184 | 11,645 | 150,827 | 105 | 13,426 | 3,192 | 16,723 |





| COUNTRY AND LOCATION | CANADA | CAYMAN ISLANDS | CHILE | CHINA | COLOMBIA | COOK ISLANDS | COSTA RICA |
|--|----------------|----------------|---------------|---------------|--------------|--------------|------------------|
| ISLAND (IF AVAILABLE) | | | | | | | |
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 24,439 | 0 | 3,612 | 714 | 104 | 48 | 495 |
| Bags (Plastic) | 1,764 | 24 | 12,499 | 897 | 141 | 468 | 1,595 |
| Balloons | 5,758 | 0 | 231 | 24 | 2 | 0 | 39 |
| Beverage Bottles (Plastic) | 37,503 | 30 | 6,522 | 834 | 147 | 654 | 2,679 |
| Beverage Bottles (Glass) | 32,061 | 15 | 3,966 | 311 | 124 | 256 | 355 |
| Beverage Cans | 44,092 | 37 | 3,702 | 19 | 134 | 688 | 605 |
| Caps, Lids | 65,749 | 29 | 7,675 | 431 | 200 | 208 | 1,589 |
| Clothing, Shoes | 11,124 | 6 | 904 | 256 | 296 | 126 | 835 |
| Cups, Plates, Forks, Knives, Spoons | 42,219 | 41 | 1,835 | 145 | 48 | 612 | 1,657 |
| Food Wrappers/Containers | 106,911 | 17 | 7,243 | 1,412 | 614 | 1,312 | 1,552 |
| Pull Tabs | 10,800 | 0 | 399 | 189 | 1 | 0 | 120 |
| 6-Pack Holders | 3,609 | 0 | 374 | 14 | 4 | 18 | 231 |
| Shotgun Shells/Wadding | 4,660 | 0 | 119 | 0 | 2 | 0 | 43 |
| Straws, Stirrers | 27,100 | 16 | 1,658 | 212 | 136 | 214 | 543 |
| Toys | 7,029 | 0 | 644 | 38 | 32 | 2 | 606 |
| Total | 424,818 | 215 | 51,383 | 5,496 | 1,985 | 4,606 | 12,944 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 3,562 | 2 | 70 | 253 | 122 | 0 | 25 |
| Bleach/Cleaner Bottles | 1,118 | 0 | 300 | 19 | 11 | 2 | 42 |
| Buoys/Floats | 3,276 | 0 | 416 | 104 | 2 | 0 | 26 |
| Crab/Lobster/Fish Traps | 1,597 | 0 | 61 | 10 | 0 | 2 | 3 |
| Crates | 303 | 0 | 121 | 15 | 0 | 0 | 1 |
| Fishing Line | 3,267 | 14 | 248 | 26 | 102 | 2 | 25 |
| Fishing Lures/Light Sticks | 1,065 | 5 | 129 | 0 | 56 | 0 | 3 |
| Fishing Nets | 1,112 | 0 | 194 | 229 | 21 | 2 | 20 |
| Light Bulbs/Tubes | 576 | 0 | 122 | 31 | 0 | 0 | 7 |
| Oil/Lube Bottles | 1,432 | 0 | 458 | 36 | 5 | 2 | 59 |
| Pallets | 342 | 0 | 187 | 64 | 0 | 0 | 8 |
| Plastic Sheeting/Tarps | 4,376 | 0 | 624 | 64 | 8 | 0 | 14 |
| Rope | 21,742 | 2 | 2,279 | 137 | 102 | 20 | 58 |
| Strapping Bands | 4,546 | 0 | 290 | 26 | 0 | 6 | 6 |
| Total | 48,314 | 23 | 5,499 | 1,014 | 429 | 36 | 297 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 323,706 | 0 | 18,048 | 10,872 | 5 | 226 | 1,001,337 |
| Cigarette Lighters | 3,863 | 0 | 804 | 118 | 0 | 26 | 1,057 |
| Cigar Tips | 15,405 | 0 | 5,415 | 12 | 0 | 0 | 23 |
| Tobacco Packaging/Wrappers | 16,568 | 0 | 3,249 | 112 | 15 | 64 | 1,336 |
| Total | 359,542 | 0 | 27,516 | 11,114 | 20 | 316 | 1,003,753 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 494 | 0 | 51 | 2 | 2 | 16 | 41 |
| Batteries | 1,431 | 0 | 1,069 | 31 | 7 | 4 | 262 |
| Building Materials | 16,595 | 0 | 1,177 | 44 | 13 | 20 | 31 |
| Cars/Car Parts | 4,054 | 0 | 70 | 1 | 2 | 2 | 50 |
| 55-Gallon Drums | 136 | 0 | 14 | 0 | 0 | 0 | 4 |
| Tires | 1,272 | 0 | 172 | 6 | 91 | 10 | 14 |
| Total | 23,982 | 0 | 2,553 | 84 | 115 | 52 | 402 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 2,939 | 0 | 660 | 9 | 4 | 2 | 85 |
| Diapers | 1,026 | 0 | 1,027 | 10 | 4 | 12 | 62 |
| Syringes | 898 | 0 | 35 | 28 | 0 | 0 | 13 |
| Tampons/Tampon Applicators | 3,765 | 0 | 180 | 27 | 5 | 16 | 65 |
| Total | 8,628 | 0 | 1,902 | 74 | 13 | 30 | 225 |
| MARINE DEBRIS ITEM TOTALS | 865,284 | 238 | 88,853 | 17,782 | 2,562 | 5,040 | 1,017,621 |

| CROATIA | CYPRUS | DENMARK | DOMINICA | DOMINICAN REPUBLIC | EAST TIMOR | ECUADOR | EGYPT | ESTONIA |
|--------------|--------------|-----------|---------------|--------------------|------------|--------------|--------------|------------|
| 40 | 124 | 0 | 755 | 5,327 | 14 | 414 | 142 | 0 |
| 70 | 1,175 | 1 | 2,198 | 10,754 | 38 | 1,354 | 1,409 | 10 |
| 3 | 6 | 0 | 67 | 1,096 | 0 | 53 | 12 | 0 |
| 156 | 520 | 1 | 9,461 | 31,473 | 62 | 850 | 1,389 | 30 |
| 87 | 280 | 7 | 1,116 | 6,631 | 18 | 358 | 661 | 10 |
| 19 | 468 | 4 | 2,017 | 4,056 | 18 | 194 | 786 | 20 |
| 3 | 1,034 | 0 | 560 | 36,931 | 68 | 455 | 681 | 0 |
| 2 | 62 | 1 | 2,688 | 7,650 | 37 | 125 | 153 | 2 |
| 0 | 84 | 6 | 2,585 | 27,632 | 80 | 225 | 264 | 0 |
| 17 | 558 | 0 | 1,582 | 6,674 | 168 | 315 | 314 | 10 |
| 0 | 17 | 0 | 50 | 631 | 6 | 68 | 189 | 0 |
| 31 | 67 | 0 | 175 | 1,320 | 2 | 131 | 0 | 2 |
| 0 | 31 | 6 | 27 | 395 | 2 | 0 | 0 | 0 |
| 7 | 970 | 0 | 856 | 7,547 | 4 | 82 | 203 | 2 |
| 8 | 56 | 0 | 490 | 2,089 | 2 | 6 | 15 | 4 |
| 443 | 5,452 | 26 | 24,627 | 150,206 | 519 | 4,630 | 6,218 | 90 |
| 0 | 20 | 0 | 162 | 755 | 12 | 4 | 41 | 0 |
| 0 | 82 | 0 | 4,278 | 2,510 | 2 | 64 | 251 | 0 |
| 5 | 15 | 0 | 196 | 452 | 2 | 32 | 51 | 0 |
| 0 | 1 | 0 | 60 | 371 | 0 | 1 | 5 | 0 |
| 1 | 26 | 0 | 6 | 400 | 0 | 7 | 7 | 0 |
| 59 | 50 | 0 | 406 | 344 | 2 | 112 | 914 | 2 |
| 6 | 264 | 0 | 129 | 486 | 0 | 20 | 4 | 0 |
| 3 | 32 | 0 | 189 | 385 | 8 | 157 | 208 | 0 |
| 1 | 2 | 0 | 33 | 799 | 0 | 3 | 30 | 0 |
| 2 | 25 | 0 | 531 | 1,888 | 4 | 130 | 33 | 0 |
| 1 | 1 | 0 | 29 | 166 | 2 | 95 | 0 | 0 |
| 11 | 7 | 2 | 348 | 1,113 | 4 | 24 | 52 | 0 |
| 13 | 83 | 4 | 261 | 652 | 12 | 478 | 95 | 0 |
| 5 | 24 | 0 | 71 | 520 | 8 | 55 | 26 | 0 |
| 107 | 632 | 6 | 6,699 | 10,841 | 56 | 1,182 | 1,717 | 2 |
| 400 | 1,777 | 0 | 149 | 4,927 | 152 | 95 | 1,274 | 10 |
| 9 | 89 | 0 | 33 | 681 | 14 | 21 | 57 | 0 |
| 50 | 4 | 0 | 48 | 1,063 | 20 | 1,035 | 134 | 0 |
| 87 | 357 | 0 | 79 | 695 | 2 | 318 | 176 | 4 |
| 546 | 2,227 | 0 | 309 | 7,366 | 188 | 1,469 | 1,641 | 14 |
| 1 | 2 | 0 | 158 | 320 | 0 | 7 | 2 | 0 |
| 7 | 56 | 2 | 116 | 468 | 2 | 6 | 33 | 0 |
| 3 | 159 | 0 | 1,377 | 808 | 6 | 40 | 249 | 20 |
| 0 | 0 | 2 | 428 | 478 | 2 | 4 | 22 | 0 |
| 0 | 1 | 0 | 24 | 191 | 2 | 7 | 2 | 0 |
| 5 | 17 | 0 | 165 | 330 | 2 | 39 | 25 | 2 |
| 16 | 235 | 4 | 2,268 | 2,595 | 14 | 103 | 333 | 22 |
| 4 | 33 | 0 | 297 | 844 | 0 | 61 | 3 | 0 |
| 21 | 72 | 0 | 214 | 1,000 | 0 | 48 | 12 | 0 |
| 1 | 111 | 0 | 52 | 571 | 0 | 10 | 4 | 0 |
| 5 | 32 | 0 | 194 | 343 | 0 | 19 | 8 | 0 |
| 31 | 248 | 0 | 757 | 2,758 | 0 | 138 | 27 | 0 |
| 1,143 | 8,794 | 36 | 34,660 | 173,766 | 777 | 7,522 | 9,936 | 128 |

| COUNTRY AND LOCATION | FIJI | FINLAND | FRANCE | FRENCH POLYNESIA | GERMANY | GHANA | GREECE |
|--|--------------|--------------|------------|------------------|---------------|--------------|---------------|
| ISLAND (IF AVAILABLE) | | | | | | | |
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 102 | 45 | 0 | 18 | 0 | 2,290 | 2,859 |
| Bags (Plastic) | 890 | 67 | 43 | 13 | 245 | 3,047 | 2,430 |
| Balloons | 5 | 43 | 0 | 0 | 78 | 15 | 419 |
| Beverage Bottles (Plastic) | 2,166 | 232 | 124 | 37 | 982 | 360 | 4,661 |
| Beverage Bottles (Glass) | 344 | 540 | 233 | 4 | 1,089 | 257 | 2,035 |
| Beverage Cans | 596 | 310 | 91 | 15 | 505 | 296 | 5,189 |
| Caps, Lids | 216 | 198 | 14 | 0 | 1,467 | 146 | 10,185 |
| Clothing, Shoes | 202 | 7 | 15 | 3 | 259 | 294 | 825 |
| Cups, Plates, Forks, Knives, Spoons | 217 | 13 | 17 | 13 | 494 | 102 | 1,413 |
| Food Wrappers/Containers | 112 | 18 | 22 | 28 | 874 | 580 | 1,998 |
| Pull Tabs | 5 | 0 | 22 | 0 | 164 | 7 | 2,518 |
| 6-Pack Holders | 0 | 0 | 0 | 0 | 91 | 1 | 401 |
| Shotgun Shells/Wadding | 5 | 0 | 10 | 0 | 105 | 0 | 357 |
| Straws, Stirrers | 91 | 0 | 14 | 0 | 264 | 510 | 5,896 |
| Toys | 2 | 1 | 5 | 7 | 131 | 31 | 491 |
| Total | 4,953 | 1,474 | 610 | 138 | 6,748 | 7,936 | 41,677 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 12 | 0 | 10 | 7 | 188 | 0 | 289 |
| Bleach/Cleaner Bottles | 23 | 84 | 0 | 0 | 81 | 0 | 308 |
| Buoys/Floats | 14 | 182 | 2 | 3 | 71 | 33 | 171 |
| Crab/Lobster/Fish Traps | 9 | 3 | 9 | 0 | 16 | 0 | 62 |
| Crates | 2 | 0 | 2 | 0 | 36 | 0 | 326 |
| Fishing Line | 76 | 0 | 34 | 15 | 337 | 8 | 1,061 |
| Fishing Lures/Light Sticks | 4 | 0 | 3 | 0 | 204 | 49 | 240 |
| Fishing Nets | 13 | 0 | 10 | 2 | 8 | 32 | 599 |
| Light Bulbs/Tubes | 11 | 0 | 0 | 0 | 36 | 15 | 190 |
| Oil/Lube Bottles | 5 | 30 | 2 | 11 | 31 | 17 | 250 |
| Pallets | 2 | 0 | 1 | 2 | 16 | 0 | 219 |
| Plastic Sheeting/Tarps | 5 | 0 | 51 | 0 | 206 | 0 | 3,858 |
| Rope | 29 | 46 | 28 | 21 | 105 | 65 | 2,277 |
| Strapping Bands | 27 | 30 | 0 | 0 | 26 | 18 | 199 |
| Total | 232 | 375 | 152 | 61 | 1,361 | 237 | 10,049 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 64 | 465 | 83 | 0 | 4,100 | 1 | 35,180 |
| Cigarette Lighters | 29 | 7 | 12 | 2 | 179 | 0 | 865 |
| Cigar Tips | 4 | 0 | 0 | 9 | 113 | 0 | 28 |
| Tobacco Packaging/Wrappers | 22 | 30 | 17 | 0 | 1,164 | 0 | 1,026 |
| Total | 119 | 502 | 112 | 11 | 5,556 | 1 | 37,099 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 20 | 4 | 2 | 0 | 8 | 5 | 79 |
| Batteries | 59 | 25 | 0 | 2 | 127 | 24 | 704 |
| Building Materials | 369 | 478 | 5 | 9 | 151 | 0 | 1,385 |
| Cars/Car Parts | 25 | 2 | 3 | 0 | 26 | 0 | 111 |
| 55-Gallon Drums | 0 | 0 | 2 | 0 | 3 | 0 | 103 |
| Tires | 30 | 2 | 7 | 16 | 70 | 6 | 383 |
| Total | 503 | 511 | 19 | 27 | 385 | 35 | 2,765 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 2 | 81 | 4 | 2 | 86 | 30 | 15 |
| Diapers | 8 | 0 | 1 | 0 | 63 | 10 | 197 |
| Syringes | 5 | 79 | 0 | 0 | 15 | 19 | 117 |
| Tampons/Tampon Applicators | 0 | 0 | 8 | 4 | 78 | 0 | 1 |
| Total | 15 | 160 | 13 | 6 | 242 | 59 | 330 |
| MARINE DEBRIS ITEM TOTALS | 5,822 | 3,022 | 906 | 243 | 14,292 | 8,268 | 91,920 |

| GRENADA | GUAM | GUATEMALA | GUYANA | HONDURAS | HONG KONG | HUNGARY | INDIA | INDONESIA |
|--------------|---------------|--------------|--------------|--------------|---------------|--------------|----------------|--------------|
| 92 | 3,811 | 382 | 641 | 45 | 688 | 0 | 18,780 | 799 |
| 604 | 3,843 | 383 | 641 | 547 | 7,907 | 100 | 15,016 | 1,994 |
| 6 | 426 | 0 | 99 | 0 | 1,129 | 0 | 4,131 | 6 |
| 420 | 7,655 | 742 | 1,298 | 1,664 | 4,050 | 500 | 4,731 | 681 |
| 290 | 9,712 | 878 | 33 | 142 | 1,232 | 350 | 3,454 | 110 |
| 263 | 17,920 | 345 | 351 | 86 | 622 | 50 | 1,290 | 209 |
| 236 | 6,655 | 0 | 1,461 | 1,145 | 3,745 | 0 | 5,591 | 326 |
| 112 | 2,377 | 46 | 266 | 58 | 1,307 | 31 | 7,560 | 289 |
| 184 | 6,450 | 128 | 967 | 97 | 2,980 | 4 | 5,363 | 182 |
| 549 | 6,260 | 0 | 719 | 480 | 4,872 | 0 | 10,638 | 367 |
| 13 | 1,744 | 0 | 42 | 0 | 514 | 0 | 379 | 0 |
| 3 | 984 | 0 | 49 | 0 | 303 | 0 | 183 | 0 |
| 0 | 152 | 0 | 14 | 0 | 49 | 0 | 1,255 | 0 |
| 86 | 1,788 | 0 | 1,471 | 286 | 3,041 | 0 | 4,405 | 164 |
| 7 | 690 | 0 | 139 | 19 | 640 | 3 | 1,792 | 5 |
| 2,865 | 70,467 | 2,904 | 8,191 | 4,569 | 33,079 | 1,038 | 84,568 | 5,132 |
| 25 | 135 | 0 | 27 | 5 | 2,452 | 3 | 552 | 20 |
| 37 | 377 | 0 | 92 | 0 | 355 | 30 | 604 | 10 |
| 8 | 174 | 5 | 10 | 0 | 268 | 0 | 1,382 | 0 |
| 7 | 87 | 0 | 10 | 0 | 163 | 0 | 254 | 1 |
| 2 | 54 | 0 | 21 | 2 | 189 | 0 | 197 | 2 |
| 23 | 356 | 0 | 38 | 0 | 692 | 0 | 310 | 74 |
| 1 | 106 | 0 | 33 | 0 | 652 | 0 | 313 | 4 |
| 5 | 139 | 3 | 37 | 1 | 521 | 0 | 686 | 7 |
| 4 | 135 | 0 | 21 | 0 | 324 | 0 | 581 | 0 |
| 34 | 200 | 0 | 78 | 17 | 188 | 0 | 582 | 16 |
| 1 | 63 | 0 | 9 | 0 | 128 | 0 | 218 | 0 |
| 54 | 623 | 0 | 131 | 0 | 1,034 | 0 | 1,916 | 79 |
| 53 | 530 | 0 | 119 | 3 | 1,213 | 0 | 3,998 | 21 |
| 27 | 225 | 0 | 105 | 0 | 792 | 0 | 530 | 0 |
| 281 | 3,204 | 8 | 731 | 28 | 8,971 | 33 | 12,123 | 234 |
| 157 | 17,574 | 15 | 231 | 1,000 | 4,689 | 1,000 | 9,193 | 370 |
| 7 | 366 | 0 | 123 | 0 | 878 | 20 | 2,750 | 14 |
| 19 | 1,542 | 0 | 101 | 0 | 274 | 0 | 1,214 | 0 |
| 46 | 1,247 | 0 | 113 | 227 | 895 | 800 | 9,742 | 134 |
| 229 | 20,729 | 15 | 568 | 1,227 | 6,736 | 1,820 | 22,899 | 518 |
| 1 | 211 | 2 | 9 | 1 | 57 | 0 | 121 | 0 |
| 3 | 978 | 2 | 38 | 0 | 168 | 0 | 651 | 106 |
| 51 | 766 | 0 | 68 | 3 | 1,774 | 150 | 1,747 | 1 |
| 9 | 447 | 26 | 15 | 4 | 128 | 80 | 166 | 0 |
| 0 | 26 | 0 | 3 | 0 | 58 | 0 | 11 | 2 |
| 0 | 257 | 0 | 11 | 2 | 71 | 0 | 402 | 2 |
| 64 | 2,685 | 30 | 144 | 10 | 2,256 | 230 | 3,098 | 111 |
| 6 | 130 | 7 | 152 | 14 | 105 | 5 | 626 | 0 |
| 3 | 815 | 0 | 18 | 18 | 32 | 2 | 492 | 22 |
| 0 | 25 | 0 | 22 | 6 | 167 | 10 | 1,227 | 0 |
| 3 | 89 | 0 | 28 | 0 | 107 | 30 | 65 | 30 |
| 12 | 1,059 | 7 | 220 | 38 | 411 | 47 | 2,410 | 52 |
| 3,451 | 98,144 | 2,964 | 9,854 | 5,872 | 51,453 | 3,168 | 125,098 | 6,047 |





| COUNTRY AND LOCATION | IRELAND | ISRAEL | ITALY | JAMAICA | JAPAN | JORDAN | KENYA |
|--|---------------|------------|---------------|----------------|----------------|--------------|---------------|
| ISLAND (IF AVAILABLE) | | | | | | | |
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 118 | 0 | 50 | 4,544 | 4,764 | 17 | 17,066 |
| Bags (Plastic) | 67 | 10 | 797 | 15,153 | 5,424 | 287 | 6,867 |
| Balloons | 25 | 0 | 30 | 227 | 661 | 2 | 1,956 |
| Beverage Bottles (Plastic) | 1,059 | 12 | 886 | 56,370 | 8,835 | 217 | 3,995 |
| Beverage Bottles (Glass) | 505 | 3 | 663 | 7,801 | 6,803 | 76 | 1,980 |
| Beverage Cans | 749 | 0 | 610 | 5,731 | 7,934 | 435 | 1,065 |
| Caps, Lids | 2,078 | 0 | 783 | 18,534 | 12,739 | 39 | 7,112 |
| Clothing, Shoes | 67 | 3 | 105 | 5,468 | 1,857 | 6 | 5,215 |
| Cups, Plates, Forks, Knives, Spoons | 624 | 15 | 568 | 10,335 | 2,746 | 54 | 8,294 |
| Food Wrappers/Containers | 3,114 | 6 | 430 | 8,862 | 18,834 | 28 | 5,041 |
| Pull Tabs | 49 | 0 | 172 | 162 | 850 | 0 | 2,409 |
| 6-Pack Holders | 66 | 0 | 60 | 60 | 78 | 2 | 605 |
| Shotgun Shells/Wadding | 11 | 0 | 69 | 17 | 137 | 0 | 1,004 |
| Straws, Stirrers | 323 | 30 | 238 | 3,492 | 3,256 | 16 | 1,095 |
| Toys | 36 | 8 | 171 | 651 | 1,152 | 4 | 1,613 |
| Total | 8,891 | 87 | 5,632 | 137,407 | 76,070 | 1,183 | 65,317 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 8 | 0 | 31 | 231 | 448 | 3 | 1,075 |
| Bleach/Cleaner Bottles | 118 | 0 | 149 | 1,501 | 992 | 5 | 891 |
| Buoys/Floats | 9 | 0 | 19 | 72 | 10,632 | 1 | 1,037 |
| Crab/Lobster/Fish Traps | 0 | 0 | 24 | 95 | 456 | 5 | 576 |
| Crates | 1 | 0 | 70 | 93 | 340 | 2 | 313 |
| Fishing Line | 15 | 1 | 117 | 190 | 1,999 | 156 | 767 |
| Fishing Lures/Light Sticks | 3 | 0 | 5 | 36 | 626 | 130 | 689 |
| Fishing Nets | 39 | 1 | 36 | 150 | 337 | 2 | 858 |
| Light Bulbs/Tubes | 5 | 0 | 12 | 165 | 165 | 0 | 823 |
| Oil/Lube Bottles | 11 | 0 | 40 | 1,003 | 60 | 15 | 740 |
| Pallets | 7 | 0 | 3 | 15 | 78 | 1 | 364 |
| Plastic Sheeting/Tarps | 46 | 10 | 491 | 523 | 592 | 3 | 723 |
| Rope | 318 | 1 | 78 | 236 | 11,510 | 4 | 2,487 |
| Strapping Bands | 39 | 0 | 102 | 61 | 1,856 | 5 | 377 |
| Total | 619 | 13 | 1,177 | 4,371 | 30,091 | 332 | 11,720 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 257 | 20 | 7,884 | 979 | 49,913 | 0 | 3,679 |
| Cigarette Lighters | 44 | 3 | 107 | 1,076 | 2,671 | 10 | 890 |
| Cigar Tips | 1 | 12 | 186 | 289 | 6,159 | 0 | 938 |
| Tobacco Packaging/Wrappers | 113 | 0 | 242 | 170 | 1,915 | 47 | 1,541 |
| Total | 415 | 35 | 8,419 | 2,514 | 60,658 | 57 | 7,048 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 6 | 0 | 173 | 102 | 315 | 0 | 370 |
| Batteries | 5 | 1 | 96 | 133 | 237 | 12 | 576 |
| Building Materials | 148 | 0 | 153 | 265 | 1,422 | 1 | 875 |
| Cars/Car Parts | 2 | 0 | 55 | 348 | 68 | 0 | 484 |
| 55-Gallon Drums | 2 | 0 | 11 | 15 | 66 | 2 | 182 |
| Tires | 8 | 6 | 108 | 315 | 292 | 13 | 594 |
| Total | 171 | 7 | 596 | 1,178 | 2,400 | 28 | 3,081 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 10 | 0 | 49 | 723 | 76 | 0 | 2,176 |
| Diapers | 7 | 0 | 47 | 681 | 69 | 34 | 618 |
| Syringes | 14 | 0 | 10 | 101 | 137 | 0 | 426 |
| Tampons/Tampon Applicators | 15 | 0 | 44 | 56 | 104 | 27 | 707 |
| Total | 46 | 0 | 150 | 1,561 | 386 | 61 | 3,927 |
| MARINE DEBRIS ITEM TOTALS | 10,142 | 142 | 15,974 | 147,031 | 169,605 | 1,661 | 91,093 |

| KUWAIT | MALAYSIA | MALDIVES | MALTA | MARSHALL ISLANDS | MAURITIUS | MEXICO | MOZAMBIQUE | NETHERLANDS ANTILLES |
|------------|---------------|--------------|--------------|------------------|--------------|----------------|--------------|----------------------|
| | | | | | | | | BONAIRE |
| 120 | 856 | 0 | 75 | 10 | 5 | 4,929 | 274 | 121 |
| 40 | 3,727 | 163 | 77 | 31 | 20 | 44,438 | 207 | 391 |
| 0 | 844 | 11 | 6 | 0 | 0 | 1,470 | 0 | 16 |
| 32 | 2,046 | 245 | 275 | 290 | 0 | 54,011 | 262 | 223 |
| 16 | 880 | 159 | 306 | 92 | 50 | 22,614 | 193 | 363 |
| 7 | 504 | 207 | 427 | 311 | 90 | 7,664 | 241 | 92 |
| 11 | 794 | 243 | 84 | 88 | 0 | 48,785 | 287 | 263 |
| 2 | 579 | 85 | 30 | 240 | 0 | 7,606 | 113 | 52 |
| 1 | 688 | 131 | 182 | 31 | 10 | 25,265 | 44 | 433 |
| 7 | 1,343 | 169 | 84 | 21 | 10 | 18,381 | 82 | 272 |
| 0 | 68 | 0 | 17 | 1 | 0 | 4,088 | 36 | 29 |
| 0 | 21 | 2 | 6 | 1 | 0 | 4,209 | 47 | 10 |
| 0 | 15 | 0 | 0 | 0 | 0 | 135 | 0 | 2 |
| 0 | 704 | 97 | 61 | 1 | 0 | 10,952 | 2 | 235 |
| 3 | 121 | 10 | 45 | 15 | 5 | 2,256 | 20 | 31 |
| 239 | 13,190 | 1,522 | 1,675 | 1,132 | 190 | 256,803 | 1,808 | 2,533 |
| 0 | 71 | 37 | 25 | 1 | 0 | 413 | 7 | 6 |
| 0 | 149 | 49 | 10 | 12 | 0 | 3,831 | 28 | 32 |
| 0 | 561 | 13 | 2 | 11 | 0 | 615 | 1 | 9 |
| 2 | 40 | 0 | 6 | 0 | 0 | 186 | 0 | 2 |
| 0 | 18 | 0 | 18 | 4 | 0 | 342 | 12 | 7 |
| 1 | 132 | 237 | 60 | 7 | 20 | 1,351 | 17 | 34 |
| 0 | 27 | 24 | 45 | 3 | 2 | 243 | 0 | 12 |
| 0 | 95 | 16 | 0 | 0 | 3 | 736 | 18 | 6 |
| 2 | 141 | 19 | 36 | 0 | 1 | 326 | 1 | 21 |
| 0 | 158 | 50 | 49 | 0 | 0 | 2,420 | 40 | 29 |
| 0 | 15 | 4 | 4 | 0 | 0 | 494 | 0 | 21 |
| 0 | 342 | 140 | 16 | 0 | 0 | 1,282 | 1 | 45 |
| 1 | 761 | 144 | 20 | 30 | 0 | 4,186 | 145 | 42 |
| 0 | 89 | 169 | 12 | 5 | 0 | 697 | 0 | 7 |
| 6 | 2,599 | 902 | 303 | 73 | 26 | 17,122 | 270 | 273 |
| 11 | 3,333 | 125 | 1,100 | 1,004 | 5,000 | 30,747 | 321 | 57 |
| 5 | 319 | 7 | 0 | 0 | 1 | 1,163 | 16 | 88 |
| 0 | 675 | 19 | 3 | 44 | 0 | 5,369 | 10 | 204 |
| 0 | 390 | 34 | 15 | 57 | 0 | 2,322 | 50 | 5 |
| 16 | 4,717 | 185 | 1,118 | 1,105 | 5,001 | 39,601 | 397 | 354 |
| 0 | 36 | 53 | 3 | 0 | 0 | 191 | 3 | 0 |
| 1 | 53 | 76 | 16 | 0 | 0 | 492 | 8 | 1 |
| 0 | 308 | 586 | 97 | 4 | 0 | 1,865 | 9 | 30 |
| 0 | 36 | 0 | 11 | 0 | 0 | 524 | 3 | 9 |
| 0 | 2 | 4 | 1 | 0 | 0 | 80 | 0 | 2 |
| 0 | 21 | 19 | 38 | 1 | 5 | 413 | 0 | 19 |
| 1 | 456 | 738 | 166 | 5 | 5 | 3,565 | 23 | 61 |
| 0 | 25 | 0 | 0 | 0 | 15 | 867 | 13 | 2 |
| 1 | 89 | 20 | 3 | 0 | 0 | 2,468 | 18 | 18 |
| 0 | 20 | 6 | 0 | 0 | 5 | 586 | 0 | 12 |
| 0 | 11 | 3 | 0 | 0 | 0 | 421 | 11 | 4 |
| 1 | 145 | 29 | 3 | 0 | 20 | 4,342 | 42 | 36 |
| 263 | 21,107 | 3,376 | 3,265 | 2,315 | 5,242 | 321,433 | 2,540 | 3,257 |

| COUNTRY AND LOCATION | NETHERLANDS ANTILLES | NETHERLANDS ANTILLES | NETHERLANDS ANTILLES | NETHERLANDS ANTILLES | NETHERLANDS | NEW ZEALAND | NICARAGUA |
|--|----------------------|----------------------|----------------------|----------------------|--------------|--------------|---------------|
| ISLAND (IF AVAILABLE) | CURACAO | ST. EUSTATIUS | ST. MAARTEN | TOTAL | | | |
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 19 | 27 | 1,345 | 1,512 | 79 | 103 | 5,218 |
| Bags (Plastic) | 25 | 28 | 2,703 | 3,147 | 217 | 365 | 8,764 |
| Balloons | 2 | 4 | 115 | 137 | 4 | 19 | 420 |
| Beverage Bottles (Plastic) | 47 | 76 | 3,111 | 3,457 | 429 | 243 | 11,971 |
| Beverage Bottles (Glass) | 211 | 11 | 4,840 | 5,425 | 244 | 501 | 4,532 |
| Beverage Cans | 80 | 2 | 2,447 | 2,621 | 465 | 282 | 1,072 |
| Caps, Lids | 40 | 443 | 3,744 | 4,490 | 150 | 824 | 10,136 |
| Clothing, Shoes | 40 | 18 | 755 | 865 | 28 | 89 | 2,248 |
| Cups, Plates, Forks, Knives, Spoons | 97 | 135 | 3,676 | 4,341 | 180 | 164 | 3,835 |
| Food Wrappers/Containers | 15 | 104 | 1,998 | 2,389 | 779 | 769 | 3,455 |
| Pull Tabs | 26 | 4 | 190 | 249 | 90 | 126 | 145 |
| 6-Pack Holders | 15 | 0 | 190 | 215 | 36 | 2 | 289 |
| Shotgun Shells/Wadding | 0 | 8 | 3 | 13 | 0 | 18 | 47 |
| Straws, Stirrers | 13 | 113 | 1,536 | 1,897 | 55 | 163 | 5,910 |
| Toys | 3 | 11 | 156 | 201 | 86 | 28 | 1,023 |
| Total | 633 | 984 | 26,809 | 30,959 | 2,842 | 3,696 | 59,065 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 5 | 0 | 42 | 53 | 4 | 9 | 177 |
| Bleach/Cleaner Bottles | 0 | 1 | 190 | 223 | 14 | 2 | 2,910 |
| Buoys/Floats | 0 | 11 | 37 | 57 | 3 | 1 | 518 |
| Crab/Lobster/Fish Traps | 0 | 0 | 11 | 13 | 4 | 4 | 4 |
| Crates | 0 | 0 | 15 | 22 | 1 | 1 | 14 |
| Fishing Line | 357 | 16 | 15 | 422 | 23 | 119 | 224 |
| Fishing Lures/Light Sticks | 14 | 2 | 17 | 45 | 3 | 38 | 0 |
| Fishing Nets | 4 | 9 | 36 | 55 | 2 | 3 | 100 |
| Light Bulbs/Tubes | 1 | 0 | 29 | 51 | 2 | 0 | 66 |
| Oil/Lube Bottles | 2 | 10 | 101 | 142 | 3 | 2 | 685 |
| Pallets | 0 | 0 | 64 | 85 | 4 | 0 | 0 |
| Plastic Sheeting/Tarps | 2 | 80 | 244 | 371 | 1 | 24 | 126 |
| Rope | 9 | 257 | 283 | 591 | 23 | 16 | 926 |
| Strapping Bands | 12 | 8 | 44 | 71 | 32 | 13 | 141 |
| Total | 406 | 394 | 1,128 | 2,201 | 119 | 232 | 5,891 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 123 | 5 | 2,183 | 2,368 | 418 | 1,194 | 2,098 |
| Cigarette Lighters | 0 | 9 | 118 | 215 | 34 | 14 | 779 |
| Cigar Tips | 0 | 1 | 581 | 786 | 4 | 94 | 1,632 |
| Tobacco Packaging/Wrappers | 10 | 0 | 111 | 126 | 115 | 36 | 290 |
| Total | 133 | 15 | 2,993 | 3,495 | 571 | 1,338 | 4,799 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 0 | 0 | 14 | 14 | 3 | 2 | 43 |
| Batteries | 1 | 2 | 39 | 43 | 13 | 15 | 18 |
| Building Materials | 5 | 8 | 275 | 318 | 139 | 57 | 229 |
| Cars/Car Parts | 1 | 2 | 49 | 61 | 14 | 4 | 101 |
| 55-Gallon Drums | 0 | 0 | 3 | 5 | 4 | 0 | 1 |
| Tires | 8 | 3 | 10 | 40 | 12 | 5 | 73 |
| Total | 15 | 15 | 390 | 481 | 185 | 83 | 465 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 2 | 1 | 240 | 245 | 11 | 12 | 176 |
| Diapers | 0 | 1 | 139 | 158 | 1 | 0 | 97 |
| Syringes | 0 | 1 | 3 | 16 | 3 | 2 | 183 |
| Tampons/Tampon Applicators | 0 | 1 | 94 | 99 | 1 | 1 | 131 |
| Total | 2 | 4 | 476 | 518 | 16 | 15 | 587 |
| MARINE DEBRIS ITEM TOTALS | 1,189 | 1,412 | 31,796 | 37,654 | 3,733 | 5,364 | 70,807 |

| NIGERIA | NORTHERN MARIANA ISLANDS | OMAN | PALAU | PARAGUAY | PHILIPPINES | POLAND | PORTUGAL | PUERTO RICO |
|------------------|--------------------------|--------------|--------------|--------------|------------------|--------------|--------------|----------------|
| 44,141 | 193 | 30 | 850 | 111 | 253,013 | 242 | 0 | 10,968 |
| 155,274 | 280 | 619 | 80 | 1,255 | 679,957 | 254 | 198 | 24,641 |
| 3,810 | 10 | 0 | 80 | 10 | 8,756 | 38 | 0 | 1,756 |
| 85,262 | 339 | 292 | 100 | 72 | 20,238 | 347 | 249 | 33,744 |
| 33,188 | 438 | 94 | 500 | 46 | 12,553 | 279 | 424 | 41,452 |
| 53,854 | 792 | 333 | 500 | 16 | 8,619 | 213 | 198 | 14,332 |
| 137,489 | 175 | 192 | 1,000 | 360 | 12,930 | 106 | 99 | 33,126 |
| 11,394 | 32 | 8 | 50 | 144 | 38,394 | 45 | 63 | 8,019 |
| 8,237 | 329 | 74 | 300 | 78 | 18,614 | 79 | 82 | 37,411 |
| 84,006 | 115 | 38 | 1,000 | 45 | 103,226 | 146 | 112 | 16,043 |
| 192,244 | 78 | 0 | 40 | 0 | 1,027 | 53 | 16 | 3,368 |
| 579 | 58 | 0 | 200 | 0 | 998 | 5 | 2 | 2,446 |
| 0 | 0 | 0 | 0 | 0 | 843 | 2 | 0 | 400 |
| 130,814 | 54 | 0 | 0 | 117 | 68,421 | 4 | 0 | 15,281 |
| 5,142 | 13 | 4 | 10 | 9 | 7,574 | 14 | 5 | 2,677 |
| 945,434 | 2,906 | 1,684 | 4,710 | 2,263 | 1,235,163 | 1,827 | 1,448 | 245,664 |
| 0 | 3 | 83 | 0 | 18 | 1,915 | 7 | 10 | 410 |
| 0 | 6 | 3 | 10 | 1 | 3,515 | 2 | 17 | 1,656 |
| 0 | 2 | 3 | 5 | 0 | 2,563 | 1 | 3 | 699 |
| 0 | 3 | 20 | 0 | 0 | 1,837 | 0 | 154 | 134 |
| 0 | 0 | 9 | 1 | 9 | 570 | 1 | 10 | 553 |
| 0 | 15 | 60 | 1 | 0 | 3,142 | 8 | 254 | 795 |
| 0 | 2 | 19 | 0 | 0 | 1,701 | 7 | 17 | 204 |
| 0 | 0 | 11 | 0 | 0 | 2,660 | 4 | 226 | 504 |
| 0 | 13 | 2 | 0 | 5 | 1,413 | 2 | 0 | 387 |
| 0 | 6 | 4 | 5 | 2 | 1,874 | 8 | 26 | 1,588 |
| 0 | 1 | 0 | 1 | 1 | 384 | 2 | 10 | 282 |
| 0 | 7 | 3 | 5 | 139 | 13,883 | 4 | 85 | 2,682 |
| 0 | 36 | 16 | 1 | 21 | 6,854 | 6 | 128 | 2,028 |
| 0 | 9 | 23 | 0 | 107 | 1,499 | 33 | 26 | 360 |
| 0 | 103 | 256 | 29 | 303 | 43,810 | 85 | 966 | 12,282 |
| 65,467 | 698 | 15 | 500 | 110 | 34,154 | 97 | 333 | 56,888 |
| 4,098 | 19 | 28 | 20 | 3 | 5,025 | 12 | 30 | 1,284 |
| 7,593 | 9 | 0 | 0 | 64 | 8,011 | 19 | 100 | 4,791 |
| 14,902 | 76 | 40 | 150 | 29 | 8,624 | 68 | 140 | 1,913 |
| 92,060 | 802 | 83 | 670 | 206 | 55,814 | 196 | 603 | 64,876 |
| 9 | 5 | 0 | 1 | 0 | 231 | 1 | 0 | 496 |
| 7,479 | 22 | 1 | 2 | 2 | 1,906 | 13 | 46 | 616 |
| 1,704 | 76 | 88 | 0 | 256 | 2,055 | 33 | 1 | 3,302 |
| 6,774 | 17 | 0 | 4 | 13 | 561 | 7 | 18 | 1,183 |
| 0 | 0 | 1 | 0 | 0 | 221 | 0 | 1 | 94 |
| 8,287 | 6 | 3 | 20 | 2 | 1,054 | 22 | 58 | 1,045 |
| 24,253 | 126 | 93 | 27 | 273 | 6,028 | 76 | 124 | 6,736 |
| 5,575 | 9 | 0 | 0 | 58 | 650 | 27 | 2 | 671 |
| 13,498 | 6 | 0 | 20 | 8 | 11,077 | 2 | 0 | 1,457 |
| 748 | 0 | 0 | 0 | 11 | 835 | 0 | 3 | 850 |
| 23 | 1 | 0 | 0 | 2 | 1,859 | 0 | 1 | 497 |
| 19,844 | 16 | 0 | 20 | 79 | 14,421 | 29 | 6 | 3,475 |
| 1,081,591 | 3,953 | 2,116 | 5,456 | 3,124 | 1,355,236 | 2,213 | 3,147 | 333,033 |



MARINE DEBRIS BREAKDOWN BY COUNTRIES AND LOCATIONS (AND ISLANDS IF AVAILABLE)



| COUNTRY AND LOCATION | QATAR | REPUBLIC OF KOREA | RUSSIA | SAUDI ARABIA | SINGAPORE | SLOVENIA | SOLOMON ISLANDS |
|--|---------------|-------------------|--------------|--------------|----------------|------------|-----------------|
| ISLAND (IF AVAILABLE) | | | | | | | |
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 1,147 | 5 | 85 | 83 | 1,177 | 0 | 18 |
| Bags (Plastic) | 1,647 | 7,927 | 92 | 254 | 26,006 | 59 | 166 |
| Balloons | 146 | 174 | 2 | 0 | 340 | 0 | 0 |
| Beverage Bottles (Plastic) | 1,145 | 4,410 | 58 | 242 | 4,932 | 25 | 130 |
| Beverage Bottles (Glass) | 676 | 3,652 | 26 | 346 | 2,726 | 8 | 79 |
| Beverage Cans | 1,264 | 3,012 | 37 | 900 | 930 | 19 | 629 |
| Caps, Lids | 1,075 | 3,765 | 187 | 180 | 3,557 | 0 | 145 |
| Clothing, Shoes | 348 | 1,057 | 31 | 41 | 1,991 | 8 | 18 |
| Cups, Plates, Forks, Knives, Spoons | 1,080 | 1,887 | 75 | 398 | 3,319 | 20 | 0 |
| Food Wrappers/Containers | 611 | 3,257 | 93 | 118 | 12,932 | 30 | 112 |
| Pull Tabs | 299 | 129 | 0 | 112 | 286 | 10 | 0 |
| 6-Pack Holders | 40 | 927 | 0 | 0 | 36 | 0 | 0 |
| Shotgun Shells/Wadding | 75 | 45 | 0 | 0 | 229 | 0 | 0 |
| Straws, Stirrers | 463 | 1,579 | 11 | 21 | 9,428 | 5 | 0 |
| Toys | 124 | 405 | 9 | 45 | 1,037 | 5 | 0 |
| Total | 10,140 | 32,231 | 706 | 2,740 | 68,926 | 189 | 1,297 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 56 | 999 | 4 | 3 | 241 | 0 | 0 |
| Bleach/Cleaner Bottles | 93 | 170 | 0 | 4 | 244 | 3 | 3 |
| Buoys/Floats | 28 | 6,107 | 4 | 2 | 117 | 0 | 0 |
| Crab/Lobster/Fish Traps | 37 | 476 | 0 | 1 | 213 | 0 | 0 |
| Crates | 5 | 309 | 22 | 1 | 54 | 1 | 0 |
| Fishing Line | 83 | 1,245 | 1 | 19 | 276 | 1 | 0 |
| Fishing Lures/Light Sticks | 37 | 1,091 | 0 | 11 | 285 | 2 | 0 |
| Fishing Nets | 46 | 1,060 | 0 | 1 | 305 | 3 | 0 |
| Light Bulbs/Tubes | 23 | 149 | 2 | 0 | 267 | 0 | 0 |
| Oil/Lube Bottles | 55 | 325 | 0 | 5 | 123 | 2 | 0 |
| Pallets | 15 | 1,180 | 0 | 2 | 54 | 0 | 0 |
| Plastic Sheeting/Tarps | 50 | 1,598 | 35 | 0 | 4,275 | 3 | 6 |
| Rope | 129 | 2,891 | 84 | 4 | 1,688 | 2 | 5 |
| Strapping Bands | 28 | 2,127 | 2 | 6 | 846 | 4 | 0 |
| Total | 685 | 19,727 | 154 | 59 | 8,988 | 21 | 14 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 1,107 | 15,703 | 828 | 238 | 18,304 | 0 | 26 |
| Cigarette Lighters | 91 | 855 | 17 | 19 | 704 | 2 | 13 |
| Cigar Tips | 202 | 298 | 14 | 0 | 1,360 | 17 | 0 |
| Tobacco Packaging/Wrappers | 201 | 1,159 | 36 | 89 | 355 | 6 | 52 |
| Total | 1,601 | 18,015 | 895 | 346 | 20,723 | 25 | 91 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 10 | 164 | 1 | 0 | 114 | 0 | 0 |
| Batteries | 57 | 361 | 0 | 3 | 455 | 2 | 23 |
| Building Materials | 100 | 917 | 23 | 12 | 1,263 | 20 | 0 |
| Cars/Car Parts | 36 | 95 | 0 | 0 | 134 | 4 | 0 |
| 55-Gallon Drums | 4 | 90 | 0 | 5 | 21 | 0 | 0 |
| Tires | 20 | 243 | 0 | 18 | 95 | 1 | 0 |
| Total | 227 | 1,870 | 24 | 38 | 2,082 | 27 | 23 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 26 | 31 | 1 | 3 | 101 | 0 | 0 |
| Diapers | 151 | 49 | 1 | 19 | 57 | 0 | 11 |
| Syringes | 32 | 27 | 3 | 0 | 36 | 0 | 1 |
| Tampons/Tampon Applicators | 8 | 11 | 0 | 0 | 83 | 0 | 0 |
| Total | 217 | 118 | 5 | 22 | 277 | 0 | 12 |
| MARINE DEBRIS ITEM TOTALS | 12,870 | 71,961 | 1,784 | 3,205 | 100,996 | 262 | 1,437 |

| SOUTH AFRICA | SPAIN | SRI LANKA | ST. VINCENT AND THE GRENADINES | SWEDEN | SWITZERLAND | TANZANIA | THAILAND | TRINIDAD AND TOBAGO |
|---------------|---------------|---------------|--------------------------------|------------|--------------|---------------|---------------|---------------------|
| | | | GRENADINES | | | | | |
| 488 | 0 | 4,115 | 575 | 5 | 0 | 0 | 1,914 | 2,431 |
| 2,859 | 2,722 | 10,270 | 2,605 | 39 | 134 | 2,300 | 3,198 | 6,549 |
| 60 | 94 | 352 | 44 | 1 | 15 | 0 | 379 | 74 |
| 6,035 | 1,221 | 5,649 | 2,185 | 18 | 775 | 575 | 3,216 | 15,129 |
| 2,948 | 463 | 2,091 | 2,483 | 23 | 663 | 78 | 3,310 | 7,604 |
| 1,464 | 824 | 520 | 2,143 | 44 | 246 | 245 | 2,555 | 2,504 |
| 10,564 | 898 | 3,103 | 889 | 25 | 218 | 880 | 5,074 | 12,822 |
| 638 | 171 | 3,346 | 465 | 11 | 50 | 56 | 9,054 | 2,075 |
| 1,058 | 188 | 491 | 910 | 82 | 186 | 0 | 2,018 | 10,448 |
| 2,651 | 1,108 | 4,830 | 990 | 36 | 312 | 1,250 | 16,763 | 7,573 |
| 96 | 579 | 116 | 55 | 2 | 13 | 20 | 270 | 333 |
| 61 | 216 | 183 | 34 | 0 | 3 | 0 | 9 | 119 |
| 83 | 5 | 153 | 7 | 1 | 6 | 0 | 8 | 13 |
| 2,224 | 233 | 4,211 | 177 | 0 | 40 | 1,727 | 2,484 | 1,921 |
| 330 | 58 | 685 | 58 | 15 | 35 | 0 | 235 | 402 |
| 31,559 | 8,780 | 40,115 | 13,620 | 302 | 2,696 | 7,131 | 50,487 | 69,997 |
| 240 | 135 | 318 | 32 | 0 | 30 | 0 | 509 | 287 |
| 170 | 163 | 453 | 62 | 0 | 11 | 0 | 849 | 327 |
| 68 | 69 | 1,602 | 113 | 4 | 6 | 20 | 814 | 164 |
| 68 | 14 | 114 | 29 | 1 | 1 | 0 | 622 | 53 |
| 149 | 134 | 72 | 5 | 0 | 7 | 0 | 15 | 46 |
| 1,822 | 215 | 249 | 21 | 22 | 63 | 0 | 622 | 140 |
| 160 | 91 | 89 | 14 | 0 | 22 | 0 | 22 | 41 |
| 97 | 282 | 300 | 21 | 4 | 5 | 0 | 700 | 156 |
| 116 | 17 | 306 | 137 | 0 | 7 | 0 | 145 | 105 |
| 122 | 91 | 327 | 338 | 1 | 10 | 0 | 279 | 529 |
| 25 | 36 | 103 | 23 | 0 | 2 | 0 | 22 | 34 |
| 164 | 135 | 341 | 22 | 11 | 63 | 0 | 426 | 140 |
| 2,356 | 268 | 408 | 247 | 36 | 40 | 15 | 11,411 | 707 |
| 477 | 112 | 184 | 13 | 7 | 24 | 0 | 701 | 64 |
| 6,034 | 1,762 | 4,866 | 1,077 | 86 | 291 | 35 | 17,137 | 2,793 |
| 2,450 | 1,919 | 14,609 | 271 | 70 | 1,830 | 3,450 | 2,128 | 1,117 |
| 220 | 92 | 879 | 27 | 0 | 69 | 26 | 1,228 | 424 |
| 13 | 446 | 485 | 14 | 0 | 37 | 0 | 359 | 496 |
| 370 | 237 | 999 | 86 | 0 | 99 | 44 | 209 | 671 |
| 3,053 | 2,694 | 16,972 | 398 | 70 | 2,035 | 3,520 | 3,924 | 2,708 |
| 28 | 12 | 90 | 19 | 1 | 22 | 0 | 907 | 42 |
| 18 | 29 | 324 | 21 | 1 | 123 | 0 | 421 | 51 |
| 797 | 342 | 297 | 74 | 27 | 224 | 35 | 813 | 263 |
| 130 | 21 | 194 | 22 | 17 | 8 | 10 | 316 | 106 |
| 30 | 8 | 38 | 4 | 0 | 1 | 0 | 0 | 11 |
| 125 | 41 | 130 | 15 | 31 | 63 | 0 | 157 | 84 |
| 1,128 | 453 | 1,073 | 155 | 77 | 441 | 45 | 2,614 | 557 |
| 308 | 82 | 265 | 46 | 0 | 38 | 30 | 22 | 159 |
| 29 | 50 | 194 | 33 | 3 | 11 | 0 | 48 | 289 |
| 6 | 2 | 167 | 6 | 0 | 6 | 0 | 16 | 70 |
| 82 | 181 | 231 | 5 | 17 | 20 | 0 | 10 | 77 |
| 425 | 315 | 857 | 90 | 20 | 75 | 30 | 96 | 595 |
| 42,199 | 14,004 | 63,883 | 15,340 | 555 | 5,538 | 10,761 | 74,258 | 76,650 |

| COUNTRY AND LOCATION | TURKEY | UKRAINE | UNITED KINGDOM | UNITED STATES | US VIRGIN ISLANDS | US VIRGIN ISLANDS | US VIRGIN ISLANDS |
|--|---------------|------------|----------------|------------------|-------------------|-------------------|-------------------|
| ISLAND (IF AVAILABLE) | | | | | ST. CROIX | ST. JOHN | ST. THOMAS |
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 1,384 | 6 | 699 | 78,417 | 778 | 32 | 1,822 |
| Bags (Plastic) | 2,430 | 31 | 8,440 | 229,758 | 1,902 | 274 | 3,965 |
| Balloons | 68 | 0 | 1,744 | 38,181 | 308 | 4 | 67 |
| Beverage Bottles (Plastic) | 1,540 | 22 | 12,819 | 210,568 | 2,228 | 547 | 3,571 |
| Beverage Bottles (Glass) | 464 | 14 | 2,092 | 168,849 | 2,629 | 287 | 3,111 |
| Beverage Cans | 749 | 0 | 670 | 163,441 | 1,903 | 271 | 2,212 |
| Caps, Lids | 1,732 | 0 | 26,751 | 379,589 | 3,850 | 787 | 4,293 |
| Clothing, Shoes | 152 | 2 | 3,723 | 46,634 | 788 | 124 | 876 |
| Cups, Plates, Forks, Knives, Spoons | 103 | 24 | 4,267 | 167,108 | 2,267 | 201 | 2,671 |
| Food Wrappers/Containers | 516 | 0 | 32,170 | 397,231 | 1,961 | 443 | 2,902 |
| Pull Tabs | 757 | 0 | 103 | 36,538 | 364 | 46 | 241 |
| 6-Pack Holders | 323 | 0 | 478 | 10,995 | 84 | 7 | 90 |
| Shotgun Shells/Wadding | 6 | 0 | 1,692 | 19,060 | 381 | 5 | 30 |
| Straws, Stirrers | 320 | 0 | 6,963 | 155,659 | 848 | 267 | 2,968 |
| Toys | 78 | 2 | 1,656 | 41,278 | 306 | 26 | 254 |
| Total | 10,622 | 101 | 104,267 | 2,143,306 | 20,597 | 3,321 | 29,073 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 14 | 0 | 689 | 19,880 | 93 | 10 | 33 |
| Bleach/Cleaner Bottles | 132 | 0 | 1,180 | 7,152 | 162 | 67 | 190 |
| Buoys/Floats | 16 | 0 | 621 | 12,844 | 77 | 79 | 109 |
| Crab/Lobster/Fish Traps | 11 | 0 | 44 | 5,285 | 45 | 3 | 31 |
| Crates | 13 | 0 | 616 | 2,347 | 37 | 8 | 46 |
| Fishing Line | 13 | 4 | 9,902 | 36,910 | 206 | 53 | 186 |
| Fishing Lures/Light Sticks | 6 | 0 | 326 | 11,059 | 54 | 2 | 18 |
| Fishing Nets | 16 | 0 | 19,504 | 5,539 | 238 | 43 | 114 |
| Light Bulbs/Tubes | 23 | 0 | 162 | 4,589 | 80 | 3 | 22 |
| Oil/Lube Bottles | 49 | 0 | 456 | 7,478 | 194 | 42 | 121 |
| Pallets | 1 | 0 | 108 | 1,637 | 56 | 5 | 83 |
| Plastic Sheeting/Tarps | 38 | 0 | 8 | 25,889 | 261 | 72 | 248 |
| Rope | 27 | 0 | 22,507 | 44,409 | 863 | 382 | 365 |
| Strapping Bands | 11 | 0 | 2,691 | 15,737 | 88 | 56 | 42 |
| Total | 370 | 4 | 58,814 | 200,755 | 2,454 | 825 | 1,608 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 26,455 | 700 | 11,485 | 1,362,741 | 627 | 1,575 | 2,196 |
| Cigarette Lighters | 172 | 5 | 1,444 | 18,555 | 210 | 41 | 227 |
| Cigar Tips | 8 | 0 | 9 | 74,399 | 281 | 59 | 433 |
| Tobacco Packaging/Wrappers | 357 | 6 | 1,282 | 36,397 | 125 | 22 | 371 |
| Total | 26,992 | 711 | 14,220 | 1,492,092 | 1,243 | 1,697 | 3,227 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 14 | 0 | 1,088 | 1,523 | 37 | 0 | 59 |
| Batteries | 98 | 0 | 8 | 5,715 | 45 | 1 | 33 |
| Building Materials | 112 | 0 | 2,713 | 58,448 | 306 | 28 | 339 |
| Cars/Car Parts | 54 | 0 | 280 | 8,258 | 196 | 6 | 246 |
| 55-Gallon Drums | 2 | 0 | 52 | 499 | 9 | 0 | 2 |
| Tires | 48 | 0 | 322 | 8,243 | 216 | 45 | 62 |
| Total | 328 | 0 | 4,463 | 82,686 | 809 | 80 | 741 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 10 | 0 | 240 | 7,136 | 174 | 18 | 328 |
| Diapers | 20 | 0 | 184 | 4,965 | 145 | 1 | 127 |
| Syringes | 12 | 0 | 241 | 2,387 | 14 | 0 | 8 |
| Tampons/Tampon Applicators | 11 | 0 | 3,079 | 12,528 | 8 | 3 | 42 |
| Total | 53 | 0 | 3,744 | 27,016 | 341 | 22 | 505 |
| MARINE DEBRIS ITEM TOTALS | 38,365 | 816 | 185,508 | 3,945,855 | 25,444 | 5,945 | 35,154 |



| US VIRGIN ISLANDS | VANUATU | VENEZUELA | VIETNAM | COUNTRY AND LOCATION TOTALS |
|-------------------|------------|---------------|--------------|-----------------------------|
| TOTAL | | | | |
| 2,632 | 15 | 2,500 | 0 | 530,607 |
| 6,141 | 5 | 702 | 400 | 1,377,141 |
| 379 | 0 | 18 | 0 | 77,721 |
| 6,346 | 0 | 3,715 | 5 | 714,892 |
| 6,027 | 15 | 4,475 | 0 | 434,990 |
| 4,386 | 5 | 731 | 10 | 401,412 |
| 8,930 | 0 | 6,746 | 0 | 937,804 |
| 1,788 | 0 | 187 | 20 | 198,807 |
| 5,139 | 0 | 1,273 | 0 | 441,053 |
| 5,306 | 0 | 1,121 | 500 | 942,620 |
| 651 | 0 | 481 | 0 | 266,986 |
| 181 | 0 | 115 | 0 | 35,461 |
| 416 | 0 | 12 | 0 | 31,974 |
| 4,083 | 0 | 1,237 | 35 | 509,593 |
| 586 | 0 | 65 | 0 | 88,211 |
| 52,991 | 40 | 23,378 | 970 | 6,989,272 |
| 136 | 0 | 414 | 0 | 38,579 |
| 419 | 400 | 64 | 0 | 40,684 |
| 265 | 0 | 28 | 0 | 47,808 |
| 79 | 0 | 0 | 0 | 13,712 |
| 91 | 0 | 23 | 0 | 8,351 |
| 445 | 100 | 46 | 30 | 72,941 |
| 74 | 0 | 3 | 0 | 21,797 |
| 395 | 0 | 5 | 0 | 39,576 |
| 105 | 0 | 4 | 15 | 13,125 |
| 357 | 0 | 99 | 0 | 27,214 |
| 144 | 0 | 27 | 0 | 9,096 |
| 581 | 0 | 19 | 0 | 71,406 |
| 1,610 | 0 | 28 | 500 | 157,066 |
| 186 | 0 | 2 | 0 | 37,361 |
| 4,887 | 500 | 762 | 545 | 598,716 |
| 4,398 | 0 | 780 | 0 | 3,216,991 |
| 478 | 0 | 107 | 10 | 56,491 |
| 773 | 0 | 0 | 0 | 143,790 |
| 518 | 0 | 222 | 20 | 118,629 |
| 6,167 | 0 | 1,109 | 30 | 3,535,901 |
| 96 | 0 | 3 | 0 | 8,408 |
| 79 | 0 | 16 | 0 | 27,099 |
| 673 | 0 | 42 | 0 | 115,549 |
| 448 | 0 | 12 | 0 | 27,373 |
| 11 | 0 | 1 | 0 | 2,144 |
| 323 | 0 | 8 | 0 | 26,585 |
| 1,630 | 0 | 82 | 0 | 207,158 |
| 520 | 0 | 2 | 0 | 27,862 |
| 273 | 25 | 220 | 0 | 43,389 |
| 22 | 0 | 15 | 0 | 10,817 |
| 53 | 0 | 37 | 0 | 25,971 |
| 868 | 25 | 274 | 0 | 108,039 |
| 66,543 | 565 | 25,605 | 1,545 | 11,439,086 |



| COUNTRY AND LOCATION | ISLAND | LAND | | | UNDERWATER | | | TOTAL | | |
|------------------------|---------------|--------|-----------|---------|------------|----------|-------|--------|-----------|---------|
| | | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES |
| Argentina | | 1,243 | 11,968.9 | 7.0 | - | - | - | 1,243 | 11,968.9 | 7.0 |
| Aruba | | 112 | 1,432.3 | 1.6 | 32 | 224.5 | 0.3 | 144 | 1,656.8 | 1.9 |
| Australia | | 426 | 6,920.3 | 23.8 | 310 | 4,762.0 | 8.4 | 736 | 11,682.3 | 32.2 |
| Austria | | 3 | 2.2 | 2.4 | 40 | 1,060.4 | 4.1 | 43 | 1,062.6 | 6.5 |
| Bahamas | Abaco | 519 | 6,450.0 | 28.5 | 3 | 20.0 | 0.3 | 522 | 6,470.0 | 28.8 |
| | Nassau | 859 | 38,900.0 | 6.3 | 150 | 9,000.0 | 2.0 | 1,009 | 47,900.0 | 8.3 |
| | Total | 1,378 | 45,350.0 | 34.8 | 153 | 9,020.0 | 2.3 | 1,531 | 54,370.0 | 37.1 |
| Bahrain | | 11 | 13.2 | 0.9 | 21 | 94.8 | 0.4 | 32 | 108.0 | 1.3 |
| Bangladesh | | 391 | 1,049.8 | 72.6 | - | - | - | 391 | 1,049.8 | 72.6 |
| Barbados | | 60 | 3,991.5 | 1.8 | 16 | 230.0 | 0.1 | 76 | 4,221.5 | 1.9 |
| Belgium | | 33 | 152.1 | 11.6 | 139 | 4,105.0 | 6.7 | 172 | 4,257.1 | 18.3 |
| Belize | | 992 | 28,699.0 | 26.6 | - | - | - | 992 | 28,699.0 | 26.6 |
| Bermuda | | 194 | 1,998.0 | 4.0 | 6 | 200.0 | 0.1 | 200 | 2,198.0 | 4.1 |
| Brazil | | 11,534 | 122,601.3 | 2,937.6 | 197 | 1,175.1 | 1.2 | 11,731 | 123,776.4 | 2,938.8 |
| British Virgin Islands | Cooper Island | 7 | 20.0 | - | 16 | 30.0 | - | 23 | 50.0 | - |
| | Tortola | 223 | 5,706.0 | 5.6 | - | - | - | 223 | 5,706.0 | 5.6 |
| | Virgin Gorda | 22 | 1,000.0 | 1.0 | - | - | - | 22 | 1,000.0 | 1.0 |
| | Total | 252 | 6,726.0 | 6.6 | 16 | 30.0 | - | 268 | 6,756.0 | 6.6 |
| Canada | | 33,919 | 306,648.9 | 1,734.5 | 401 | 8,776.7 | 6.0 | 34,320 | 315,425.6 | 1,740.5 |
| Cayman Islands | Grand Cayman | 6 | 500.0 | 0.1 | 22 | 200.0 | 0.1 | 28 | 700.0 | 0.2 |
| Chile | | 3,279 | 138,655.7 | 68.3 | 17 | 628.3 | 0.6 | 3,296 | 139,284.0 | 68.9 |
| China | | 1,134 | 2,775.8 | 1.7 | 29 | 50.7 | 0.1 | 1,163 | 2,826.5 | 1.8 |
| Colombia | | 362 | 2,848.4 | 1.9 | 62 | 1,378.1 | 37.9 | 424 | 4,226.5 | 39.8 |
| Cook Islands | | 60 | 1,102.3 | 0.9 | 21 | 440.9 | 0.3 | 81 | 1,543.2 | 1.2 |
| Costa Rica | | 426 | 5,608.4 | 6.6 | 4 | 44.1 | 0.3 | 430 | 5,652.5 | 6.9 |
| Croatia | | 56 | 2,050.3 | 2.8 | - | - | - | 56 | 2,050.3 | 2.8 |
| Cyprus | | 380 | 4,362.8 | 4.7 | 130 | 1,744.3 | 5.8 | 510 | 6,107.1 | 10.5 |
| Denmark | | - | - | 0 | 19 | 152.1 | 1.8 | 19 | 152.1 | 1.8 |
| Dominica | | 561 | 18,933.0 | 23.8 | - | - | - | 561 | 18,933.0 | 23.8 |
| Dominican Republic | | 2,220 | 56,845.7 | 16.6 | 54 | 3,527.4 | 0.5 | 2,274 | 60,373.1 | 17.1 |
| East Timor | | 38 | 440.9 | 0.2 | 15 | 55.1 | 0.2 | 53 | 496.0 | 0.4 |
| Ecuador | | 8,313 | 52,806.2 | 83.3 | 66 | 3,222.3 | 0.8 | 8,379 | 56,028.5 | 84.1 |
| Egypt | | 433 | 4,280.7 | 12.8 | 388 | 3,319.5 | 7.8 | 821 | 7,600.2 | 20.6 |
| Estonia | | 55 | 3,720.5 | 2.6 | 50 | 3,704.6 | 0.6 | 105 | 7,425.1 | 3.2 |
| Fiji | | 145 | 5,426.2 | 4.3 | 17 | 176.4 | 2.6 | 162 | 5,602.6 | 6.9 |
| Finland | | 104 | 1,609.4 | 0.9 | 50 | 1,388.9 | 0.8 | 154 | 2,998.3 | 1.7 |
| France | | 49 | 557.8 | 4.0 | 61 | 1,907.0 | 1.6 | 110 | 2,464.8 | 5.6 |
| French Polynesia | | 20 | 440.9 | 2.5 | 12 | 661.4 | 0.6 | 32 | 1,102.3 | 3.1 |
| Germany | | 291 | 4,290.2 | 51.7 | 377 | 18,466.3 | 39.7 | 668 | 22,756.5 | 91.4 |
| Ghana | | 200 | 200.0 | 0.5 | - | - | - | 200 | 200.0 | 0.5 |
| Greece | | 2,155 | 28,761.9 | 33.7 | 165 | 6,541.9 | 4.1 | 2,320 | 35,303.8 | 37.8 |
| Grenada | | 45 | 790.0 | 15.9 | 14 | 179.4 | 1.0 | 59 | 969.4 | 16.9 |
| Guam | | 3,366 | 32,171.0 | 2.1 | 85 | 340.0 | 0.3 | 3,451 | 32,511.0 | 2.4 |
| Guatemala | | 146 | 1,716.0 | 0.4 | 40 | 1,716.0 | 0.4 | 186 | 3,432.0 | 0.8 |
| Guyana | | 104 | 1,485.0 | 2.0 | - | - | - | 104 | 1,485.0 | 2.0 |
| Honduras | | 41 | 1,525.0 | 0.7 | 10 | 200.0 | 0.2 | 51 | 1,725.0 | 0.9 |
| Hong Kong | | 2,892 | 28,735.3 | 34.5 | 7 | 44.1 | 1.9 | 2,899 | 28,779.4 | 36.4 |
| Hungary | | 45 | 1,763.7 | 0.2 | 20 | 220.5 | 0.1 | 65 | 1,984.2 | 0.3 |
| India | | 6,132 | 21,953.4 | 247.6 | 15 | 41.9 | 0.6 | 6,147 | 21,995.3 | 248.2 |
| Indonesia | | 287 | 2,410.5 | 4.3 | 78 | 200.6 | 2.4 | 365 | 2,611.1 | 6.7 |
| Iran | | 115 | 1,132.6 | 4.4 | 45 | 1,224.8 | 3.4 | 160 | 2,357.4 | 7.8 |
| Ireland | | 96 | 639.3 | 0.6 | - | - | - | 96 | 639.3 | 0.6 |
| Israel | | 1,627 | 47,178.9 | 15.1 | 54 | 1,278.7 | 2.4 | 1,681 | 48,457.6 | 17.5 |
| Italy | | 543 | 8,115.2 | 18.3 | 365 | 5,584.3 | 11.1 | 908 | 13,699.5 | 29.4 |
| Jamaica | | 1,787 | 23,207.1 | 23.3 | 25 | 1,379.2 | 0.7 | 1,812 | 24,586.3 | 24.0 |
| Japan | | 13,516 | 68,387.5 | 44.5 | 371 | 17,727.5 | 5.8 | 13,887 | 86,115.0 | 50.3 |
| Jordan | | 6 | 44.1 | 0.1 | 25 | 465.0 | 0.1 | 31 | 509.1 | 0.2 |
| Kenya | | 5,959 | 30,911.0 | 219.3 | - | - | - | 5,959 | 30,911.0 | 219.3 |
| Kuwait | | 22 | 39.7 | 0.1 | 12 | 15.4 | - | 34 | 55.1 | 0.1 |
| Malaysia | | 1,278 | 23,922.5 | 10.0 | 261 | 895.1 | 3.7 | 1,539 | 24,817.6 | 13.7 |

| | | LAND | | | UNDERWATER | | | TOTAL | | |
|---|---------------|----------------|--------------------|-----------------|---------------|------------------|--------------|----------------|--------------------|-----------------|
| COUNTRY AND LOCATION | ISLAND | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES |
| Maldives | | 142 | 1,388.9 | 10.8 | 247 | 4,455.5 | 10.7 | 389 | 5,844.4 | 21.5 |
| Malta | | 57 | 630.1 | 1.8 | 96 | 3,046.3 | 1.9 | 153 | 3,676.4 | 3.7 |
| Marshall Islands | | 21 | 80.0 | - | 18 | 20.0 | - | 39 | 100.0 | - |
| Mauritius | | 12 | 308.7 | 0.6 | 12 | 308.7 | 0.6 | 24 | 617.4 | 1.2 |
| Mexico | | 9,235 | 138,765.7 | 87.4 | 308 | 3,648.1 | 12.1 | 9,543 | 142,413.8 | 99.5 |
| Mozambique | | 95 | 1,027.4 | 4.4 | 7 | 11.0 | 0.3 | 102 | 1,038.4 | 4.7 |
| Netherlands Antilles | Bonaire | 62 | 1,680.0 | 1.1 | 39 | 150.0 | 0.2 | 101 | 1,830.0 | 1.3 |
| | Curacao | 21 | 68.3 | 0.4 | 101 | 2,700.7 | 0.8 | 122 | 2,769.0 | 1.2 |
| | St. Eustatius | 20 | 455.5 | 0.9 | - | - | - | 20 | 455.5 | 0.9 |
| | St. Maarten | 826 | 3,351.1 | 0.3 | - | - | - | 826 | 3,351.1 | 0.3 |
| | Total | 929 | 5,555.0 | 2.7 | 140 | 2,850.7 | 1.0 | 1,069 | 8,405.7 | 3.7 |
| Netherlands | | 43 | 1,479.3 | 11.6 | 170 | 2,918.9 | 11.0 | 213 | 4,398.2 | 22.6 |
| New Zealand | | 138 | 888.5 | 5.5 | 109 | 1,728.4 | 2.2 | 247 | 2,616.9 | 7.7 |
| Nicaragua | | 1,287 | 16,961.0 | 25.3 | - | - | - | 1,287 | 16,961.0 | 25.3 |
| Nigeria | | 429 | 64,416.9 | 51.6 | - | - | - | 429 | 64,416.9 | 51.6 |
| Northern Mariana Islands | | 312 | 559.0 | 0.5 | - | - | - | 312 | 559.0 | 0.5 |
| Oman | | 86 | 1,455.1 | 7.9 | 47 | 1,422.0 | 5.4 | 133 | 2,877.1 | 13.3 |
| Palau | | 85 | 2,000.0 | 3.0 | - | - | - | 85 | 2,000.0 | 3.0 |
| Paraguay | | 60 | 4,257.1 | 0.1 | - | - | - | 60 | 4,257.1 | 0.1 |
| Philippines | | 37,238 | 616,050.8 | 311.3 | 490 | 5,891.6 | 6.6 | 37,728 | 621,942.4 | 317.9 |
| Poland | | 336 | 11,367.0 | 9.0 | 141 | 4,541.5 | 622.6 | 477 | 15,908.5 | 631.6 |
| Portugal | | 45 | 2,491.2 | 4.0 | 108 | 3,507.6 | 3.4 | 153 | 5,998.8 | 7.4 |
| Puerto Rico | | 8,521 | 197,330.5 | 170.7 | 116 | 3,405.0 | 4.9 | 8,637 | 200,735.5 | 175.6 |
| Qatar | | 560 | 3,086.5 | 0.6 | 80 | 176.4 | 0.1 | 640 | 3,262.9 | 0.7 |
| Republic of Korea | | 5,954 | 527,200.2 | 27.3 | 135 | 6,721.9 | 0.2 | 6,089 | 533,922.1 | 27.5 |
| Russia | | 192 | 96.9 | 0.2 | - | - | - | 192 | 96.9 | 0.2 |
| Saudi Arabia | | 40 | 1,212.5 | 1.1 | 50 | 1,000.0 | 0.5 | 90 | 2,212.5 | 1.6 |
| Seychelles | | 40 | 297.6 | 0.1 | - | - | - | 40 | 297.6 | 0.1 |
| Singapore | | 2,448 | 21,119.0 | 10.4 | - | - | - | 2,448 | 21,119.0 | 10.4 |
| Slovakia | | 5 | 66.1 | 0.1 | 12 | 44.1 | 0.1 | 17 | 110.2 | 0.2 |
| Slovenia | | 14 | 110.2 | 0.2 | 44 | 1,190.5 | 0.3 | 58 | 1,300.7 | 0.5 |
| Solomon Islands | | 23 | 275.6 | 1.7 | - | - | - | 23 | 275.6 | 1.7 |
| South Africa | | 6,772 | 20,771.5 | 55.4 | 231 | 1,550.7 | 1.3 | 7,003 | 22,322.2 | 56.7 |
| Spain | | 341 | 4,014.6 | 32.3 | 276 | 4,929.0 | 16.3 | 617 | 8,943.6 | 48.6 |
| Sri Lanka | | 632 | 6,787.4 | - | - | - | - | 632 | 6,787.4 | - |
| St. Kitts and Nevis | Nevis | 135 | 2,809.3 | 9.2 | 17 | 52.1 | 0.8 | 152 | 2,861.4 | 10.0 |
| St. Vincent and the Grenadines | Grenadines | 289 | 4,636.5 | 9.6 | - | - | - | 289 | 4,636.5 | 9.6 |
| Sweden | | 29 | 125.7 | 2.5 | 30 | 782.6 | 0.4 | 59 | 908.3 | 2.9 |
| Switzerland | | 76 | 1,142.0 | 11.1 | 227 | 8,430.5 | 10.3 | 303 | 9,572.5 | 21.4 |
| Taiwan | | 60 | 66.1 | 0.3 | 60 | 485.0 | 0.3 | 120 | 551.1 | 0.6 |
| Tanzania | | 99 | 1,446.2 | 0.9 | - | - | - | 99 | 1,446.2 | 0.9 |
| Thailand | | 2,406 | 21,845.6 | 18.6 | 716 | 9,122.7 | 6.6 | 3,122 | 30,968.3 | 25.2 |
| Trinidad and Tobago | Trinidad | 1,186 | 12,850.5 | 9.7 | - | - | - | 1,186 | 12,850.5 | 9.7 |
| | Tobago | 282 | 3,994.4 | 7.6 | 38 | 92.7 | 2.6 | 320 | 4,087.1 | 10.2 |
| | Total | 1,468 | 16,844.9 | 17.3 | 38 | 92.7 | 2.6 | 1,506 | 16,937.6 | 19.9 |
| Turkey | | 1,710 | 8,096.1 | 20.6 | 42 | 3,886.1 | 1.0 | 1,752 | 11,982.2 | 21.6 |
| Ukraine | | 7 | 123.5 | 0.1 | 10 | 94.8 | 0.1 | 17 | 218.3 | 0.2 |
| United Arab Emirates | | 87 | - | 1.8 | 60 | - | 8.0 | 147 | - | 9.8 |
| United Kingdom | | 5,684 | 44,413.7 | 114.3 | 146 | 765.9 | 1.2 | 5,830 | 45,179.6 | 115.5 |
| United States | | 181,240 | 3,628,924.6 | 9,044.3 | 1,954 | 32,530.8 | 70.5 | 183,194 | 3,661,455.4 | 9,114.8 |
| United States Virgin Islands | St. Croix | 526 | 1,803.7 | 11.2 | 19 | 230.0 | 1.7 | 545 | 2,033.7 | 12.9 |
| | St. John | 143 | 4,292.0 | 10.1 | - | - | - | 143 | 4,292.0 | 10.1 |
| | St. Thomas | 706 | 12,272.0 | 19.9 | - | - | - | 706 | 12,272.0 | 19.9 |
| | Total | 1,375 | 18,367.7 | 41.2 | 19 | 230.0 | 1.7 | 1,394 | 18,597.7 | 42.9 |
| Uruguay | | - | - | - | 31 | 13.2 | - | 31 | 13.2 | - |
| Vanuatu | | 300 | 1,763.7 | - | 26 | 440.9 | 0.2 | 326 | 2,204.6 | 0.2 |
| Venezuela | | 355 | 11,561.0 | 5.6 | 76 | 432.1 | 0.5 | 431 | 11,993.1 | 6.1 |
| Vietnam | | 21 | 250.0 | - | - | - | - | 21 | 250.0 | - |
| COUNTRY AND LOCATION TOTALS | | 380,275 | 6,584,365.3 | 15,968.1 | 10,606 | 219,527.6 | 975.6 | 390,881 | 6,803,892.9 | 16,943.7 |
| TOTAL NUMBER OF COUNTRIES AND LOCATIONS: 104 | | | | | | | | | | |

| COUNTRY AND LOCATION | ALABAMA | ALASKA | ARIZONA | ARKANSAS | CALIFORNIA | COLORADO | CONNECTICUT |
|--|---------------|------------|---------------|------------|----------------|------------|---------------|
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 2,968 | 0 | 338 | 3 | 24,194 | 7 | 1,124 |
| Bags (Plastic) | 5,987 | 7 | 717 | 46 | 52,544 | 69 | 5,187 |
| Balloons | 654 | 0 | 22 | 2 | 8,987 | 8 | 902 |
| Beverage Bottles (Plastic) | 9,343 | 0 | 1,272 | 15 | 24,282 | 34 | 5,598 |
| Beverage Bottles (Glass) | 6,990 | 32 | 1,088 | 23 | 31,774 | 39 | 3,161 |
| Beverage Cans | 8,359 | 32 | 1,509 | 148 | 23,090 | 18 | 3,413 |
| Caps, Lids | 8,000 | 0 | 1,116 | 20 | 83,069 | 53 | 7,869 |
| Clothing, Shoes | 1,413 | 9 | 187 | 13 | 12,185 | 22 | 1,082 |
| Cups, Plates, Forks, Knives, Spoons | 4,745 | 0 | 468 | 153 | 34,354 | 55 | 4,451 |
| Food Wrappers/Containers | 6,420 | 15 | 749 | 24 | 114,758 | 89 | 16,488 |
| Pull Tabs | 1,037 | 0 | 943 | 2 | 10,448 | 4 | 899 |
| 6-Pack Holders | 750 | 0 | 31 | 2 | 1,780 | 2 | 123 |
| Shotgun Shells/Wadding | 437 | 0 | 23 | 0 | 5,590 | 17 | 287 |
| Straws, Stirrers | 2,162 | 0 | 330 | 2 | 33,170 | 17 | 3,316 |
| Toys | 1,384 | 14 | 50 | 14 | 10,558 | 4 | 1,091 |
| Total | 60,649 | 109 | 8,843 | 467 | 470,783 | 438 | 54,991 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 519 | 0 | 45 | 1 | 2,961 | 6 | 560 |
| Bleach/Cleaner Bottles | 422 | 0 | 31 | 0 | 811 | 2 | 69 |
| Buoys/Floats | 543 | 2 | 9 | 0 | 1,583 | 4 | 574 |
| Crab/Lobster/Fish Traps | 128 | 2 | 0 | 0 | 358 | 0 | 38 |
| Crates | 113 | 1 | 9 | 0 | 532 | 3 | 42 |
| Fishing Line | 947 | 0 | 167 | 85 | 6,466 | 9 | 893 |
| Fishing Lures/Light Sticks | 433 | 3 | 117 | 13 | 1,385 | 0 | 180 |
| Fishing Nets | 188 | 3 | 14 | 0 | 739 | 0 | 71 |
| Light Bulbs/Tubes | 282 | 0 | 8 | 0 | 1,037 | 0 | 72 |
| Oil/Lube Bottles | 511 | 6 | 21 | 0 | 866 | 0 | 65 |
| Pallets | 51 | 0 | 1 | 0 | 428 | 0 | 12 |
| Plastic Sheeting/Tarps | 894 | 0 | 15 | 1 | 5,715 | 5 | 395 |
| Rope | 1,484 | 8 | 38 | 3 | 5,968 | 7 | 450 |
| Strapping Bands | 506 | 0 | 22 | 2 | 3,838 | 2 | 189 |
| Total | 7,021 | 25 | 497 | 105 | 32,687 | 38 | 3,610 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 17,938 | 20 | 2,179 | 117 | 340,221 | 43 | 26,948 |
| Cigarette Lighters | 597 | 3 | 23 | 0 | 4,709 | 5 | 473 |
| Cigar Tips | 838 | 0 | 74 | 0 | 16,574 | 24 | 1,287 |
| Tobacco Packaging/Wrappers | 1,205 | 5 | 147 | 9 | 9,025 | 21 | 792 |
| Total | 20,578 | 28 | 2,423 | 126 | 370,529 | 93 | 29,500 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 68 | 0 | 0 | 0 | 313 | 0 | 12 |
| Batteries | 269 | 6 | 38 | 1 | 1,517 | 2 | 66 |
| Building Materials | 4,106 | 3 | 40 | 1 | 20,513 | 3 | 996 |
| Cars/Car Parts | 333 | 1 | 158 | 0 | 1,824 | 0 | 145 |
| 55-Gallon Drums | 23 | 0 | 0 | 0 | 44 | 1 | 2 |
| Tires | 292 | 3 | 10 | 8 | 1,402 | 2 | 59 |
| Total | 5,091 | 13 | 246 | 10 | 25,613 | 8 | 1,280 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 213 | 0 | 3 | 1 | 2,032 | 1 | 332 |
| Diapers | 171 | 0 | 155 | 1 | 893 | 0 | 95 |
| Syringes | 49 | 0 | 4 | 0 | 706 | 0 | 70 |
| Tampons/Tampon Applicators | 114 | 0 | 21 | 3 | 1,132 | 2 | 226 |
| Total | 547 | 0 | 183 | 5 | 4,763 | 3 | 723 |
| MARINE DEBRIS ITEM TOTALS | 93,886 | 175 | 12,192 | 713 | 904,375 | 580 | 90,104 |

| DELAWARE | DISTRICT OF COLUMBIA | FLORIDA | GEORGIA | HAWAII | IDAHO | ILLINOIS | INDIANA | KANSAS |
|---------------|----------------------|----------------|--------------|----------------|--------------|----------------|---------------|--------------|
| 982 | 344 | 11,336 | 2 | 2,474 | 36 | 3,237 | 821 | 448 |
| 4,131 | 2,228 | 42,376 | 52 | 7,782 | 104 | 4,884 | 540 | 738 |
| 1,059 | 66 | 4,404 | 1 | 864 | 1 | 1,801 | 1,132 | 26 |
| 4,435 | 2,957 | 46,263 | 380 | 1,832 | 155 | 3,393 | 1,028 | 356 |
| 2,627 | 1,292 | 37,360 | 196 | 4,203 | 101 | 5,735 | 1,193 | 51 |
| 2,588 | 896 | 33,212 | 418 | 2,165 | 183 | 4,421 | 875 | 235 |
| 10,220 | 2,042 | 82,314 | 73 | 15,919 | 135 | 14,086 | 4,042 | 117 |
| 567 | 173 | 8,110 | 8 | 1,584 | 56 | 1,146 | 335 | 37 |
| 2,705 | 1,594 | 31,033 | 52 | 3,820 | 21 | 4,945 | 1,278 | 130 |
| 5,434 | 3,459 | 49,403 | 149 | 11,376 | 223 | 13,160 | 2,196 | 403 |
| 583 | 227 | 7,340 | 1 | 1,847 | 7 | 1,089 | 227 | 25 |
| 148 | 63 | 2,752 | 2 | 214 | 1 | 232 | 55 | 7 |
| 713 | 2 | 1,181 | 2 | 194 | 5 | 137 | 118 | 0 |
| 2,608 | 745 | 35,207 | 0 | 2,337 | 37 | 5,550 | 2,416 | 84 |
| 1,297 | 226 | 6,078 | 442 | 827 | 53 | 1,285 | 322 | 30 |
| 40,097 | 16,314 | 398,369 | 1,778 | 57,438 | 1,118 | 65,101 | 16,578 | 2,687 |
| 1,260 | 276 | 3,534 | 41 | 422 | 30 | 124 | 202 | 0 |
| 102 | 60 | 1,310 | 3 | 211 | 0 | 48 | 27 | 2 |
| 295 | 38 | 2,457 | 1 | 450 | 4 | 34 | 21 | 1 |
| 41 | 3 | 577 | 0 | 1,636 | 0 | 23 | 3 | 0 |
| 66 | 4 | 397 | 0 | 106 | 1 | 31 | 3 | 0 |
| 710 | 316 | 6,745 | 0 | 3,167 | 32 | 139 | 23 | 0 |
| 603 | 100 | 2,513 | 0 | 322 | 4 | 137 | 40 | 0 |
| 76 | 15 | 1,145 | 0 | 615 | 1 | 63 | 7 | 1 |
| 50 | 9 | 1,382 | 0 | 167 | 6 | 42 | 7 | 0 |
| 150 | 92 | 1,480 | 0 | 93 | 2 | 63 | 39 | 8 |
| 26 | 2 | 251 | 0 | 27 | 0 | 22 | 0 | 0 |
| 273 | 157 | 6,405 | 0 | 416 | 14 | 1,131 | 33 | 26 |
| 639 | 30 | 8,661 | 0 | 4,278 | 9 | 311 | 151 | 6 |
| 262 | 19 | 3,213 | 0 | 524 | 3 | 291 | 63 | 17 |
| 4,553 | 1,121 | 40,070 | 45 | 12,434 | 106 | 2,459 | 619 | 61 |
| 23,178 | 175,499 | 197,389 | 15 | 68,115 | 678 | 49,987 | 13,191 | 206 |
| 406 | 108 | 3,675 | 8 | 736 | 3 | 402 | 163 | 5 |
| 1,219 | 597 | 16,561 | 0 | 1,105 | 0 | 3,738 | 1,600 | 10 |
| 511 | 256 | 6,152 | 57 | 1,292 | 30 | 768 | 215 | 33 |
| 25,314 | 176,460 | 223,777 | 80 | 71,248 | 711 | 54,895 | 15,169 | 254 |
| 7 | 2 | 251 | 0 | 21 | 0 | 20 | 6 | 0 |
| 24 | 20 | 972 | 0 | 512 | 2 | 178 | 77 | 0 |
| 962 | 75 | 7,688 | 10 | 775 | 35 | 711 | 106 | 163 |
| 143 | 31 | 1,187 | 0 | 282 | 13 | 173 | 22 | 12 |
| 9 | 0 | 54 | 1 | 6 | 0 | 5 | 1 | 4 |
| 145 | 8 | 887 | 0 | 126 | 2 | 73 | 27 | 0 |
| 1,290 | 136 | 11,039 | 11 | 1,722 | 52 | 1,160 | 239 | 179 |
| 116 | 63 | 1,348 | 0 | 211 | 1 | 208 | 60 | 4 |
| 60 | 36 | 780 | 0 | 192 | 17 | 95 | 34 | 4 |
| 56 | 23 | 499 | 0 | 37 | 0 | 20 | 13 | 0 |
| 299 | 83 | 934 | 1 | 86 | 1 | 240 | 292 | 1 |
| 531 | 205 | 3,561 | 1 | 526 | 19 | 563 | 399 | 9 |
| 71,785 | 194,236 | 676,816 | 1,915 | 143,368 | 2,006 | 124,178 | 33,004 | 3,190 |





| COUNTRY AND LOCATION | LOUISIANA | MAINE | MARYLAND | MASSACHUSETTS | MICHIGAN | MINNESOTA | MISSISSIPPI |
|--|---------------|---------------|---------------|----------------|----------------|---------------|---------------|
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 1,577 | 800 | 903 | 1,425 | 1,995 | 702 | 2,175 |
| Bags (Plastic) | 2,308 | 2,023 | 1,568 | 9,391 | 5,601 | 1,373 | 6,174 |
| Balloons | 171 | 313 | 833 | 1,990 | 3,010 | 180 | 464 |
| Beverage Bottles (Plastic) | 4,100 | 1,350 | 4,538 | 5,588 | 1,985 | 596 | 5,605 |
| Beverage Bottles (Glass) | 2,214 | 1,047 | 1,181 | 2,946 | 1,434 | 567 | 5,164 |
| Beverage Cans | 2,121 | 702 | 1,939 | 3,969 | 1,298 | 841 | 4,752 |
| Caps, Lids | 4,279 | 1,602 | 3,344 | 11,194 | 10,389 | 838 | 4,717 |
| Clothing, Shoes | 758 | 318 | 388 | 1,186 | 868 | 334 | 1,288 |
| Cups, Plates, Forks, Knives, Spoons | 2,501 | 1,128 | 1,504 | 4,594 | 3,754 | 638 | 2,815 |
| Food Wrappers/Containers | 3,396 | 3,482 | 2,659 | 13,292 | 14,087 | 3,698 | 5,412 |
| Pull Tabs | 673 | 208 | 255 | 599 | 769 | 94 | 495 |
| 6-Pack Holders | 239 | 40 | 54 | 133 | 155 | 23 | 338 |
| Shotgun Shells/Wadding | 127 | 326 | 427 | 619 | 762 | 72 | 144 |
| Straws, Stirrers | 2,022 | 525 | 1,016 | 4,720 | 5,162 | 487 | 1,452 |
| Toys | 443 | 318 | 352 | 1,605 | 1,140 | 157 | 547 |
| Total | 26,929 | 14,182 | 20,961 | 63,251 | 52,409 | 10,600 | 41,542 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 286 | 229 | 211 | 492 | 487 | 40 | 324 |
| Bleach/Cleaner Bottles | 179 | 161 | 101 | 376 | 70 | 14 | 344 |
| Buoys/Floats | 263 | 1,021 | 131 | 976 | 134 | 16 | 316 |
| Crab/Lobster/Fish Traps | 48 | 492 | 44 | 351 | 3 | 0 | 115 |
| Crates | 36 | 54 | 14 | 77 | 14 | 0 | 109 |
| Fishing Line | 261 | 157 | 467 | 1,285 | 641 | 45 | 534 |
| Fishing Lures/Light Sticks | 131 | 66 | 169 | 397 | 216 | 22 | 165 |
| Fishing Nets | 74 | 136 | 14 | 802 | 39 | 10 | 168 |
| Light Bulbs/Tubes | 154 | 20 | 41 | 53 | 52 | 6 | 202 |
| Oil/Lube Bottles | 180 | 159 | 220 | 149 | 58 | 20 | 374 |
| Pallets | 132 | 12 | 6 | 34 | 16 | 2 | 112 |
| Plastic Sheeting/Tarps | 302 | 505 | 110 | 606 | 812 | 480 | 657 |
| Rope | 466 | 2,966 | 302 | 4,388 | 565 | 41 | 826 |
| Strapping Bands | 191 | 712 | 137 | 942 | 360 | 51 | 287 |
| Total | 2,703 | 6,690 | 1,967 | 10,928 | 3,467 | 747 | 4,533 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 3,953 | 10,466 | 3,264 | 37,683 | 60,624 | 11,479 | 13,432 |
| Cigarette Lighters | 226 | 102 | 249 | 545 | 334 | 138 | 269 |
| Cigar Tips | 727 | 199 | 547 | 1,231 | 5,436 | 767 | 1,052 |
| Tobacco Packaging/Wrappers | 363 | 272 | 246 | 802 | 857 | 422 | 1,071 |
| Total | 5,269 | 11,039 | 4,306 | 40,261 | 67,251 | 12,806 | 15,824 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 27 | 5 | 5 | 6 | 9 | 5 | 73 |
| Batteries | 131 | 45 | 41 | 83 | 45 | 23 | 105 |
| Building Materials | 2,638 | 1,471 | 203 | 907 | 870 | 493 | 3,454 |
| Cars/Car Parts | 194 | 124 | 25 | 172 | 103 | 84 | 358 |
| 55-Gallon Drums | 18 | 8 | 7 | 3 | 8 | 1 | 38 |
| Tires | 49 | 72 | 62 | 65 | 32 | 25 | 235 |
| Total | 3,057 | 1,725 | 343 | 1,236 | 1,067 | 631 | 4,263 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 76 | 32 | 12 | 160 | 125 | 54 | 117 |
| Diapers | 27 | 33 | 48 | 107 | 137 | 27 | 89 |
| Syringes | 43 | 8 | 43 | 75 | 40 | 19 | 15 |
| Tampons/Tampon Applicators | 79 | 60 | 114 | 1,063 | 480 | 54 | 66 |
| Total | 225 | 133 | 217 | 1,405 | 782 | 154 | 287 |
| MARINE DEBRIS ITEM TOTALS | 38,183 | 33,769 | 27,794 | 117,081 | 124,976 | 24,938 | 66,449 |

| MISSOURI | MONTANA | NEBRASKA | NEVADA | NEW HAMPSHIRE | NEW JERSEY | NEW YORK | NORTH CAROLINA | OHIO |
|--------------|--------------|---------------|--------------|---------------|----------------|----------------|----------------|---------------|
| 50 | 0 | 254 | 7 | 713 | 1,402 | 6,584 | 1,912 | 714 |
| 70 | 26 | 1,154 | 33 | 2,427 | 7,101 | 22,424 | 5,574 | 2,580 |
| 0 | 1 | 22 | 16 | 376 | 1,918 | 4,062 | 932 | 116 |
| 158 | 21 | 1,267 | 28 | 1,163 | 7,315 | 21,419 | 13,909 | 3,011 |
| 246 | 82 | 1,391 | 31 | 1,709 | 3,150 | 15,402 | 10,385 | 1,947 |
| 346 | 310 | 2,122 | 34 | 1,836 | 3,233 | 13,944 | 11,408 | 3,073 |
| 11 | 40 | 1,166 | 121 | 2,901 | 25,486 | 33,551 | 9,439 | 1,908 |
| 16 | 20 | 166 | 27 | 496 | 1,156 | 4,681 | 1,579 | 386 |
| 12 | 28 | 727 | 44 | 1,773 | 8,676 | 18,074 | 7,711 | 2,083 |
| 8 | 85 | 1,667 | 240 | 4,907 | 14,170 | 30,957 | 17,451 | 4,814 |
| 1 | 10 | 155 | 54 | 377 | 628 | 2,596 | 1,242 | 224 |
| 0 | 0 | 35 | 1 | 38 | 310 | 1,270 | 617 | 42 |
| 0 | 0 | 568 | 0 | 191 | 418 | 2,189 | 566 | 325 |
| 11 | 6 | 179 | 41 | 1,524 | 10,263 | 18,740 | 3,126 | 900 |
| 9 | 12 | 68 | 13 | 450 | 2,044 | 3,631 | 1,669 | 270 |
| 938 | 641 | 10,941 | 690 | 20,881 | 87,270 | 199,524 | 87,520 | 22,393 |
| 9 | 2 | 627 | 2 | 122 | 360 | 1,515 | 2,286 | 39 |
| 1 | 0 | 3 | 1 | 36 | 189 | 518 | 189 | 38 |
| 0 | 2 | 49 | 6 | 267 | 334 | 1,096 | 306 | 55 |
| 0 | 0 | 0 | 0 | 434 | 38 | 383 | 70 | 1 |
| 0 | 0 | 1 | 0 | 42 | 215 | 174 | 27 | 8 |
| 6 | 505 | 824 | 0 | 363 | 1,829 | 2,870 | 1,993 | 28 |
| 3 | 32 | 103 | 0 | 54 | 746 | 940 | 444 | 38 |
| 0 | 0 | 7 | 0 | 133 | 111 | 293 | 154 | 17 |
| 0 | 0 | 7 | 1 | 27 | 95 | 253 | 103 | 25 |
| 2 | 2 | 26 | 3 | 33 | 274 | 627 | 277 | 79 |
| 0 | 0 | 0 | 0 | 19 | 52 | 82 | 60 | 28 |
| 0 | 2 | 52 | 1 | 579 | 95 | 2,488 | 888 | 116 |
| 3 | 4 | 26 | 12 | 2,629 | 755 | 2,554 | 848 | 60 |
| 3 | 2 | 13 | 15 | 539 | 474 | 838 | 251 | 57 |
| 27 | 551 | 1,738 | 41 | 5,277 | 5,567 | 14,631 | 7,896 | 589 |
| 45 | 15 | 2,192 | 637 | 58,664 | 34,871 | 60,033 | 23,256 | 2,807 |
| 0 | 0 | 51 | 4 | 95 | 679 | 1,778 | 602 | 207 |
| 0 | 0 | 222 | 53 | 576 | 4,350 | 4,738 | 1,196 | 1,074 |
| 8 | 0 | 379 | 15 | 446 | 1,021 | 2,843 | 1,615 | 546 |
| 53 | 15 | 2,844 | 709 | 59,781 | 40,921 | 69,392 | 26,669 | 4,634 |
| 1 | 0 | 0 | 3 | 12 | 9 | 110 | 253 | 26 |
| 3 | 0 | 59 | 0 | 66 | 97 | 475 | 195 | 58 |
| 3 | 2 | 100 | 2 | 320 | 672 | 3,441 | 2,504 | 377 |
| 3 | 0 | 17 | 0 | 99 | 79 | 804 | 376 | 283 |
| 0 | 10 | 5 | 0 | 0 | 11 | 43 | 41 | 4 |
| 9 | 2 | 5 | 1 | 35 | 92 | 342 | 1,574 | 147 |
| 19 | 14 | 186 | 6 | 532 | 960 | 5,215 | 4,943 | 895 |
| 0 | 0 | 9 | 0 | 45 | 240 | 683 | 133 | 133 |
| 0 | 2 | 35 | 4 | 43 | 62 | 526 | 593 | 20 |
| 1 | 0 | 0 | 0 | 10 | 124 | 268 | 19 | 12 |
| 0 | 0 | 31 | 6 | 62 | 1,966 | 2,805 | 94 | 357 |
| 1 | 2 | 75 | 10 | 160 | 2,392 | 4,282 | 839 | 522 |
| 1,038 | 1,223 | 15,784 | 1,456 | 86,631 | 137,110 | 293,044 | 127,867 | 29,033 |

| COUNTRY AND LOCATION | OKLAHOMA | OREGON | PENNSYLVANIA | RHODE ISLAND | SOUTH CAROLINA | TENNESSEE | TEXAS |
|--|------------|--------------|----------------|----------------|----------------|------------|---------------|
| SHORELINE & RECREATIONAL ACTIVITIES | | | | | | | |
| Bags (Paper) | 0 | 11 | 1,890 | 1,704 | 316 | 12 | 2,092 |
| Bags (Plastic) | 0 | 172 | 6,242 | 8,354 | 878 | 9 | 6,668 |
| Balloons | 1 | 22 | 691 | 1,629 | 44 | 0 | 620 |
| Beverage Bottles (Plastic) | 27 | 183 | 6,836 | 7,206 | 1,291 | 8 | 7,030 |
| Beverage Bottles (Glass) | 120 | 53 | 4,521 | 4,650 | 978 | 20 | 2,320 |
| Beverage Cans | 263 | 226 | 5,268 | 5,542 | 1,747 | 15 | 4,029 |
| Caps, Lids | 3 | 150 | 6,829 | 13,138 | 1,312 | 39 | 9,845 |
| Clothing, Shoes | 18 | 36 | 1,072 | 1,663 | 190 | 1 | 1,326 |
| Cups, Plates, Forks, Knives, Spoons | 6 | 67 | 3,400 | 5,428 | 1,578 | 8 | 3,993 |
| Food Wrappers/Containers | 0 | 109 | 15,207 | 14,490 | 1,244 | 28 | 3,790 |
| Pull Tabs | 1 | 26 | 574 | 787 | 176 | 17 | 1,106 |
| 6-Pack Holders | 2 | 4 | 146 | 219 | 27 | 2 | 662 |
| Shotgun Shells/Wadding | 0 | 12 | 624 | 1,344 | 55 | 0 | 699 |
| Straws, Stirrers | 1 | 59 | 3,678 | 7,103 | 340 | 17 | 2,254 |
| Toys | 3 | 151 | 821 | 1,427 | 225 | 0 | 915 |
| Total | 445 | 1,281 | 57,799 | 74,684 | 10,401 | 176 | 47,349 |
| OCEAN/WATERWAY ACTIVITIES | | | | | | | |
| Bait Containers/Packaging | 0 | 28 | 740 | 741 | 73 | 8 | 478 |
| Bleach/Cleaner Bottles | 0 | 4 | 143 | 416 | 23 | 0 | 1,086 |
| Buoys/Floats | 1 | 12 | 101 | 699 | 178 | 0 | 532 |
| Crab/Lobster/Fish Traps | 0 | 1 | 8 | 341 | 2 | 0 | 85 |
| Crates | 0 | 1 | 38 | 51 | 14 | 0 | 129 |
| Fishing Line | 2 | 51 | 524 | 2,718 | 104 | 6 | 1,122 |
| Fishing Lures/Light Sticks | 7 | 2 | 216 | 594 | 93 | 0 | 546 |
| Fishing Nets | 0 | 1 | 67 | 198 | 10 | 0 | 285 |
| Light Bulbs/Tubes | 0 | 1 | 59 | 57 | 52 | 0 | 228 |
| Oil/Lube Bottles | 0 | 2 | 130 | 169 | 58 | 2 | 696 |
| Pallets | 0 | 1 | 28 | 59 | 10 | 0 | 140 |
| Plastic Sheeting/Tarps | 0 | 3 | 944 | 561 | 148 | 0 | 605 |
| Rope | 0 | 81 | 331 | 2,489 | 74 | 0 | 2,478 |
| Strapping Bands | 0 | 13 | 199 | 875 | 233 | 0 | 313 |
| Total | 10 | 201 | 3,528 | 9,968 | 1,072 | 16 | 8,723 |
| SMOKING-RELATED ACTIVITIES | | | | | | | |
| Cigarettes/Cigarette Filters | 0 | 869 | 31,784 | 47,905 | 6,320 | 47 | 3,316 |
| Cigarette Lighters | 0 | 9 | 307 | 605 | 49 | 2 | 552 |
| Cigar Tips | 0 | 9 | 3,632 | 2,142 | 107 | 0 | 370 |
| Tobacco Packaging/Wrappers | 0 | 42 | 1,107 | 1,214 | 67 | 18 | 399 |
| Total | 0 | 929 | 36,830 | 51,866 | 6,543 | 67 | 4,637 |
| DUMPING ACTIVITIES | | | | | | | |
| Appliances (Refrigerators, Washers, etc.) | 0 | 0 | 46 | 24 | 3 | 0 | 63 |
| Batteries | 0 | 10 | 184 | 77 | 27 | 0 | 98 |
| Building Materials | 0 | 34 | 839 | 1,186 | 195 | 0 | 1,345 |
| Cars/Car Parts | 0 | 0 | 421 | 180 | 31 | 0 | 184 |
| 55-Gallon Drums | 0 | 0 | 31 | 8 | 5 | 0 | 42 |
| Tires | 0 | 6 | 946 | 90 | 94 | 0 | 129 |
| Total | 0 | 50 | 2,467 | 1,565 | 355 | 0 | 1,861 |
| MEDICAL/PERSONAL HYGIENE | | | | | | | |
| Condoms | 0 | 0 | 137 | 175 | 7 | 0 | 222 |
| Diapers | 0 | 2 | 103 | 144 | 6 | 2 | 124 |
| Syringes | 0 | 0 | 29 | 79 | 4 | 0 | 73 |
| Tampons/Tampon Applicators | 0 | 6 | 384 | 848 | 20 | 0 | 336 |
| Total | 0 | 8 | 653 | 1,246 | 37 | 2 | 755 |
| MARINE DEBRIS ITEM TOTALS | 455 | 2,469 | 101,277 | 139,329 | 18,408 | 261 | 63,325 |



| UTAH | VIRGINIA | WASHINGTON | WISCONSIN | TOTALS |
|------------|----------------|--------------|---------------|------------------|
| 0 | 2,332 | 106 | 427 | 78,417 |
| 6 | 9,273 | 239 | 698 | 229,758 |
| 0 | 590 | 2 | 249 | 38,181 |
| 32 | 13,499 | 240 | 820 | 210,568 |
| 35 | 10,571 | 276 | 544 | 168,849 |
| 60 | 11,838 | 204 | 759 | 163,441 |
| 20 | 5,695 | 135 | 2,362 | 379,589 |
| 20 | 1,476 | 33 | 205 | 46,634 |
| 3 | 5,966 | 91 | 702 | 167,108 |
| 20 | 15,231 | 99 | 2,342 | 397,231 |
| 1 | 675 | 6 | 110 | 36,538 |
| 1 | 434 | 0 | 41 | 10,995 |
| 0 | 279 | 10 | 597 | 19,060 |
| 2 | 2,603 | 19 | 1,428 | 155,659 |
| 0 | 975 | 110 | 248 | 41,278 |
| 200 | 81,437 | 1,570 | 11,532 | 2,143,306 |
| 2 | 742 | 6 | 50 | 19,880 |
| 0 | 156 | 0 | 6 | 7,152 |
| 0 | 239 | 7 | 87 | 12,844 |
| 0 | 48 | 8 | 4 | 5,285 |
| 0 | 28 | 2 | 5 | 2,347 |
| 11 | 811 | 1 | 53 | 36,910 |
| 1 | 187 | 3 | 34 | 11,059 |
| 0 | 68 | 2 | 12 | 5,539 |
| 0 | 86 | 3 | 2 | 4,589 |
| 0 | 531 | 4 | 7 | 7,478 |
| 0 | 18 | 5 | 1 | 1,637 |
| 0 | 360 | 22 | 73 | 25,889 |
| 0 | 359 | 58 | 51 | 44,409 |
| 0 | 237 | 5 | 39 | 15,737 |
| 14 | 3,870 | 126 | 424 | 200,755 |
| 19 | 17,607 | 271 | 15,458 | 1,362,741 |
| 0 | 336 | 12 | 88 | 18,555 |
| 0 | 1,117 | 4 | 1,223 | 74,399 |
| 0 | 1,728 | 47 | 351 | 36,397 |
| 19 | 20,788 | 334 | 17,120 | 1,492,092 |
| 0 | 140 | 1 | 2 | 1,523 |
| 0 | 166 | 21 | 22 | 5,715 |
| 0 | 1,036 | 107 | 62 | 58,448 |
| 0 | 365 | 9 | 23 | 8,258 |
| 0 | 65 | 0 | 1 | 499 |
| 0 | 1,156 | 3 | 28 | 8,243 |
| 0 | 2,928 | 141 | 138 | 82,686 |
| 0 | 118 | 2 | 63 | 7,136 |
| 0 | 271 | 0 | 27 | 4,965 |
| 0 | 39 | 0 | 9 | 2,387 |
| 0 | 163 | 8 | 91 | 12,528 |
| 0 | 591 | 10 | 190 | 27,016 |
| 233 | 109,614 | 2,181 | 29,404 | 3,945,855 |



PARTICIPATION BY US STATES AND DISTRICT OF COLUMBIA

| US STATES | LAND | | | UNDERWATER | | | TOTAL | | |
|----------------------|--------|-------------|---------|------------|---------|-------|--------|-------------|---------|
| | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES |
| Alabama | 3,925 | 80,374.7 | 287.8 | - | - | - | 3,925 | 80,374.7 | 287.8 |
| Alaska | 2 | 40.0 | 1.0 | 6 | 60.0 | - | 8 | 100.0 | 1.0 |
| Arizona | 231 | 5,025.0 | 28.2 | 321 | 1,585.0 | 3.4 | 552 | 6,610.0 | 31.6 |
| Arkansas | 8 | 30.0 | 1.4 | 35 | 170.0 | 1.5 | 43 | 200.0 | 2.9 |
| California | 73,553 | 1,664,501.2 | 2,860.0 | 138 | 1,605.0 | 4.3 | 73,691 | 1,666,106.2 | 2,864.3 |
| Colorado | 94 | 1,144.0 | - | 2 | 10.0 | - | 96 | 1,154.0 | - |
| Connecticut | 1,654 | 13,143.0 | 58.7 | 54 | 544.0 | 2.2 | 1,708 | 13,687.0 | 60.9 |
| Delaware | 1,357 | 21,736.5 | 64.0 | - | - | - | 1,357 | 21,736.5 | 64.0 |
| District of Columbia | 308 | 6,678.0 | 8.5 | - | - | - | 308 | 6,678.0 | 8.5 |
| Florida | 32,437 | 409,116.2 | 1,928.9 | 259 | 7,163.0 | 37.4 | 32,696 | 416,279.2 | 1,966.3 |
| Georgia | 28 | 56.0 | 3.3 | - | - | - | 28 | 56.0 | 3.3 |
| Hawaii | 2,392 | 22,481.1 | 79.1 | 109 | 3,655.0 | 2.3 | 2,501 | 26,136.1 | 81.4 |
| Idaho | 705 | 1,630.0 | 40.3 | 58 | 650.0 | 0.8 | 763 | 2,280.0 | 41.1 |
| Illinois | 3,094 | 10,403.0 | 38.2 | 133 | 1,032.0 | 1.1 | 3,227 | 11,435.0 | 39.3 |
| Indiana | 611 | 6,927.0 | 15.2 | 24 | 20.0 | 0.2 | 635 | 6,947.0 | 15.4 |
| Kansas | 42 | 1,310.0 | 1.0 | - | - | - | 42 | 1,310.0 | 1.0 |
| Louisiana | 1,637 | 22,900.0 | 71.1 | - | - | - | 1,637 | 22,900.0 | 71.1 |
| Maine | 1,638 | 13,559.5 | 105.2 | - | - | - | 1,638 | 13,559.5 | 105.2 |
| Maryland | 535 | 7,454.0 | 20.4 | - | - | - | 535 | 7,454.0 | 20.4 |
| Massachusetts | 3,066 | 22,299.5 | 139.2 | 11 | 60.0 | 0.5 | 3,077 | 22,359.5 | 139.7 |
| Michigan | 2,445 | 7,878.9 | 116.4 | 27 | 415.8 | 0.7 | 2,472 | 8,294.7 | 117.1 |
| Minnesota | 510 | 3,784.1 | 24.1 | 30 | 306.0 | 0.7 | 540 | 4,090.1 | 24.8 |

| | LAND | | | UNDERWATER | | | TOTAL | | |
|---|----------------|--------------------|----------------|--------------|-----------------|-------------|----------------|--------------------|----------------|
| US STATES | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES | PEOPLE | POUNDS | MILES |
| Mississippi | 2,328 | 45,855.0 | 169.0 | - | - | - | 2,328 | 45,855.0 | 169.0 |
| Missouri | 24 | 501.0 | 0.2 | 36 | 360.0 | - | 60 | 861.0 | 0.2 |
| Montana | 10 | 70.0 | 0.0 | 30 | 410.0 | 0.1 | 40 | 480.0 | 0.1 |
| Nebraska | 526 | 7,156.0 | 89.8 | 10 | 500.0 | 0.2 | 536 | 7,656.0 | 90.0 |
| Nevada | 29 | 540.0 | 7.6 | 15 | 150.0 | 0.1 | 44 | 690.0 | 7.7 |
| New Hampshire | 1,547 | 6,635.3 | 23.9 | 10 | 1,000.0 | 0.5 | 1,557 | 7,635.3 | 24.4 |
| New Jersey | 5,821 | 39,988.5 | 147.2 | 51 | 801.0 | 0.6 | 5,872 | 40,789.5 | 147.8 |
| New York | 6,428 | 81,876.9 | 302.4 | 66 | 1,090.0 | 2.1 | 6,494 | 82,966.9 | 304.5 |
| North Carolina | 18,256 | 527,278.0 | 1,560.0 | 74 | 748.0 | 1.1 | 18,330 | 528,026.0 | 1,561.1 |
| Ohio | 908 | 11,576.0 | 54.0 | 136 | 1,872.0 | 1.0 | 1,044 | 13,448.0 | 55.0 |
| Oklahoma | 5 | 200.0 | 2.0 | 5 | 800.0 | 1.0 | 10 | 1,000.0 | 3.0 |
| Oregon | 94 | 1,402.0 | 107.1 | 23 | 114.0 | 0.1 | 117 | 1,516.0 | 107.2 |
| Pennsylvania | 2,562 | 91,388.0 | 107.3 | 100 | 4,940.0 | 3.8 | 2,662 | 96,328.0 | 111.1 |
| Rhode Island | 1,799 | 12,796.0 | 83.5 | 70 | 825.0 | 0.5 | 1,869 | 13,621.0 | 84.0 |
| South Carolina | 598 | 8,453.0 | 34.7 | 7 | 8.0 | - | 605 | 8,461.0 | 34.7 |
| Tennessee | 111 | 5,038.0 | 0.3 | 4 | 50.0 | 0.1 | 115 | 5,088.0 | 0.4 |
| Texas | 3,558 | 208,795.0 | 77.2 | 15 | 230.0 | 0.8 | 3,573 | 209,025.0 | 78.0 |
| Utah | 9 | 175.2 | 1.2 | 15 | 235.0 | 1.0 | 24 | 410.2 | 2.2 |
| Virginia | 5,710 | 254,046.0 | 364.9 | - | - | - | 5,710 | 254,046.0 | 364.9 |
| Washington | 81 | 810.0 | 11.2 | 27 | 675.0 | 0.8 | 108 | 1,485.0 | 12.0 |
| Wisconsin | 564 | 1,873.0 | 8.8 | 53 | 447.0 | 1.6 | 617 | 2,320.0 | 10.4 |
| US STATE AND DISTRICT OF COLUMBIA TOTALS | 181,240 | 3,628,924.6 | 9,044.3 | 1,954 | 32,530.8 | 70.5 | 183,194 | 3,661,455.4 | 9,114.8 |
| TOTAL NUMBER OF US STATES AND DISTRICT OF COLUMBIA: 43 | | | | | | | | | |

TERMINOLOGY

Below are the definition of terms used throughout the report:

THE SYMBOL (-) IN A CHART

This data was not collected.

THE NUMBER 0 IN A CHART

The quantity of the data collected was equal to zero.

COASTAL CLEANUP

This type of Cleanup site borders the ocean.

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.

LAND CLEANUP

A Cleanup that was conducted on a beach or waterway.

UNDERWATER CLEANUP

A Cleanup that was conducted underwater by certified divers.

WATERCRAFT CLEANUP

A Cleanup that was conducted offshore by watercraft which includes kayaks, canoes, sail boats, and motor boats.

PEOPLE OR VOLUNTEERS

The number of people or volunteers at a Cleanup site are counted by the coordinator, totaled for each country, location, or US state, and sent to Ocean Conservancy.

POUNDS

Volunteers weigh trash collected when possible. On average, a bag of trash weighs 15 pounds, an estimate which is used by coordinators and Ocean Conservancy staff to estimate weight if scales are not available.

MILES

The number of miles cleaned is estimated from the starting point to the end point at each Cleanup site. The distance for a Cleanup site is not the sum of all distances covered by each individual volunteer.

TEN THINGS YOU CAN DO TO STOP MARINE DEBRIS

- 1 Volunteer for Ocean Conservancy's International Coastal Cleanup held every September. Go to www.coastalcleanup.org.
- 2 Put trash in a secure, lidded receptacle—most marine debris starts out on land.
- 3 Properly recycle everything you can: batteries, cans, bottles and food containers, newspapers, cell phones, computers, bags, packaging materials, fishing line. Contact your local waste hauler or county solid waste office to discover your recycling options.
- 4 When boating, bring your oil cans, food wrappers, and cigarette butts back to shore, and be sure to ask your marina to handle waste properly (check out Ocean Conservancy's *Good Mate* manual for helpful tips at www.coastalcleanup.org).
- 5 Less is more: Don't buy stuff you don't need that will just end up as trash. When you do make purchases, choose items that use less packaging.
- 6 Start conversations that inform and inspire your friends and co-workers to help stop marine debris at the source.
- 7 Bring along your own permanent food containers for picnics instead of using disposables. Remember to take your own reusable bags whenever you go shopping.
- 8 Write to companies or visit local shops and restaurants and encourage them to reuse, recycle, and generate less packaging.
- 9 Put cigarette butts in ashtrays, not on streets, sidewalks, or beaches.
- 10 Write to your elected officials and encourage them to support policies that protect our ocean.

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FOR MORE INFORMATION OR TO SIGN UP AS A VOLUNTEER FOR THE NEXT INTERNATIONAL COASTAL CLEANUP VISIT WWW.COASTALCLEANUP.ORG.

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Each year, **Ocean Conservancy**—in partnership with a network of volunteer organizations and individuals—provides a compelling global snapshot of marine debris collected in and around the ocean and inland waterways all over the world on the third Saturday in September. This year's report, *A Rising Tide of Ocean Debris*, presents data recorded by nearly 400,000 volunteers in 104 countries and locations and 42 states and the District of Columbia in the US who rolled up their sleeves and got to work during Ocean Conservancy's 23rd annual International Coastal Cleanup.

In addition to providing the Marine Debris Index—state-by-state and country-by-country data about the 6.8 million pounds of trash picked up—this report reveals the sources of debris, from cigarette butts and fast-food wrappers to syringes and old fishing line, and zeroes in on the deadly effects of marine debris on marine wildlife. It also identifies the connection between the stress caused by marine debris and the ability of the ocean and its critical-life support systems to adapt to the onset of global climate change. Recommendations provide a roadmap for eliminating marine debris altogether by reducing it at the source, changing the behaviors that cause it, and supporting better policy.

Humans have created the marine debris problem, and humans must take responsibility for it. The comprehensive body of data compiled during the Cleanup in the course of its 23-year history continues to inform and inspire action. Working together, citizens and environmentalists, our top corporations, and government leaders can take effective action to eliminate the scourge of trash in the ocean. The future of the planet and the well-being of present and future generations are counting on it.



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FOR MORE INFORMATION

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