

# TRASH TRAVELS

From Our Hands to the Sea, Around the Globe, and Through Time







# Contents

#### **Overview**

INTRODUCTION FROM THE PRESIDENT AND CEO	02
A MESSAGE FROM PHILIPPE COUSTEAU	
EXECUTIVE SUMMARY	
RESULTS FROM THE 2009 INTERNATIONAL COASTAL CLEANUP	. , , 06
PARTICIPATING COUNTRIES MAP	/07
TRASH TRAVELS: THE TRUTH—AND THE CONSEQUENCES, 1/////////////////////////////	
THE PACIFIC GARBAGE PATCH: MYTHS AND REALITIES	.,. 24
INTERNATIONAL COASTAL CLEANUP SPONSORING PARTNERS	./,/,/26
INTERNATIONAL COASTAL CLEANUP VOLUNTEER COORDINATORS AND SPONSORS	/30
The Marine Debris Index	
TERMINOLOGY	
METHODOLOGY AND RESEARCH NOTES	y,40
MARINE DEBRIS BREAKDOWN BY COUNTRIES AND LOCATIONS	41
PARTICIPATION BY COUNTRIES AND LOCATIONS	49
MARINE DEBRIS BREAKDOWN BY US STATES	50
PARTICIPATION BY US STATES	53
ACKNOWLEDGMENTS AND PHOTO CREDITS	55

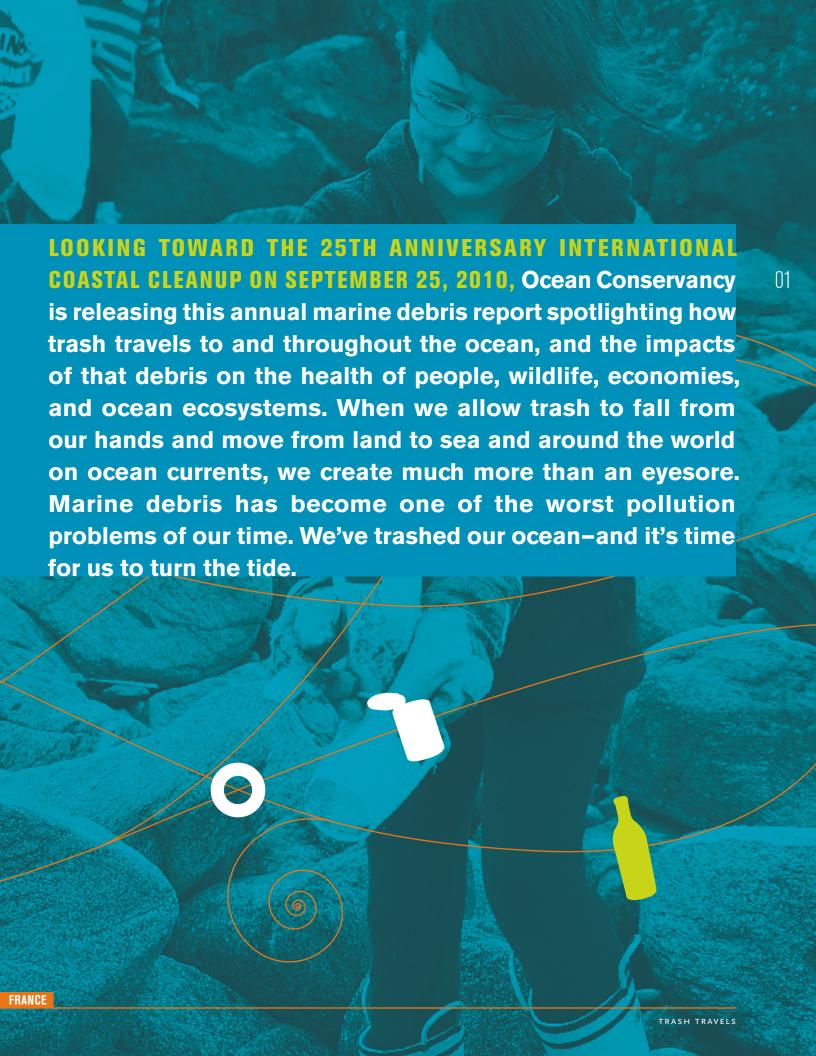
#### **Ocean Conservancy**

Ocean Conservancy promotes healthy and diverse 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.





# Message in a Bottle



rowing up, I loved beachcombing. I was enthralled with the romantic possibility that I might come across a note in a bottle, launched from across the globe and carried to me on ocean currents.

That notion isn't so romantic today. During the International Coastal Cleanup in September 2009, half-a-million volunteers in 108 countries and locations around the world picked up trash from the world's waterways. Divers went below the surface to collect debris, and boaters scooped up trash on hard-to-reach beaches. These volunteers also recorded what they foundincluding more than a million bottles, each carrying a new message: Trash in our ocean and waterways has created one of the worst pollution problems of our time.

Trash travels, and no beach, lakeshore, or riverfront is untouched-no matter how remote. All of us have contributed. An estimated 60-80 percent of marine litter starts

out on land. Much originates along the coast, but litter also finds its way to the ocean by way of storm drains and waterways. Once trash arrives in the ocean, it can travel thousands of miles carried by ocean currents and winds.

There's no doubt, trash in the ocean is ugly. From single-use shopping bags to huge lost fishing nets, marine debris impacts ecosystems, coastal economies, and wildlife. Items like syringes and disposable diapers along with sharp pieces of metal and glass pose health hazards. And trash that falls from our hands to the sea could be there for generations to come, affecting the health of the ocean-a life-support system that provides us food, water, and oxygen. The ocean also drives our climate, and fuels economies. When we trash our ocean, we are trashing our own health and well-being.

The exciting news is that elected officials, CEOs, community leaders, and private citizens are coming together to solve this

problem. President Obama has appointed an Interagency Ocean Policy Task Force, making ocean protection a top national priority. Local governments are working hand-in-hand with residents and nongovernmental organizations to develop comprehensive marine debris prevention plans across entire regions. Corporations are using their ingenuity to create technological solutions through "greener" product design and packaging. And Ocean Conservancy's International Coastal Cleanup represents a growing network of hundreds of thousands of people each year who join in the world's largest volunteer effort to clean up the ocean and waterways.

The data these volunteers collect are used to update the Marine Debris Index. In the pages of this report, you will learn about the impacts of traveling trash, and where this traveler originates. Cleanups alone can't solve the problem; we must also stop marine debris at the source.

Please join us for our landmark 25th Anniversary Cleanup in September 2010. To sign up for a Cleanup-or lead one of your own-visit www.oceanconservancy. org/cleanup. Together, we can start a sea change.

KilliMyrull

For the ocean,

VIKKI SPRUILL PRESIDENT AND CEO. OCEAN CONSERVANCY A MESSAGE FROM

# Philippe Cousteau



WE CAN
COME
TOGETHER—
youth and adults,
governments
and corporations,
nonprofits and
scientists—
and STOP
MAN-MADE
ITEMS FROM
GETTING
INTO OUR
OCEAN.

ater, one of the most precious substances on the planet, sustains all life. I come from a family that has studied and revered the ocean for three generations; my grandfather Jacques Cousteau called our home "the water planet," and devoted his life's work to showing the world how important the ocean is to our very existence on Earth. It covers more than two-thirds of the globe, an area so large that we've thought of it like outer space-out of sight and seemingly infinite. But today we have the ability to explore the farthest corners of the sea, and we've documented big changes since my grandfather's time.

We know that the trash we put in the ocean is affecting everything from water quality to local economies and human health. I saw it myself in beautiful Papua New Guinea, where cans, bottle caps, and countless other items from our disposable society had arrived ahead of me on those remote shores.

When trash travels, it carries impacts along with it that affect us all. We live in a global community, connected by cutting-edge social networking technologies—yet we are bound together as well by our common connection to the ocean. And that's what I tell the young people I work with.

We can find solutions to great environmental problems like this one, and I believe there are millions of young people in the world who have the will to implement those solutions. My sister and I founded the nonprofit organization EarthEcho International to empower youth to take action that restores and protects our water planet. EarthEcho's new Water Planet Challenge will provide the tools and resources they need to plan their own service-learning projects. Experts will provide a solid foundation of knowledge, and through hands-on experiences, like Ocean Conservancy's International Coastal Cleanup, these young people will gain conservation knowledge and skills they can use throughout their lives.

The Challenge is reaching out to them at a time when they are forming lifelong behaviors. There are behavior changes we can all make to craft a world we can thrive in and protect for generations to come. We can come together-youth and adults, governments and corporations, nonprofits and scientists-and stop man-made items from getting into our ocean. From the habits of concert-goers or picnickers to the daily workings of large corporations, we can make changes to stop the dangerous flow of marine debris. Please read this report to learn more, and especially encourage the young people you know to join this global movement. The future of our ocean depends on them.

PHILIPPE COUSTEAU

CEO, EARTHECHO INTERNATIONAL
BOARD MEMBER, OCEAN CONSERVANCY

# **Executive Summary**

Marine litter is symptomatic of a wider malaise: namely the wasteful use and persistent poor management of natural resources. The plastic bags, bottles, and other debris piling up in the oceans and seas could be dramatically reduced by improved waste reduction, waste management, and recycling initiatives.

Achim Steiner United Nations under-secretary-general

AND UNITED NATIONS ENVIRONMENT PROGRAMME EXECUTIVE DIRECTOR

ach year, Ocean Conservancy provides a compelling global snapshot of marine debris collected and recorded at more than 6,000 sites all over the world on a single day during the International Coastal Cleanup. The world's largest volunteer effort for the ocean and waterways began nearly twenty-five years ago with the efforts of one woman, and today works towards global solutions through the cumulative efforts of half-a-million volunteers around the world. This year's annual report, Trash Travels: From Our Hands to the Sea, Around the Globe, and Through Time, highlights the 2009 data and also explains how trash improperly discarded can travel long distances in the water, becoming one of our greatest global pollution problems.

During the 2009 International Coastal Cleanup, 498,818 volunteers picked up 7.4 million pounds of marine debris, in 108 countries and locations around the world and 45 US states and the District of Columbia. Marine debris is defined as "any persistent, manufactured or processed solid material discarded, disposed of, or abandoned in the marine and coastal environment." <sup>31</sup> Items ranging from cigarette butts to 55-gallon drums and household appliances inflict major impacts on the health of the ocean as a whole as well as that of humans, wildlife, and coastal economies.

No matter where we live, the ocean is our life support system, providing much of the food, water, and oxygen we need to survive. When we compromise the ocean's health, we compromise our own. Marine debris

also directly impacts human health. Sharp items like broken glass or metal cans cut beachgoers, while disposable diapers, condoms, and old chemical drums introduce bacteria, toxic compounds, and other contaminants into the water. Marine wildlife suffers from dangerous encounters with marine debris as well, facing sickness and death from entanglement or ingestion of man-made objects. And the pervasive problem of marine litter even impacts economic health.

The comprehensive, long-term body of data compiled by Ocean Conservancy and an army of volunteers each year—the Marine Debris Index—is the only country-by-country, state-by-state, item-by-item accounting of trash on beaches and along coastal and inland waterways. These data have been

2009 INTERNATIONAL COASTAL CLEANUP:

498,818

7.4 million

POUNDS OF MARINE DEBRIS

108

**COUNTRIES AND LOCATIONS** 

45

US STATES & THE DISTRICT OF COLUMBIA

collected systematically since 1989. Of the 43 items tracked during the Cleanup, the top three items (by number) found worldwide in 2009 were cigarettes/cigarette filters, plastic bags, and food wrappers/containers.

The knowledge that certain items show up more in certain places can help shape local prevention efforts. During the 2009 Cleanup, volunteers found 18,000 derelict fishing nets in the United Kingdom alone, and 70,000 plastic bottles in Nicaragua. In 2009, 60 percent of all debris items found on just one day were "disposable."

The Marine Debris Index has informed major marine debris laws like the US Marine Debris Research, Prevention, and Reduction Act, and has also helped inspire changes in the behaviors that cause marine debris. The data have been cited in a number of major reports and plans concerning this global pollution problem, from California's state marine debris action plan<sup>6</sup> to the United Nations Environmental Programme's 2009 worldwide survey *Marine Litter: A Global Challenge*.<sup>31</sup>

Because trash travels, we are all part of the problem—and the solution—whether we live hundreds of miles inland or along the ocean's shores. This year's Cleanup report examines the phenomenon of trash on the move to and throughout the ocean, and the resulting impacts worldwide. Cleanup data tell us that an estimated 60–80 percent of marine litter starts out on land. Lakes, rivers, streams, and storm drains, helped by the wind, transport litter hundreds of miles to the ocean. And ocean currents and winds



ABOVE & BELOW: DEDICATED VOLUNTEERS
PUT THEIR HEARTS AND MUSCLES INTO THEIR
WORK DURING THE CLEANUP, WHETHER HEFTING
DUMPED TIRES OR COLLECTING THE MYRIAD
LITTER THAT ACCUMULATES ON BEACHES.

carry that marine debris all around the globe. Trash travels through time as well; estimates vary, but some items may last hundreds or even thousands of years in the water.<sup>4</sup>

The data from the International Coastal Cleanup help provide a roadmap for eliminating marine debris by showing what is out there so we can work together to reduce it at the source, change the behaviors that cause it, and support better policies to prevent marine debris from causing further harm to our vital ocean ecosystems.



# CLEANUP RESULTS

#### THE MARINE DEBRIS INDEX



The International Coastal Cleanup is THE WORLD'S LARGEST VOLUNTEER EFFORT ON BEHALF OF OCEAN HEALTH. During the 2009 Cleanup, 498,818 volunteers were united in spirit on a single day across many time zones. In 108 countries and locations around the world, as well as in 45 US states and the District of Columbia, THESE DEDICATED OCEAN CHAMPIONS PICKED UP 7,446,130 POUNDS OF DEBRIS AND RECORDED 10,239,538 INDIVIDUAL PIECES OF TRASH, including cigarette butts, food wrappers, cans, and bottles.





INTERNATIONAL COASTAL CLEANUP

#### PARTICIPATING COUNTRIES AND LOCATIONS

Argentina	Cook Island
Aruba	Costa Rica
Australia	Croatia
Austria	Cyprus
Bahamas	Denmark
Bahrain	Dominican
Bangladesh	Republic
Barbados	East Timor
Belgium	Ecuador
Belize	Egypt
Brazil	El Salvador
British Virgin	Estonia
Islands	Fiji
Cambodia	Finland
Canada	France
Cape Verde	Germany
Cayman Islands	Ghana
Chile	Gibraltar
China	Greece
Colombia	Grenada

Guam Guatemala Honduras **Hong Kong** Hungary India Indonesia Iran Ireland Israel Italy Jamaica Japan Jordan Kenya Libya Lithuania Luxembourg Malaysia Maldives

Marshall Islands Mauritius Mexico Namibia Netherlands Netherlands Antilles **New Zealand** Nicaragua Northern Mariana Islands Norway Palau Panama Papua New Guinea **Paraguay** Peru **Philippines Poland** 

Malta

**Portugal Puerto Rico** Republic of Korea Russia Samoa Saudi Arabia Singapore Slovakia Slovenia South Africa Spain Sri Lanka St. Kitts and Nevis St. Vincent and the Grenadines Sweden **Switzerland** Taiwan Tanzania

Thailand

Togo
Tonga
Trinidad and
Tobago
Turkey
Ukraine
United Arab
Emirates
United Kingdom
United States
US Virgin Islands
Uruguay
Vanuatu
Venezuela
Vietnam





SCHOOLCHILDREN IN MOMBASA TEAM LIP TO CLEAR A LOCAL BEACH OF TRASH.

#### The Cleanup: **History and Logistics**

he International Coastal Cleanup got its start with one woman's effort to clean up marine debris on a local beach. Linda Maraniss, a former employee of Ocean Conservancy (then known as the Center for Environmental Education), was appalled by the amount of trash she saw while walking along the shores of South Padre Island, Texas. She felt compelled to clean up what she found, and she also wanted to know which trash items were the most prevalent.

From that first Cleanup in 1986, the event has been a collaborative effort. Linda and her colleague Kathryn O'Hara worked together on a data card so people could catalogue the trash as they picked it up. Joining forces with the Texas General Land Office. they rallied volunteers. The results: In a mere two hours, 2,800 Texans picked up 124 tons of trash from 122 miles of coastline. As Maraniss says, "Trash travels; it's an international problem. If you're going to succeed with beach cleanups, you need the cooperation of citizens, government, and industry." In the course of nearly a quarter of a century, interest has surged and the Cleanup has become a major international movement to clean shorelines and waterways, collect data, and raise awareness about marine debris.

The hands-on International Coastal Cleanup brings together like-minded people across the world to address one of the greatest pollution problems of our time, involving local residents along with employees of local businesses and governments, all of whom have a stake in finding solutions. Marine debris, which consists of "any persistent, manufactured or processed solid material discarded, disposed of, or abandoned in the marine and coastal environment,"31 starts as a local issue. but requires global solutions because it often travels far beyond its origins, crossing political and geographical boundaries.

The Cleanup generally takes place on the third Saturday in September (though events may be scheduled throughout September and October to accommodate holidays, religious observances, or extreme weather). Throughout the year, a network of volunteer Cleanup coordinators identifies sites to be cleaned within their country, state, or territory, and recruits sponsors as well as volunteers for the day of the event. More people sign on each year (a million helping hands picked up debris in 2009), drawn not only by the serious and compelling impacts of this major pollution problem, but also by the fact that almost anyone, at any age or any stage of life, can easily participate and make a difference.



**ABOVE: VOLUNTEERS RECORD EVERY ITEM** THEY FIND ON STANDARDIZED DATA CARDS.

Volunteers including friends, neighbors, students, and co-workers fan out across shorelines picking up marine litter. Because lakes, rivers, and streams, along with the wind, can carry litter to the sea, Cleanups occur not just at the ocean, but inland as well, and take place in landlocked states and countries like Nevada and Luxembourg.

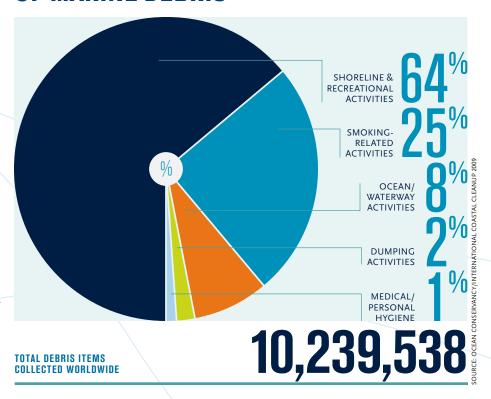
### The Data: A Tool for Better Decision-making

Volunteers don't just clean up; they tally every item they find on Ocean Conservancy's standardized data cards. This accounting of items picked up in just a few hours on one day provides a global snapshot of the marine debris problem. The item-by-item, location-by-location data have a long history of raising awareness about this global problem and informing policies and programs to address it.

To give a few examples, in 1987 Ocean Conservancy (then called the Center for Environmental Education) produced the report *Plastics in the Ocean: More Than a Litter Problem*, which was one of the first studies to identify plastics as a significant marine debris hazard. Information cited in the report helped spur the US Congress to enforce restrictions against dumping of garbage at sea by adopting Annex V of the International Convention for the Prevention of Pollution from Ships, also known as MARPOL 73/78 Annex V.

Corresponding national legislation, called the Marine Plastic Pollution Research and Control Act of 1987, restricted the dumping of garbage from boats, including a complete ban on dumping of plastics at sea, and helped control land-based sources of marine debris, such as storm water systems and combined sewer systems. In 2004, the US Commission on Ocean Policy report<sup>32</sup> cited the International Coastal Cleanup data as significant in characterizing the types, amounts, and sources of marine debris collected along the beaches and waterways in the US and its territories. The data from the International Coastal Cleanup also helped inform the passage of the 2006 Marine Debris Research, Reduction, and Prevention Act. In Washington, DC, where Cleanup data documented that single-use bags comprise a large component of local

### 2009 WORLDWIDE SOURCES OF MARINE DEBRIS



MARINE DEBRIS starts as a local issue, but requires global solutions because it often travels far beyond its origins, crossing political and geographical boundaries.

marine debris, the Anacostia River Cleanup and Protection Act of 2009 implemented a five-cent fee on disposable paper or plastic bags provided by retailers; anecdotal information reported in the press suggests that consumption of the bags dropped fifty percent almost immediately. And California used the data when developing a comprehensive state plan to address all aspects of marine debris.6



#### **Data collection**

Volunteers record what they find on standardized data cards that list the most common marine debris items, and allow volunteers to record unusual finds as well. In 2009, "weird finds" included go-karts, a gumball machine, plastic vampire teeth, and a swimsuit-wearing mannequin. From bottle caps to major appliances, debris items are catalogued in categories according to sources (see page 40 for definitions). Coordinators ensure that the data reach Ocean Conservancy, which compiles and analyzes the information. A new online data entry system streamlines the process and minimizes transcription errors.

# 60 PERCENT of all debris items found in 2009 were "DISPOSABLE."



10

**DURING THE 2009 CLEANUP. VOLUNTEERS FOUND** 

**58,881**BOTTLES OF OIL/LUBE

REPRESENTING OIL CHANGES FOR NEARLY

**12,000** 

The resulting Marine Debris Index helps identify the sources of marine debris so that solutions can be put in place. For example, the data show that 60 percent of all debris items found in 2009 were "disposable," including 512,517 cups, plates, forks, knives, and spoons—enough for a picnic for over 100,000 people. Focusing prevention efforts on reducing and properly disposing of these items has great potential for reducing debris in our ocean and waterways.

For the complete Marine Debris Index and methodology, including state-by-state and country-by-country breakdowns, please see pages 41 through 53; to view additional information, visit www.oceanconservancy.org.

In 2009, hard-to-reach locations were covered by 1,986 boaters who collected 52,133 pounds of debris. And because marine debris doesn't stop at the waterline, 14,116 scuba divers (organized by the Project AWARE Foundation) plunged into the water to retrieve 320,437 pounds more. The Cleanup took place at 6,430 sites around the world.

#### **Sources of Marine Debris**

Identifying where marine debris originates is key to developing solutions. Ocean Conservancy identifies five categories of marine debris sources to better understand where the trash reaching our ocean starts out.

- SHORELINE & RECREATIONAL ACTIVITIES. The majority of marine debris comes from land-based activities like eating fast food and discarding the wrappers, beach trips and picnics, sports and recreation, and festivals. Litter travels 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 ACTIVITIES. Legal and illegal dumping of domestic and industrial garbage, construction materials, and large household appliances puts large quantities of harmful items into the sea.
- » MEDICAL/PERSONAL HYGIENE. Items ranging from tampons and disposable diapers to syringes enter the water most often through sewer systems.



**ABOVE:** AT PAMPULHA LAKE IN BELO HORIZONTE, A BOATER FERRIES DEBRIS COLLECTED DURING THE CLEANUP; VOLUNTEERS IN BOATS CAN OFTEN REACH AREAS INACCESSIBLE BY THOSE ON FOOT.

#### **SOURCES OF MARINE DEBRIS BY REGION**

SOURCE	AFRICA	NORTH AMERICA	CENTRAL AMERICA	SOUTH	CARIBBEAN	SOUTH- EAST ASIA	WESTERN ASIA	EUROPE	OCEANIA
SHORELINE & RECREATIONAL ACTIVITIES	76.1%	55.2%	84.9%	69.7%	82.6%	72.4%	60.5%	60.4%	75.2%
OCEAN/WATERWAY ACTIVITIES	12.7%	5.0%	4.8%	12.0%	6.6%	12.7%	9.7%	24.9%	5.2%
SMOKING-RELATED ACTIVITIES	8.4%	37.2%	8.0%	15.4%	7.7%	11.2%	27.7%	11.1%	19.7%
DUMPING ACTIVITIES	1.8%	1.9%	1.1%	2.0%	1.8%	1.6%	1.5%	2.8%	1.8%
MEDICAL/PERSONAL HYGIENE	1.0%	0.7%	1.2%	1.0%	1.3%	2.0%	0.6%	0.8%	1.1%

In addition, regional trends tracked by source can help local planners identify and manage specific marine debris items. As the chart above shows, in 2009 Central America had the largest percentage of debris from Shoreline and Recreational Activities (84.9 percent). Europe had the largest percentage of items from Ocean/Waterway Activities, nearly a quarter of all their debris items. The United Kingdom removed nearly 18,000 fishing nets during the Cleanup, while North America had the highest percentage of debris from Smoking-related Activities, with 37 percent of debris items coming from this category. Percentages of debris from both Dumping Activities and Medical/Personal Hygiene were fairly consistent throughout the world. One item collected in large numbers in a particular region can point decision-makers towards specific solutions, as in Nicaragua where volunteers found over 70,000 plastic bottles during the 2009 Cleanup—an average of 11 plastic bottles per volunteer. To put the Nicaragua statistic in perspective, only the United States picked up more bottles as a country, and the much larger US has 28 times more volunteers cleaning its shores.

On the list of top ten items found worldwide, cigarettes and cigarette filters were the most prevalent debris items found during the Cleanup, accounting for nearly twice the number of any other debris item; volunteers removed more than 2.2 million from beaches and inland waterways. Plastic bags placed second (1.1 million), accounting for one out of every ten items removed and tallied, followed by food wrappers/containers (943,233). In addition, 73 percent of the top ten debris items came from Shoreline and Recreational Activities, and 27 percent from Smoking-related Activities. Nine out of the top ten debris items are disposable.



**ABOVE:** CIGARETTES, PLASTIC BAGS, AND FOOD WRAPPERS/CONTAINERS TOP THE LIST, BUT VOLUNTEERS FIND EVERY KIND OF MAN-MADE ITEM IMAGINABLE.

#### **TOP TEN MARINE DEBRIS ITEMS**

RANK	DEBRIS ITEM	NUMBER OF DEBRIS ITEMS	PERCENTAGE OF TOTAL DEBRIS ITEMS
1	CIGARETTES/CIGARETTE FILTERS	2,189,252	21%
2	BAGS (PLASTIC)	1,126,774	11%
3	FOOD WRAPPERS/CONTAINERS	943,233	9%
4	CAPS, LIDS	912,246	9%
5	BEVERAGE BOTTLES (PLASTIC)	883,737	9%
6	CUPS, PLATES, FORKS, KNIVES, SPOONS	512,517	5%
7	BEVERAGE BOTTLES (GLASS)	459,531	4%
8	BEVERAGE CANS	457,631	4%
9	STRAWS, STIRRERS	412,940	4%
10	BAGS (PAPER)	331,476	3%
	TOP TEN TOTAL DEBRIS ITEMS	8,229,337	80%
	TOTAL DEBRIS ITEMS WORLDWIDE	10,239,538	100%

# Nearly 380,000 VOLUNTEERS WORKED ALONG THE OCEAN'S COASTS, While more than 120,000 PEOPLE PARTICIPATED INLAND.

#### **2009 WORLDWIDE DEBRIS ITEM TOTALS**

DEBRIS ITEMS/SOURCES	COUNTS
SHORELINE & RECREATIONAL ACTIVITIES	
BAGS (PAPER)	331,476
BAGS (PLASTIC)	1,126,774
BALLOONS	82,902
BEVERAGE BOTTLES (PLASTIC)	883,737
BEVERAGE BOTTLES (GLASS)	459,531
BEVERAGE CANS	457,631
CAPS/LIDS	912,246
CLOTHING/SHOES	242,928
cups/plates/forks/knives/spoons	512,517
FOOD WRAPPERS/CONTAINERS	943,233
PULL TABS	92,970
6-pack holders	43,257
SHOTGUN SHELLS/WADDING	37,609
STRAWS, STIRRERS	412,940
TOYS	101,543
SUBTOTAL	6,641,294

OCEAN/WATERWAY ACTIVITIES	
BAIT CONTAINERS/PACKAGING	47,361
BLEACH/CLEANER BOTTLES	55,814
BUOYS/FLOATS	56,276
CRAB/LOBSTER/FISH TRAPS	15,463
CRATES	12,807
FISHING LINE	//////88,794
FISHING LURES/LIGHT STICKS	/////////33,711/
FISHING NETS	46,189
LIGHT BULBS/TUBES	///////26,721
OIL/LUBE BOTTLES	58,881
PALLETS	9,376
PLASTIC SHEETING/TARPS	86,729
ROPE	201,739
STRAPPING BANDS	43,682
SUBTOTAL	////783,543

DEBRIS ITEMS/SOURCES	COUNTS
SMOKING-RELATED ACTIVITIES	
CIGARETTES/CIGARETTE FILTERS	/////2,189,252
CIGARETTE LIGHTERS	//////59,884/
CIGAR TIPS	////////133,418
TOBACCO PACKAGING/WRAPPERS	//////129,234
SUBTOTAL	2,511,788

DUMPING ACTIVITIES	
APPLIANCES (REFRIGERATORS, WASHERS, ETC.)	/////11,112
BATTERIES	29,598
BUILDING MATERIALS	///111,134
CARS/CAR PARTS	23,459
55-GALLON DRUMS	3,634
TIRES	19,126
SUBTOTAL	198,063

MEDICAL/PERSONAL HYGIENE	
CONDOMS	26,617
DIAPERS	38,550
SYRINGES	15,076
TAMPONS/TAMPON APPLICATORS	24,607
SUBTOTAL	104,850

TOTAL DEBRIS ITEMS COLLECTED WORLDWIDE 10,239,538



SOURCE: OCEAN CONSERVANCY /INTERNATIONAL COASTAL CLEANUP 2009



#### **The Inland Connection**

Blown by the wind or carried on lakes, rivers, and streams, trash from far inland can travel to the ocean, so Cleanups take place both inland and along the ocean's coasts. During the 2009 Cleanup, 75 percent of all debris items were collected from coastal areas, and 25 percent were collected from inland waterways. Nearly 380,000 volunteers worked along the ocean's coasts, while more than 120,000 people participated inland. The average amount of trash picked up per person was 15 pounds. Nearly every item found in the top ten coastal Cleanups was also found in the top ten inland Cleanups, showing that the most prevalent items are common to each. Cigarettes and cigarette filters were the number one item found during both, with 1.5 million removed during coastal Cleanups and over 620,000 picked up inland.



#### **Volunteer Participation**

Slightly more than half the participants in 2009 came from outside the United States, where the Philippines, Canada, and India had the greatest turnouts. The Philippines nearly doubled their numbers from 2008. Five countries joined the effort for the first time: Cambodia, Cape Verde, Namibia, Samoa, and Togo. The countries with the most Cleanup sites were the United States (2,669), Canada (1,337), and the United Kingdom (418).

In the United States, 218,779 volunteers collected 4,253,650 pounds of trash along an estimated 9,151 miles of shoreline. They covered 45 states and the District of Columbia. The states with the most individual Cleanup sites were California (612), Florida (360), and New York (269). California reached an all-time high of 82,365 volunteers, 38 percent of the US total. Georgia was second with 23,668 volunteers (nearly 11 percent of the US total), followed closely by Florida with 22,703 volunteers (10 percent). The top ten states accounted for nearly 84 percent of US volunteers.



ABOVE: MOMS AND KIDS, CO-WORKERS, NEIGHBORS, AND FRIENDS SIGN UP TOGETHER TO SHARE THE CLEANUP EXPERIENCE WITH LIKE-MINDED PEOPLE THE WORLD OVER

# TOP TEN PARTICIPATING COUNTRIES & LOCATIONS

RANK	COUNTRY OR LOCATION	NUMBER OF VOLUNTEERS
1	UNITED STATES	218,779
2	PHILIPPINES	74,493
3	CANADA	37,147
4	INDIA	18,284
5	PUERTO RICO	14,705
6	JAPAN	13,867
7	BRAZIL	13,664
8	DOMINICAN REPUBLIC	11,636
9	SOUTH AFRICA	7,832
10	MEXICO	6,772
	108 COUNTRIES & Locations	498,818

# TOP TEN PARTICIPATING US STATES

RANK	US STATE	NUMBER OF VOLUNTEERS
1	CALIFORNIA	82,365
2	GEORGIA	23,668
3	FLORIDA	22,703
4	NORTH CAROLINA	18,433
5	NEW YORK	10,425
6	TEXAS	9,374
7	VIRGINIA	5,641
8	ALABAMA	3,473
9	SOUTH CAROLINA	3,472
10	MISSISSIPPI	3,205
	45 US STATES AND District of Columbia	218,779

SOURCE: OCEAN CONSERVANCY/INTERNATIONAL COASTAL CLEANUP 2009

SOURCE: OCEAN CONSERVANCY/

#### 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	5,023,636	1,617,658	6,641,294
OCEAN/WATERWAY ACTIVITIES	1,792,801	718,987	2,511,788
SMOKING-RELATED ACTIVITIES	653,646	129,897	783,543
DUMPING ACTIVITIES	139,043	59,020	198,063
MEDICAL/PERSONAL HYGIENE	83,032	21,818	104,850
TOTALS	7,692,158	2,547,380	10,239,538

#### **Threats to Human Health**

Nearly 200,000 items tallied during the Cleanup pose a direct public health threat. Debris from Dumping Activities (appliances, batteries, cars/car parts, and 55-gallon chemical drums) can release toxic compounds into the water, while items from the Medical/Personal Hygiene category (condoms, disposable diapers, syringes, and tampons/tampon applicators) may convey bacteria and other contaminants. Volunteers found 15,076 syringes worldwide during the 2009 Cleanup.

#### **Dangers to Wildlife**

As they pick up litter, volunteers also note wildlife they find entangled in debris. In 2009, they found 336 marine birds and animals entangled in debris. 120 were alive and released, and 216 entangled birds and animals were found dead, including a seal in California discovered entangled in fishing line. Birds were the number-one victim, accounting for 41 percent of dead marine life found. Fishing line and lost or derelict fishing nets were the two most prevalent types of entangling debris (62 percent).

Wildlife doesn't just become entangled in debris; birds, animals, and fish often ingest items they encounter in their ocean homes. They eat bottle caps, cigarette butts and lighters, fishing line, and a host of other objects. Ocean Conservancy surveyed the literature to identify the items known to choke or entangle wildlife.



**WORLDWIDE DEBRIS ITEMS** FROM DUMPING ACTIVITIES

198,063

**WORLDWIDE DEBRIS ITEMS FROM** MEDICAL/PERSONAL HYGIENE

104,850

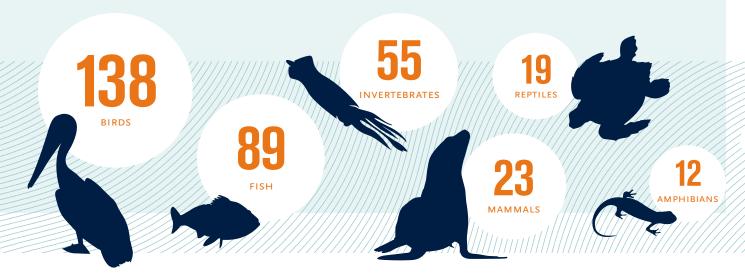
## DEBRIS ITEMS KNOWN TO BE DANGEROUS TO WILDLIFE

	BAGS (PAPER)	CRAB/LOBSTER/FISH TRAPS					
	BAGS (PLASTIC)	FISHING LINE					
	BALLOONS	FISHING LURES/LIGHT STICKS					
_	CAPS, LIDS	FISHING NETS					
_	CLOTHING, SHOES	PLASTIC SHEETING/TARPS					
ANCY	FOOD WRAPPERS/CONTAINERS	ROPE					
NSERV.	PULL TABS	STRAPPING BANDS					
AN CO	6-pack holders	CIGARETTES/CIGARETTE FILTERS					
E: OCE	STRAWS, STIRRERS	CIGARETTE LIGHTERS					
SOURCE: OCEAN CONSERVANCY	BUOYS/FLOATS	CIGAR TIPS					
V)							



#### MARINE WILDLIFE FOUND ENTANGLED IN MARINE DEBRIS

WILDLIFE	BEVERAGE BOTTLES	BEVERAGE CANS	CRAB, Lobster, & Fish Traps	FISHING Hooks	FISHING LINE	FISHING NETS	PLASTIC Bags	RIBBON/ Strings	ROPE	6-PACK Holders	WIRES	TOTAL
AMPHIBIANS	1	0	()(0)	////0/	////3/	///////////////////////////////////////	////6	0	/////ó/	//////1//	////0/	12
BIRDS	2	0	0	5	45	53	19	5	5	//////1//	////3/	138
FISH	5	1	2	1	48	///11/	////11//	2	5	///////1//	////2/	89
INVERTEBRATES	6	2	1	1	14	///12/	/////6/	////7/	6	/////0/	/////0/	55
MAMMALS	0	0	0	3	6	1	////6/	//////1//	////5/	//////1//	/////o/	23
REPTILES	0	0	0	0	10	///4/	1///1/	//////1//	////2	0	///////1/	19
TOTAL DEBRIS ITEMS	14	3	3	10	126	82	49	16	23	4	6	336



# TRASH TRAVELS



THE TRUTH—AND THE CONSEQUENCES

The hardest truth about the state of our marine environment is that WE'VE TRASHED OUR OCEAN, the source of much of the food, water, and oxygen we need to survive. No matter where we live, the ocean is our life-support system, providing all these essentials for us on a daily basis. MARINE DEBRIS IS NOW CONSIDERED ONE OF THE MOST PERVASIVE POLLUTION PROBLEMS PLAGUING OUR OCEAN AND WATERWAYS, and our growing population is generating more of it than ever before. 4,8,9



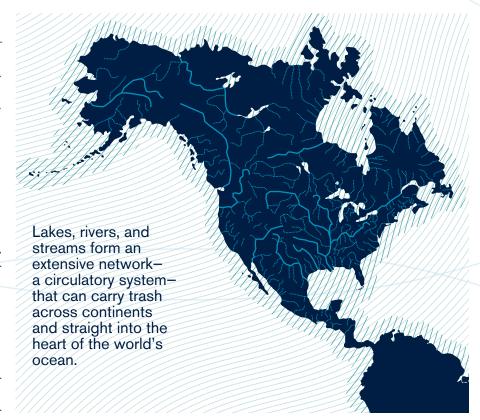
# An estimated 60-80 PERCENT of marine debris STARTS OUT ON LAND.



ecause trash travels, we are all part of the problem—and the solution—whether we live hundreds of miles inland or along the ocean's shores. Trash travels from our hands to a storm drain to a stream to the sea. Many items move around the world on ocean currents, to even the most remote areas in the Antarctic. And trash travels through time; estimates vary, but some items may remain for hundreds or even thousands of years.4

Trash accumulating in our majestic ocean and along our beautiful beaches, riverbanks, and lakeshores is not only ugly, it's dangerous, degrading the ocean environment and harming countless marine animals and birds. It poses risks to our personal health: Paint cans and chemical drums leach toxic materials, diapers and medical waste spread bacteria and germs, and sharp items cut beachgoers. And trash takes a toll on economic health. The Asia-Pacific Economic Cooperation (APEC) found that, in the Asia-Pacific region alone, marine debris was estimated to cost more than US\$ 1 billion a year, from clean-up to boat repairs. 16 Fishing, transportation, and tourism industries around the world feel the impact along with governments and local communities.

Rising population pressures (particularly near coastal areas), inadequate infrastructure and waste management facilities, littering and improper waste disposal, a lack of effective regulatory policies and enforcement, and a wasteful society all contribute to the problem.



#### Trash Travels from Our Hands to Land to Sea

An estimated 60–80 percent of marine debris starts out on land. <sup>14</sup> Clearly, preventing land-based debris can reduce the problem of trash entering our waterways dramatically. Lakes, rivers, and streams form an extensive network—a circulatory system—that can carry trash across continents and straight into the heart of the world's ocean. A beverage can carelessly cast away in a park hundreds of miles inland might blow into a nearby waterway and make it to the ocean.

#### The role of watersheds

A watershed is a region in which all precipitation and all waterways eventually flow together. Picture this: Thirteen major rippling streams and creeks feed into Washington, DC's Anacostia River, each collecting and carrying litter like food wrappers blown or

thrown from land. The Anacostia then merges into the bigger Potomac River, which surges on to Chesapeake Bay and from there to the Atlantic Ocean, ferrying debris all the way. The Anacostia and its tributaries are but a part of the Potomac watershed, which collects trash from an area of over nine million acres encompassing portions of four states and the District of Columbia. Five million people make their home there.<sup>22</sup> And so it goes; there are countless watersheds all over the world, each bearing trash toward the ocean. For this reason, the US Environmental Protection Agency, a leader in marine debris prevention in the US and a long-time Cleanup partner, follows a watershed approach in battling trash that targets the types, sources, and conveyances of marine debris throughout watersheds, not just where it accumulates along shorelines.

#### SIX DEGREES OF SEPARATION

A bag from a store in Tennessee (1) blows from a picnic site (2) into a storm drain (3) to the Mississippi River (4) and travels downriver (5) to the Gulf of Mexico, where it endangers a sea turtle that tries to eat it (6).



#### Storm drains don't just carry rain water

Storm drains are a key portal in the transport of trash. Heavy rains surging along roads, sidewalks, and parking lots sweep up cigarette butts, food wrappers, plastic bottles, and other items carelessly cast aside and carry them into storm sewers. These sewers do not usually flow into municipal water treatment systems, but instead empty directly into nearby waterways. Small, lightweight items are easily borne by the water. For example, volunteers with the International Coastal Cleanup find more cigarette butts than any other single itemmillions of them. Unsightly to look at, slow to degrade, and difficult to clean up, cigarette butts in the water aren't just unsightly; they can clog the digestive tracts of birds, fish, and other animals that eat them.

Another concern is combined sewer systems that connect sewer and storm-water runoff pipes; during heavy rains, these systems can be overwhelmed, causing everything from litter to medical waste, condoms, and tampon applicators to flow directly into local waterways.33 In countries without storm drains, debris washes directly into stream beds, eventually making its way to the ocean.

#### **Trash Circling the Globe Driven by Wind** and Ocean Currents

Marine debris starts out as a local problem, but easily goes global as it circulates thousands of miles in the ocean. How far can it



travel? In 1990, a cargo ship bound for Los Angeles from Korea encountered a storm, and 78,932 Nike™ sneakers were lost at sea. Eight months later, they were washing

up 2,000 miles away on Vancouver Island in Canada. Others drifted south to the Oregon coast. In 1992, another cargo ship, this one en route from Korea to Tacoma, Washington, lost 28,800 colorful plastic bathtub toys. A rainbow flotilla of "rubber duckies," turtles, beavers, and frogs began roaming the seas. Sixteen years later many were still drifting, some as much as 34,000 miles—far enough to circle the planet almost one-and-a-half times 10

Unfortunately, the very traits that make today's modern synthetic materials so useful turn them into ideal ocean travelers. Lightweight and buoyant, yet sturdy items like drinking straws, balloons, and disposable cups easily travel long distances.

#### **Alien hitchhikers**

Marine debris has also become an all-toocommon mode of transport for disruptive invasive species. Living organisms may hitch rides on marine debris and end up in new ecosystems where they can disrupt ecosystem



LEFT: INLAND
CLEANUPS LIKE
THIS ONE ON A
MARYLAND CREEK
ARE CRITICAL
BECAUSE TRASH
CAN TRAVEL ON
TO RIVERS AND
THE SEA.

relationships. Centuries ago, black rats stowed away on ships from Europe and traveled to Hawaii where none lived before. In this environment, without natural predators, the newly arrived species reproduced rapidly and preyed upon native bird populations, exacting a heavy toll.

The same thing occurs today, only the species have changed. The risk of alien invasions is increasing because of the sheer volume of buoyant, man-made debris that can

transport species across vast stretches of ocean—much of this debris ending up in coastal areas where hitchhiker-carrying ships can't reach. One researcher has estimated that marine debris has increased the opportunities for organisms to hitch a ride by two to three times.<sup>3</sup> Once in their new home, they can compete with local species, often without natural predators to keep their populations in check. If they thrive and reproduce, these invasive species can upset key functions of local ecosystems.

#### **GLOBAL SURFACE CURRENTS**





ABOVE: ROPES, OLD FISHING GEAR, AND SIMILAR DEBRIS CAN POSE AN ENTANGLEMENT DANGER TO WILDLIFE AND ALSO DAMAGE BOAT PROPELLERS.

#### **Trash Traveling Through Time**

Like so much of what we put into the ocean, those spilled bathtub toys didn't just travel physically, they traveled through time as well. Think of the useful life of a single-use shopping bag, designed to be the length of your errand, maybe a half-hour, tops. But like so many inexpensive conveniences of our modern world, that bag can find its way to the ocean, taking years to degrade. Once in the water, it might be eaten by an endangered sea turtle that could mistake it for a jellyfish and die. Or it could tangle in a propeller and burn out a boat motor, causing expensive repairs, delays, or safety problems.

Estimates for how long it takes particular items to degrade in the ocean vary widely and more research is needed, but much of the modern-day litter traveling the ocean and washing up on beaches will likely remain for many years into the future. Manufactured goods made from more durable synthetic materials last a lot longer than those once made from biodegradable,

natural materials. And long-lasting debris like lost fishing gear has long-lasting impacts. Nets, buoys, traps, and fishing line are now manufactured with stronger synthetic materials. In the Northwestern Hawaiian Islands, 52 metric tons of fishing gear and other debris-the weight of more than ten Dodge Ram pickup trucks-are estimated to accumulate annually.7 This debris breaks delicate coral reefs, smothers sea life on the ocean floor, and entangles animals like the critically endangered Hawaiian monk seal.



**ABOVE: DISCARDED FISHING LINE HAMPERS** THE ABILITY OF THIS LOGGERHEAD SEA TURTLE HATCHLING TO SWIM AND FEED

"Ghost fishing" occurs when these nets and traps, left untended by fishermen, continue to catch marine life that ultimately dies.

Plastic is a particularly pervasive time traveler. The National Research Council's 2008 report, Tackling Marine Debris in the 21st Century, states that "Marine debris, especially plastic debris, is now ubiquitous in the oceans and along coasts."19 Plastics have improved our lives in many ways, from innumerable technological advances to energy savings and packaging,<sup>2</sup> but it should come as no surprise that there is a wide range of evidence and diversity of scientific opinion about plastics. In fact, an entire issue of the prestigious Philosophical Transactions of the Royal Society B was recently devoted to the theme of "Plastics, the environment, and human health."21

What is clear is that the physical characteristics that make plastics ideal for manufactured items like food containers and packaging low cost, low weight, and durability-also allow them to travel a long time and great distances as debris. This problem is exacerbated in the ocean; most plastics degrade more slowly in water than on land due to reduced exposure to the sun's UV rays and cooler temperatures.1

Some other types of debris-glass, for example—also may persist for long periods of time, but one of the characteristics of plastic products is the tendency to break down into smaller and smaller pieces (less than 5 mm) called "microplastics" over time. Because of their tiny size and light weight, microplastics can circulate and remain physically and biologically available in ocean waters and sediments for a long time, and researchers have identified them as an emerging concern for global conservation of biodiversity.26

Microplastics can come from several sources: Debris items like food containers abrade and disintegrate. Pre-production plastic pellets called "nurdles," which are used in the process of manufacturing finished plastic products, can spill and wash down storm drains and rivers to the ocean or get blown there on the wind. Yet another source is personal hygiene or household products, like exfoliating body scrubs and household cleaners, which contain abrasives made of tiny plastic beads. Virtually invisible to the

# THE MOUNTING COSTS OF TRASH IN OUR OCEAN AND WATERWAYS

AS MORE TRASH TRAVELS TO OUR OCEAN AND WATERWAYS, IT IMPARTS A VARIETY OF SERIOUS IMPACTS—HERE ARE A FEW EXAMPLES:

**TOURISM** When the water and beaches fill with trash, tourists and residents leave, and they take their money with them. Cleaning up beaches, disposing of the waste, and dealing with public health issues are a routine financial drain on communities that depend on tourism. In New York, debris washing up on shore was estimated to cost the state between US\$ 950 million and US\$ 2 billion in lost tourism and other revenue. 19 Estimates to clean the coasts of Peru came to US\$ 2.5 million for cleanup alone, more for necessary equipment. 31

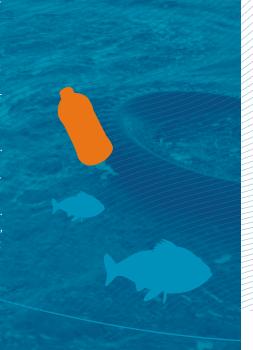
FISHERIES/NAVIGATION When lost nets (some the size of football fields) and traps drift abandoned through the water, they continue to "ghost fish," depleting already stressed populations of marine life. In Indonesia, a huge net found snagged on a coral reef killed more than 100 sea turtles along with sharks and other marine life.29 Large numbers of commercially valuable fish killed in this way may impact local fisheries. 19 In the northeast Atlantic, an estimated US\$ 250 million in marketable lobster is lost each year.31 In the United Kingdom, 92 percent of Shetland fishermen reported recurring problems with debris in nets and that each boat could lose up to US\$ 52,000 per year; the cost to the local industry was estimated as high as US\$ 4.3 million.13 And debris impedes navigation, from fishing boats and pleasure craft to huge cruise ships and tankers. Collisions with debris can scratch or dent hulls. Items like plastic sheeting, bags, and rope break propellers or jam engines, resulting in expensive repairs, delays, and safety hazards as crews dive to try and cut the debris free. Even submarines have been ensnared in huge fishing nets.

#### **PUBLIC HEALTH/WATER QUALITY**

Medical waste washes ashore on a popular vacation beach. Swimmers exposed to bacteria in the water become ill. Syringes, glass, and metal in the sand cut beach walkers. Studies are exploring how medical waste and other debris may carry and release toxic compounds into the water, affecting water quality and possibly the health of living things. For example, new research suggests that as certain kinds of plastic break down in the ocean, they may produce and give off chemical compounds not normally found in nature, compounds in a form that may be more easily assimilated into the bodies of both humans and marine life.24 A study at the University of Athens sought to determine if secondary pollution is caused by leaching of pollutants from litter, and found that trace metals can enter the water from debris,31 which could have implications for human health.

WILDLIFE Dolphins and harbor porpoises in the Black Sea, monk seals in the Mediterranean and Hawaii, and sea turtles in the Red Sea and Indonesia: These are just a few of the over 260 species that have been documented as impacted by either entanglement in or ingestion of marine debris. When wildlife becomes entangled, movements, feeding habits, and reproduction can be greatly impaired. Animals that eat trash can choke or die a slow death because the debris clogs their digestive tracts. Or they may starve because they feel full and stop eating altogether. Marine debris also degrades their home, the ocean environment, by smothering fragile ecosystems.

Ocean Conservancy recently completed a survey of published literature on marine mammal interactions with marine debris, confirming that marine mammal species entangle in and ingest many different types of debris, including derelict fishing gear and plastics. These interactions may be hindering the recovery of at-risk species that are also being stressed by other human activities, including global warming. Of the 12 species listed as critically endangered or endangered on the International Union for the Conservation of Nature (IUCN) Red List, recovery of at least five may be hindered by marine debris impacts. While entanglement in derelict fishing gear and plastic materials like packing straps still seems to be a more likely cause of death, ingestion of fishing gear and plastic debris is increasingly cited as a cause of mortality, especially for small cetaceans such as dolphins and beaked whales.



### Most PLASTICS DEGRADE **MORE SLOWLY IN WATER**

than on land due to reduced exposure to the sun's UV rays and cooler temperatures.

human eye, these minute pieces of plastic go down the drain, through water treatment facilities, and on to the sea. 11,34

Smaller pieces of plastic are more easily consumed by marine life, but more research is needed to understand the effects on animals and marine ecosystems more broadly. What is known, however, suggests reason for concern. For example, laboratory studies indicate that the surfaces of tiny plastic debris can carry and introduce toxic contaminants into animals, such as through marine worms<sup>28</sup> and blue mussels.<sup>5</sup> Also in laboratory studies, crustaceans and amphibians that had eaten plastic pieces exhibited impaired reproduction.20 Scientists have noted changes in both behavior and hormone levels in fish exposed to plasticizers (chemicals added to plastics to aid in the manufacturing process).20 For our part, Ocean Conservancy is doing its best to monitor the latest research findings about plastics in the ocean, and to prevent plastics from becoming marine debris in the first place.



ABOVE: ASTOLINDINGLY ALL OF THIS DEBRIS-INCLUDING CIGARETTE LIGHTERS AND A TOOTHBRUSH-WAS FOUND IN THE CARCASS OF A SINGLE DEAD LAYSAN ALBATROSS FLEDGLING DISCOVERED ON HAWAII'S KURE ATOLL BY RESEARCHER CYNTHIA VANDERSLIP.



LEFT: SEA BIRDS LIKE THIS LAYSAN ALBATROSS ARE ATTRACTED BY SMALL BITS OF **DEBRIS: THEY NOT** ONLY INGEST THIS TRASH THEMSELVES. BUT FEED IT TO THEIR YOUNG.

**ANNUAL ACCUMULATION OF** FISHING GEAR AND OTHER **DEBRIS IN THE NORTHWESTERN HAWAIIAN ISLANDS** 



ABOVE: LOST ROPES AND FISHING GEAR WEIGH DOWN EVEN MIGHTY ANIMALS LIKE THIS GRAY WHALE, AND CAUSE LACERATIONS THAT OPEN THE WAY FOR LIFE-THREATENING INFECTIONS.

# HOW LONG 'TIL IT'S GONE?



# THE PACIFIC GARBAGE PATCH: MYTHS & REALITIES

THE PACIFIC GARBAGE PATCH, THE POPULAR NAME GIVEN TO THE TRASH THAT HAS ACCUMULATED IN THE NORTH PACIFIC SUBTROPICAL GYRE, IS ONE OF SEVERAL AREAS OF HIGHLY-CONCENTRATED MARINE DEBRIS LOCATED IN THE PACIFIC OCEAN. OCEAN AND WIND CURRENTS MOVE IN A CIRCULAR PATTERN THERE, CREATING A VORTEX THAT TRAPS AND CONCENTRATES FLOATING ITEMS IN EVER-INCREASING AMOUNTS.

his spiraling whirlpool of trash between California and Hawaii has captured the imagination of the public—and the attention of the scientific community—since it was first publicized in 1997 by Charles Moore of the Algalita Marine Research Foundation, who came across it while on a sailing trip. The eastern Pacific Garbage Patch is created by one of five ocean gyres worldwide; the Algalita Foundation has conducted extensive research on the Pacific Garbage Patch, and most recently took part in an expedition to the North Atlantic Ocean as part of the new 5 Gyres Initiative to determine if other "garbage patches" are forming; the accumulation of marine debris we have seen in the North Pacific may well be occurring in other ocean realms.

Over time, a few misconceptions about the Garbage Patch have been commonly repeated, and scientists are working to convey accurate information to the public.

MYTH: The Pacific Garbage Patch is twice the size of Texas.

FACT: It is impossible to measure the exact size of a gyre because it is a fluid system that moves constantly. But the fact remains that huge amounts of man-made debris accumulate there

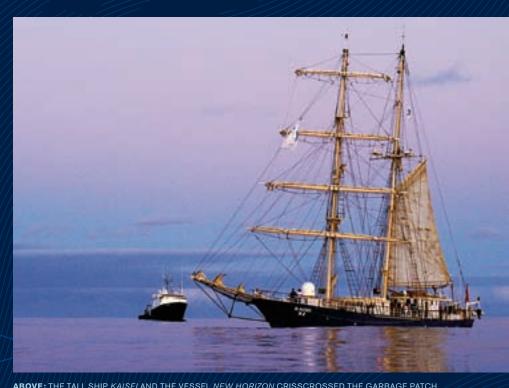
MYTH: The Pacific Garbage Patch is like a big island of floating trash.

FACT: No vast island or blanket of garbage is visible in the North Pacific in aerial photographs or satellite images; the accumulation of trash here is like a chunky soup rather than a solid island of garbage you

could walk across. Varying concentrations of debris occur in different places at different times; there are at least three separate spots in the North Pacific where currents cause large accumulations of trash. While rubber rain boots, toothbrushes, and food containers can be seen, much of the debris has been broken down by wind, sun, and wave action into tiny pieces that are harder to see, many of them plastic. Scientists skimming the water with fine mesh nets have discovered that in some parts of the Garbage Patch, while tiny marine life called plankton is still more abundant than plastic fragments in terms of numbers, plastic outweighs plankton six to one.18

MYTH: The solution is easy, we can just clean it up.

FACT: That's not as simple as it might seem. Finding economically and environmentally viable methods poses a challenge. Locating debris can be tricky because the currents that create the Pacific Garbage Patch shift, moving the litter along with them; time spent searching for it will cost money. Because animals of all sizes, from sea turtles to tiny sea snails, inhabit these trash-laden waters, we can't just scoop up trash without scooping up essential marine life at the same time.



IN 2009 CARRYING RESEARCHERS WHO CONDUCTED AN EXTENSIVE MARINE DEBRIS SURVEY.

#### THE GREAT PACIFIC GARBAGE PATCH





"GREAT PACIFIC
GARABAGE PATCH"
CONVERGENCE ZONE

Mary Crowley, a lifelong sailor and advocate, went further than most upon learning of the Garbage Patch: she resolved to do all that she could to clean it up. "The huge problem of marine debris, which is mainly plastic, happened on our watch," says Crowley, who along with two co-founders established Project Kaisei in 2008. "I feel a responsibility."

In August 2009, Project Kaisei launched its maiden voyage to the Garbage Patch, teaming up with the University of California's Scripps Institution of Oceanography to travel throughout the area gathering marine debris samples, which they are now analyzing. The scientific team on board the tall ship Kaisei recorded a steady increase in debris as the ship moved deeper into the North Pacific Gyre. The Scripps team conducted similar research from a second research boat, *New Horizon*.

"We were 1,000 miles from shore, with no sign of human life for days, yet our human 'footprint' is now apparent there in one of the most remote places on the planet," says Doug Woodring, co-founder and director of Project Kaisei. "It was shocking to see the amount of small pieces of plastic continuously found in all of our 100 nets, in over 1,200 miles of sampling. This should be a message to everyone that our consumption patterns, and ways in which we dispose of products, have failed us. The water in our oceans is like blood for our planet. If we continue to fill it with toxic materials such as plastic, it will be to the detriment of all life on Earth."

One idea scientists are exploring is whether the debris can be efficiently cleaned up and converted to fuel or some other useful material. Project Kaisei has already tested some methods that can be used with low energy input and low impacts on marine life, and is ready to test them on a larger scale during a second expedition in the summer of 2010.

Research about this critical region is on the rise along with concern about overall ocean health. With support from Ocean Conservancy and The Coca-Cola Company, researchers at Duke University in North Carolina are compiling all current research on the Pacific Garbage Patch and other similar accumulations of marine debris in order to make a full assessment. They will also evaluate costs and the degree of effectiveness of cleanup options. The growing body of research about the Pacific Garbage Patch will lend itself to a greater understanding of marine debris worldwide.

The reality is that marine debris is now recognized as a major pollution problem around the world—and the Garbage Patch is an ideal living laboratory for investigating the nature of the problem, impacts on water quality and marine life, and science-based solutions. The Garbage Patch has alerted us to the fact that the ocean is not infinite; we can't just throw trash in it and expect that trash to disappear. Now we know that trash isn't just accumulating on beaches, but also out in the remotest parts of the ocean. What we learn from the Garbage Patch can help us protect the ocean as a whole—and ourselves— from harmful impacts.

# SPONSORING PARTNERS



The International Coastal Cleanup could not take place without the GENEROUS SUPPORT of our DEDICATED partners.





#### THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

#### A LEADER IN MARINE DEBRIS PREVENTION

ince 2005, cutting-edge work by the NOAA Marine Debris Program (MDP) has moved the cause forward dramatically. The federal program, tasked by the 2006 Marine Debris Research, Prevention and Reduction Act with protecting the US marine environment from the harmful effects of debris, has partnered with the International Coastal Cleanup since its inception.

NOAA program staff are committed to finding science-based solutions to marine debris. NOAA's research about marine debris has helped inform the public about this issue. Educational materials available online at www.marinedebris.noaa.gov explain the science in everyday language. The NOAA MDP supports innovative projects such as "Fishing for Energy" and "Nets to Energy," which convert old fishing gear—a major marine debris problem—into electricity. NOAA is also leading efforts to plan the 5th International Marine Debris Conference, likely

to be held in early 2011. The conference will provide a much-needed opportunity to share knowledge and work toward global solutions.

The NOAA MDP contributes experience as well as funding for Cleanup outreach and education. NOAA MDP experts share invaluable research and insights with Cleanup staff, and employees get personally involved by participating in Cleanup events in Seattle, Honolulu, and Washington, DC. In 2009, over 170 NOAA employees and family members participated.

"Our goal is to make sure people learn about marine debris, and are engaged and empowered to make a change," says Dr. Holly Bamford, director of the NOAA Marine Debris Program. "The International Coastal Cleanup network allows us to do that across the country and around the world and NOAA is proud to partner with Ocean Conservancy in its Cleanup efforts."

Our goal is to make sure people learn about marine debris, and are engaged and empowered to make a change.

**Dr. Holly Bamford** DIRECTOR OF THE NOAA MARINE DEBRIS PROGRAM



**ABOVE:** "GHOST FISHING" OCCURS WHEN LOST FISHING GEAR CATCHES MARINE LIFE, WHICH IS THEN DOOMED TO PERISH.



ABOVE: DR. HOLLY BAMFORD PITCHES IN AT THE ANACOSTIA RIVER CLEANUP IN WASHINGTON. DC

#### **ALTRIA GROUP, INC**

### ADDRESSING THE NUMBER ONE ITEM FOUND **DURING THE INTERNATIONAL COASTAL CLEANUP**

n 1999, an employee of Philip Morris USA learned that during the International Coastal Cleanup, volunteers around the world pick up more cigarette butts each year than any other item-millions of them. The company took action, calling to ask Ocean Conservancy how they could help, and a partnership was born. Today, Philip Morris USA, which is owned by Altria Group, works to help smokers dispose of smoking-related items properly. "Research shows that often, smokers don't think of cigarette butts as litter," says Alisia Rudd, senior manager of corporate responsibility for Altria.

Altria provides funding for materials and other support for the thousands of Cleanup events worldwide, helping modernize our data collection and event registration systems, and supplying travel stipends to help coordinators who might not otherwise be able to attend the annual Coordinators' Conference. Most recently, an Altria-funded pilot project provided new insights into working with people to change behaviors that cause marine debris. And hundreds of employees of Altria's companies give of themselves each year at Cleanup events. Altria also supports community prevention programs with Keep America Beautiful (another Cleanup partner).

At the 2009 Cleanup in Washington, DC, Alisia saw the scope of the watershed litter problem firsthand. "I saw a lot of cigarette butts, but I also saw a lot of food packaging, bottles, cans, rubber tires-all kinds of

things," she says. "And I realized that no single entity can solve the problem alone. It will take a combined effort of corporations, individuals, and organizations to educate people about the impacts of their behavior."

It will take a combined effort of corporations, individuals, and organizations to educate people about the impacts of their behavior.

Alisia Rudd SENIOR MANAGER OF CORPORATE RESPONSIBILITY, ALTRIA CLIENT SERVICES



# SPONSORS EXPLAIN THEIR COMMITMENT TO THE CLEANUP

#### THE COCA-COLA COMPANY

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

#### **BANK OF AMERICA**

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

#### ALTRIA GROUP, INC.

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

#### **BOOZ ALLEN HAMILTON**

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

#### THE DOW CHEMICAL COMPANY

"Dow is proud to have sponsored the Cleanup efforts for the last 24 years. We value our relationship with Ocean Conservancy and their dedication in developing global solutions and public education needed to change the behaviors that cause marine debris and litter."

#### NOAA

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

### BRUNSWICK PUBLIC FOUNDATION

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

#### ORACLE

"Oracle is proud to support the Cleanup. Hundreds of Oracle Volunteers worldwide rally annually to help protect the health of our oceans, beaches, and waterways."

### US ENVIRONMENTAL PROTECTION AGENCY

"For 24 years, the Environmental Protection Agency has been proud to sponsor the Cleanup, allowing volunteers to witness how trash from streets travels to our waterways."

The statements above recognize the leading sponsoring partners of the International Coastal Cleanup. For the complete sponsor list, please see page 55.

# VOLUNTEER COORDINATORS

#### **AND SPONSORS**

Coordinators, at the heart of the International Coastal Cleanup, make an EXTRAORDINARY CONTRIBUTION of their time and energy all year long. They encourage sponsor support, recruit hundreds of thousands of volunteers, and ENSURE THAT THE CLEANUP RUNS SMOOTHLY. They also make sure the all-important data reaches Ocean Conservancy.



#### 2009 CLEANUP COUNTRY AND LOCATION COORDINATORS

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**Daniel Rolleri** 

Asociación ReCrear

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Anita Knowles, D'Shan Maycock (Abaco)

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del Medio Ambiente

Joanne Marston, Joanna McNamara
Asia Pacific

Dominic Ziegler, Daniela Mülheim

Furone

**Domino Albert, Suzanne Pleydell** 

International

### SPOTLIGHT

COUNTRY COORDINATOR, JAPAN

#### AZUSA KOJIMA

Co-Founder and Director, Japan Environmental Action Network, Japan

As an eight-year-old, Azusa Kojima collected cherry shells during school outings to the beach. "I brought those precious treasures home with great care," she recalls. "The beaches in Japan were free of trash then—unlike today."

Azusa is a person who faces challenges head-on. When she noticed litter on the ground where she lives, she picked it up on her daily walks and also designed reusable shopping bags. In 1990 when she heard about the first International Coastal Cleanup (ICC) event in Japan, she contacted the coordinator. As she learned about the impacts of trash on the ocean through materials from Ocean Conservancy, she knew she had to do more. Together, they founded the non-profit Japan Environmental Action Network (JEAN), and the achievements over the past two decades have been phenomenal.

As JEAN celebrates its 20th anniversary with the ICC, this longtime partner has grown the event from 800 volunteers at 80 sites at the first event to about 13,000 participants at more than 200 sites today. Clearly, the ICC has captured attention across this nation cradled by the ocean. JEAN also lobbied for a law giving local governments responsibility for removing and disposing of trash along shorelines—and got it, a historymaking accomplishment for a small, non-governmental organization.

"It is very exciting to be able to join the global action of the ICC while working where you live," says Azusa, who explains that her current challenge is getting people to realize they are responsible for marine litter: "There is a lot in the media about trash reaching Japanese shores from other countries, but people seem unaware of Japanese trash flowing from land out into the ocean. We want to turn that around and promote the perception of marine debris as the responsibility of our entire global society."

Michihisa Kimizuka, Kensuke Nukui

Japan

#### **PUERTO RICO**

Alberto Martí

Scuba Dogs Society

#### REPUBLIC OF KOREA

Sun Wook Hong

Our Sea of East Asia Network

Yana Yu. Blinovskava (Ph.D)

Sea Protection Institute Maritime State University

#### SINGAPORE

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Raffles Museum of Biodiversity Research, NUS

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#### **Heather Hitt (St. Thomas)**

University of the Virgin Islands-VIMAS

#### Audrey Penn (St. John)

Friends of Virgin Islands National Park

#### URUGUAY

Cristina Quintas

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**Deborah Bigio FUDENA** 

Thu Hue Nguyen, Vu Thu Hang

Centre for Marinelife Conservation and Community Development

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Center for Alaskan Coastal Studies

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# Pelema Kolise

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# SPOTI IGHT

# ICC STATE COORDINATOR, MICHIGAN

# JAMIE CROSS

Acting Adopt-a-Beach™ Manager, Alliance for the Great Lakes, US

Because trash travels from rivers, lakes. and streams to the ocean, International Coastal Cleanup (ICC) events are held on shorelines everywhere. As Jamie Cross will tell you, the Great Lakes, the world's greatest freshwater resource, are no exception. Jamie has been Michigan ICC coordinator for eight years, since becoming involved through her job with the Alliance for the Great Lakes, a nonprofit that works on lake conservation and restoration through policy and education. The Alliance has a special focus on involving local residents. That's an ideal match for the hands-on ICC, and Jamie has helped the Cleanup grow and make a profound difference over the years.

"The Alliance for the Great Lakes has participated in the ICC in Michigan since 1991," says Jamie. The events range in size from a couple of people working together in a remote area to a crowd of 200. In Michigan, Jamie and the Alliance organized 2,455 volunteers who removed 6,203 pounds of trash in 2009—115,309 debris items in all. Jamie works to promote awareness and increase participation in the ICC by working closely with local media. "The ICC does two things," she explains. "It improves the health of the beaches and shorelines, because volunteers remove debris, and it also helps connect people to the resources in their backyard, in this case the Great Lakes. Then they become better stewards, and take action beyond that day at the beach."

Jamie says the ICC has a visible impact on awareness: "I see more and more people picking up trash on their own through my years of involvement with the Cleanup." And keeping trash out of the Great Lakes makes a truly great difference for the ocean

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Hawaii Ocean Safety Team, H.O.S.T.

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Maine Coastal Program

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The Paragon Carousel

Cape Cod Potato Chips

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Michigan Department

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Coastal Management Program

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KWBF Radio

Beatrice Daily Sun

Raitgan-Schottler Manufacturing

Shew Towing

Hul's Towing

Walmart Super Center

Cedar River Stabilization Committee

Nebraska H20 org

Loup Basin RC&D

# **NEW HAMPSHIRE**

New Hampshire Coastal Program/

New Hampshire Department

of Environmental Services

Waste Management

NextEra Energy Seabrook Station

Coca-Cola

Starbucks Coffee

Poland Spring

Portsmouth Regional Hospital

Wentworth-Douglass Hospital

Exeter Hospital

Celebrity Sandwich

# **NEW YORK**

New York City Environmental Fund

National Grid Foundation

Max & Victoria Dreyfus Foundation National Fish & Wildlife Foundation

Consolidated Edison

Josh & Judy Weston

NextEraEnergyResources

Richmond County Savings Bank

Patagonia

Frank J. Antun Foundation

# **NORTH CAROLINA**

Philip Morris USA

Reynolds American

Duke Power

First Citizens Bank

WGHP Fox 8

WLOS-TV 13

WNCT-TV 9

WRAL-TV 5

WWAY-TV3

Ohio Lake Erie Commission

Ohio Department of Natural Resources

Friends of Magee Marsh

Village of Put-in-Bay

Cleveland Zoo Crew

Brunswick Green Advisory Group

Tucket Ellis & West, LLP

Mentor Marsh Nature Center

Ann Rapose

# **OREGON**

Oregon State Parks and

Recreation Department

Fred Meyer

Portland General Electric

Wells Fargo

AAA of Oregon

Alaska Brewing Co./

Columbia Distributing

Confederated Tribes of the Grand Ronde

Hawthorne Farm Athletic Club

Pelican Pub & Brewery/

Inn at Cape Kiwanda

Curry Coastal Pilot

# **PENNSYLVANIA**

Verizon TelecomPioneers

Laurel Foundation

Lord Corporation Waste Management Inc.

Pur Blu Beverages

PennDOT

Pennsylvania Department

of Environmental Protection

**PACleanways** 

Coca-Cola

Blue Mountain Outfitters

# **RHODE ISLAND**

ABC 6

Audubon Society of Rhode Island

Dunkin' Donuts

Fidelity Investments

Lowes

National Grid

Rhode Island Mobile

Sportfishermen

Washington Trust

# **SOUTH CAROLINA**

Applied Technology & Management

**BP** Cooper River Plant

Charleston City Marina Charleston Water System

Coastal Expeditions

**Duke Energy Foundation** 

Mount Pleasant Waterworks

Ocean Conservancy S.C. State Ports Authority

Walmart Market 123

# SOUTH DAKOTA

# Underwater

Black Hills Scuba/

Scott & Tammi Williams

# Beach/Shoreline

Murdo's

Dairy Dock

Chesterman Coke

Keep Yankton Beautiful

US Coast Guard Auxiliary

Corps of Engineers, Gavins Point Project

Mount Mart College

Yankton Unit Boys' & Girls' Club

First United Methodist Youth Group

# **TEXAS**

Shell Oil Company

**Newfield Foundation** 

Halliburton

Johnson Controls Inc.

Flint Hills Resources Community Action Council

Clean Virginia Waterways

Longwood University

Altria Group Inc.

Glad Trash Bags

Virginia Department of

Conservation & Recreation

Virginia Department of Environmental Quality

# WASHINGTON

Pacific Northwest 4 Wheel Drive Assoc.

Washington State Parks & Recreation

Commission

Department of Ecology NOAA

ReSources

Puget Soundkeeper Alliance

Seattle Parks Brem-Air Disposal Inc.

Grays Harbor Commissioners

Kitsap Diving Assoc.

# & Washington Scuba Alliance

WISCONSIN Wisconsin Coastal Management Program Milwaukee Metropolitan Sewerage District



# THE MARINE DEBRISINGEX

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.



# **Terminology**

# SEE TABLE BELOW FOR THE DEFINITION OF TERMS USED THROUGHOUT THE REPORT:

# **Inland Cleanup**

This type of Cleanup site borders waterways that are located inland, such as rivers, lakes, streams, and ponds. It is not located on the ocean.

# **Coastal Cleanup**

This type of Cleanup site borders the ocean.

# **Land Cleanup**

A Cleanup that was conducted on a beach or waterway.

# **Underwater Cleanup**

A Cleanup that was conducted underwater by certified scuba divers.

# **Watercraft Cleanup**

A Cleanup that was conducted offshore by watercraft, including kayaks, canoes, sailboats, and motorboats.

# ( - ) in a chart

Data were not collected.

# 0 in a chart

The quantity of the data collected was equal to zero.

# **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**

The pounds determined for a country, location, or US state are weighed if the resource to determine weight is available. Where scales are not available, coordinators estimate at 15 pounds a bag.

# **Miles**

The miles determined for a country, location, or US state are the sum of the estimated distances of each Cleanup site within the country, location, or state. The distance for a Cleanup site is the estimated number of miles from where volunteers started work to the point where they ended. The distance for a Cleanup site is not the sum of all distances covered by all volunteers at a Cleanup site.

TRASH TRAVELS

# Methodology and Research Notes

40

cean Conservancy, in conjunction with its international and US volunteer coordinators, has collected data during the International Coastal Cleanup since 1986 within the US and internationally since 1989. 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:

SHORELINE & RECREATIONAL ACTIVITIES: indiscriminate and intentional littering by beachgoers, picnickers, participants at waterside sports and festival events washing down creeks and rivers, and litter carried from streets, drains, gutters, and culverts.

OCEAN/WATERWAY ACTIVITIES: improper handling of solid wastes from recreational fishing/boating, subsistence/commercial fishing and shipping, military ships, cruise ships, and offshore oil and gas rigs.

**SMOKING-RELATED ACTIVITIES:** improper disposal and littering of smoking-related materials and packaging.

**DUMPING ACTIVITIES:** improper disposal of building and construction materials, drums, tires, cars/car parts, household trash, and appliances.

MEDICAL/PERSONAL HYGIENE: materials discarded into sewer systems, dumped into storm drains (along roadways and culverts) and toilets, or left behind by beachgoers.

tarting in 2008, we separated out plastic and paper bags, bringing the number of items tracked to 43. This categorization of the data and volunteer collection is used in 2009. 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, territory, 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: Data are analyzed by Ocean Conservancy staff. Data are broken down by country, territory, and US state using reports generated by the Online Data Collection and Reporting Tool. Country, territory, and US state geographic designations are made using the CIA World Factbook, www.cia.gov/ library/publications/the-world-factbook/ geos/uk.html. Data are also analyzed by regions which are determined using the UN Statistical Division, http://unstats.un.org/ unsd/methods/m49/m49regin.htm.

LIMITATIONS OF THE DATA: Data are collected by volunteers, not by paid staff or researchers, on a single day in more than 100 countries and territories. Ocean Conservancy currently produces data cards in seven languages; data collection could be more complete with more options, and additional translations are pending. In order to maximize data return, Ocean Conservancy asks for estimates of measurements such as pounds and miles. The totals represented in this report are only what was shared with Ocean Conservancy, and are likely higher due to under-reporting. Weather events can impact planned events and may decrease data return for any country, territory, or US state in any given year.

INTERPRETATION OF THE DATA: The data collected provide a snapshot of what was removed from a certain location, on a certain day, by volunteers. The data also provide a local picture of sources and debris items found in US states, countries and territories, and regions of the world, and trends in debris sources, quantities, and types over time. Due to the large sample and long-term, global nature of the collection, the data are effective for educating the public, business, industry, and government officials about the sources and types of marine debris.

S. C.	
Start a Sea Change	Ocean Conservancy®

COUNTRY OR LOCATION	ARGENTINA	ARUBA	AUSTRALIA	AUSTRIA	BAHAMAS	BAHAMAS	BAHAMAS	BAHAMAS	BAHAMAS	BAHRAIN	BANGLADESH	BARBADOS	BELGIUM	BELIZE	BRAZIL	BRITISH VIRGIN	BRITISH VIRGIN
	ANGENTINA	ANODA	ROOTHALIA	AGOTTIIA						DAMIAN	DANGERDEON	BANDADOO	DELGIONI	BELIZE	BHALIL	ISLANDS	ISLANDS
ISLAND (IF AVAILABLE)					ANDROS	EXUMA	GRAND BAHAMA ISLAND	NASSAU	TOTAL							NORMAN ISLAND	SALT ISLAND
SHORELINE & RECREATIONAL ACTIONAL																	
Bags (paper)	1,076	25	539	8	0	0	0	586	586	5	569	0	21	477	3,017	0	0
Bags (plastic)	1,926	202	10,044	23	0	0	10	609	619	13	381	62	66	3,340	19,194	48	2
Balloons	38	0	292	2	0	0	0	8	8	0	32	0	2	57	759	0	0
Beverage Bottles (plastic)	6,522	137	3,030	28	0	2	242	1,147	1,391	85	370	47	43	2,282	11,594	33	500
Beverage Bottles (glass)	229	130	2,173	17	1,000	1	44	1,368	2,413	124	179	46	25	926	4,500	154	60
Beverage Cans	117	118	1,987	45	0	0	72	1,439	1,511	193	502	9	39	506	18,508	108	30
Caps, Lids	1,022	83	2,936	4	0	0	2	572	574	0	714	88	1	2,381	12,120	0	183
Clothing, Shoes	148	5	751	8	0	0	4	451	455	2	138	0	8	319	1,768	23	42
Cups, Plates, Forks, Knives, Spoons	238	15	1,280	14	0	0	141	717	858	95	2,493	0	10	1,511	12,053	12	0
Food Wrappers/Containers	902	150	5,838	17	0	2	3	215	220	47	9,426	52	5	1,223	9,747	0	52
Pull Tabs	13	0	803	2	0	0	0	6	6	0	287	0	0	61	1,839	0	0
6-Pack Holders	13	6	175	0	0	0	0	5	5	0	0	0	2	48	1,502	0	0
Shotgun Shells/Wadding	4	0	34	0	0	0	0	297	297	0	0	0	0	13	40	0	0
Straws, Stirrers	292	12	1,823	10	0	0	0	90	90	0	1,463	0	6	710	25,016	2	0
Toys	42	10	191	7	0	0	2	44	46	1	49	0	2	76	440	2	7
TOTAL	12,582	893	31,896	185	1,000	5	520	7,554	9,079	565	16,603	304	230	13,930	122,097	382	876
OCEAN/WATERWAY ACTIVITIES																	
Bait Containers/Packaging	14	5	331	10	0	0	0	22	22	0	19	0	0	13	52	0	0
Bleach/Cleaner Bottles	58	5	79	0	0	0	0	41	41	2	6	4	5	212	940	0	35
Buoys/Floats	16	0	41	0	0	1	0	9	10	0	37	0	1	92	550	0	12
Crab/Lobster/Fish Traps	19	0	31	0	0	0	1	26	27	0	62	0	0	36	34	0	0
Crates	17	0	58	0	0	0	0	14	14	0	0	0	2	10	146	0	2
Fishing Line	54	5	1,248	0	0	0	6	19	25	7	49	33	8	14	263	5	0
Fishing Lures/Light Sticks	13	2	287	20	0	0	0	11	11	0	3	0	0	26	105	0	1
Fishing Nets	29	0	134	14	0	0	0	22	22	0	98	0	98	1	111	0	35
Light Bulbs/Tubes	29	0	7	0	0	0	9	33	42	0	11	0	1	6	154	0	10
Oil/Lube Bottles	77	0	79	10	0	1	0	59	60	22	13	0	6	88	490	0	75
Pallets	4	0	20	0	0	0	2	2	4	0	0	0	0	57	492	0	0
Plastic Sheeting/Tarps	63	3	132	0	0	0	2	46	48	0	141	0	6	67	352	0	4
Rope	104	1	486	11	0	1	7	107	115	12	86	17	15	36	435	11	32
Strapping Bands	33	0	123	8	0	0	0	20	20	0	14	5	5	17	140	0	0
TOTAL	530	21	3,056	73	0	3	27	431	461	43	539	59	147	675	4,264	16	206
SMOKING-RELATED ACTIVITIES																	
Cigarettes/Cigarette Filters	4,189	573	7,094	0	0	0	0	84	84	0	9,683	0	32	231	32,463	0	3
Cigarette Lighters	70	4	516	5	0	0	0	42	42	0	44	0	2	19	366	0	0
Cigar Tips	127	0	217	0	0	0	0	62	62	0	2	0	0	184	23	0	0
Tobacco Packaging/Wrappers	349	65	670	0	0	0	1	21	22	2	458	0	7	57	2,014	2	0
TOTAL	4,735	642	8,497	5	0	0	1	209	210	2	10,187	0	41	491	34,866	2	3
DUMPING ACTIVITIES	3,100	3.1_	3,101				-			_	10,101				- 1,000	_	
Appliances (refrigerators, washers, etc.)	20	0	18	5	0	0	17	60	77	0	0	0	1	3	33	0	6
Batteries	28	10	93	3	0	0	0	51	51	0	96	0	0	36	295	2	0
Building Materials	89	48	114	0	0	0	76	1,015	1,091	0	18	0	14	72	1,605	0	
				8		0						0	14				50
Cars/Car Parts	17	1	26 7	4	0	0	0	451	451	0	0		0	21	105	0	0
55-Gallon Drums	4	0			0		0	3	3		0	0		2		0	1
Tires	24	2	42	2	0	0	8	29	37	2	9	2	0	36	184	0	0
TOTAL ASSESSMENT HANGESTE	182	61	300	22	0	0	101	1,609	1,710	2	123	2	16	170	2,254	2	57
MEDICAL/PERSONAL HYGIENE		_		_				.=	.=						.=-	_	
Condoms	106	5	15	3	0	0	0	47	47	1	37	0	0	96	173	2	1
Diapers	56	2	568	0	0	0	0	17	17	0	4	0	0	128	151	5	0
Syringes	8	0	40	0	0	0	0	1	1	0	26	0	0	32	187	0	0
Tampons/Tampon Applicators	22	10	51	0	0	0	0	3	3	0	0	0	0	24	209	1	0
TOTAL	192	17	674	3	0	0	0	68	68	1	67	0	0	280	720	8	1
DEBRIS ITEM TOTALS	18,221	1,634	44,423	288	1,000	8	649	9,871	11,528	613	27,519	365	434	15,546	164,201	410	1,143

COUNTRY OR LOCATION	BRITISH VIRGIN Islands	BRITISH VIRGIN Islands	BRITISH VIRGIN Islands	CAMBODIA	CANADA	CAPE VERDE	CAYMAN Islands	CAYMAN Islands	CAYMAN Islands	CHILE	CHINA	COLOMBIA	COOK ISLANDS	COSTA RICA	CROATIA	CYPRUS	DENMARK
ISLAND (IF AVAILABLE)	TORTOLA	VIRGIN GORDA	TOTAL				GRAND CAYMAN	LITTLE CAYMAN	TOTAL				RAROTONGA				
SHORELINE & RECREATIONAL ACT	TIVITIES																
Bags (paper)	93	16	109	50	27,682	18	78	0	78	3,363	99	1,080	7	260	21	12	81
Bags (plastic)	193	115	358	500	70,712	352	294	350	644	7,744	469	5,688	90	5,312	16	353	734
Balloons	11	0	11	5	6,706	0	25	0	25	504	10	15	0	19	0	27	1
Beverage Bottles (plastic)	527	220	1,280	100	36,711	402	402	9	411	2,522	217	5,574	138	40,444	7	429	351
Beverage Bottles (glass)	543	40	797	50	29,282	991	269	5	274	2,171	365	3,627	70	3,894	43	324	455
Beverage Cans	418	65	621	22	38,953	150	308	0	308	3,896	139	3,052	123	4,008	75	481	406
Caps, Lids	324	130	637	1	59,527	126	327	16	343	5,314	188	2,461	93	26,390	90	949	988
Clothing, Shoes	85	5	155	2	9,935	172	120	5	125	966	66	415	38	8,160	11	162	119
Cups, Plates, Forks, Knives, Spoons	267	19	298	21	38,643	0	218	8	226	1,702	216	1,322	53	3,158	7	212	160
Food Wrappers/Containers	302	1	355	0	108,358	23	229	14	243	5,222	384	3,942	80	2,532	72	205	349
Pull Tabs	14	1	15	0	10,281	0	39	0	39	479	44	173	9	66	14	319	35
6-Pack Holders	17	0	17	0	2,930	0	62	0	62	422	30	95	3	153	21	18	0
Shotgun Shells/Wadding	0	0	0	0	2,090	0	5	0	5	47	10	5	0	32	0	3	0
Straws, Stirrers	181	7	190	0	28,322	27	152	8	160	820	102	1,280	64	6,209	0	280	1,088
Toys	5	0	14	0	6,174	54	56	2	58	329	22	133	6	573	5	138	64
TOTAL	2,980	619	4,857	751	476,306	2,315	2,584	417	3,001	35,501	2,361	28,862	774	101,210	382	3,912	4,831
OCEAN/WATERWAY ACTIVITIES	,		,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Bait Containers/Packaging	1	0	1	0	3,540	0	16	6	22	111	19	14	0	48	1	20	10
Bleach/Cleaner Bottles	73	0	108	1	940	2	10	0	10	175	5	63	6	1,391	3	33	39
Buoys/Floats	12	12	36	0	2,764	2	19	0	19	437	274	70	2	1,022	5	16	24
Crab/Lobster/Fish Traps	0		0	0	475	16	1	1	2	91	0	30	0	11	16	9	15
Crates	6	7	15	0	411	15	11	0	11	78	6	4	0	43	2	3	5
Fishing Line	1	2	8	3	4,190	56	87	9	96	403	129	451	12	76	42	322	22
Fishing Lures/Light Sticks	2	10	13	0	1,135	0	10	1	11	180	1	331	0	224	0	20	7
Fishing Nets	3		41	6	823	59	19	0	19	376	124	79	0	94	5	18	47
Light Bulbs/Tubes	2	5	17	0	457	0	1	0	1	144	8	39	0	74	0	13	27
Oil/Lube Bottles	39	1	115	0	1,216	0	15	0	15	230	4	38	0	1,483	0	22	6
Pallets	2	6	8	0	278	0	18	0	18	86	10	0	0	22	1	5	1
Plastic Sheeting/Tarps	45	151	200	0	4,423	45	17	0	17	1,127	42	924	15	172	1	45	12
Rope	23	38	104	2	8,044	32	43	6	49	1,682	158	220	13	370	32	177	1,077
Strapping Bands	4	0	4	0	3,319	0	1	3	4	231	15	40	0	13	0	86	2
TOTAL	213	235	670	12	32,015	227	268	26	294	5,351	795	2,303	48	5,043	108	789	1,294
SMOKING-RELATED ACTIVITIES			0.0		02,010					3,001		_,,		0,010		100	1,201
Cigarettes/Cigarette Filters	143	2	148	0	335,771	478	484	6	490	14,891	678	2,552	879	2,912	50	5,332	2,455
Cigarette Lighters	7		8	0	3,539	16	49	0	49	673	127	180	7	801	2	49	98
Cigar Tips	2		2	0	16,259	2	25	0	25	2,296	7	37	0	73	0	48	0
Tobacco Packaging/Wrappers	15	1	18	0	18,599	20	104	3	107	1,782	26	566	44	160	72	52	105
TOTAL	167	4		0	374,168	516	662	9	671	19,642	838	3,335	930	3,946	124	5,481	2,658
DUMPING ACTIVITIES	107	7	170	Ū	374,100	310	002	9	071	19,042	030	3,333	930	3,940	124	3,461	2,038
	2		45	_	004	40	^	0	0	00		00	^	00	_	0	^
Appliances (refrigerators, washers, etc.)	9		15	0	1 480	49	0	0	0	30	1	28	2	30	2	3	0
Batteries  Building Metaviole	3		6	2	1,480	14	20	0	20	908	8	27	21	298	20	22	
Building Materials	67	12	129	0	11,542	66	164	0	164	865	10	147	0	482	4	54	11
Cars/Car Parts	8		9	0	2,226	13	14	0	14	40	3	40	3	128	2	6	4
55-Gallon Drums	0		2	0	131	0	2	0	2	15	2	1	0	9	0	0	27
Tires	12		12	1	1,137	6	9	0	9	84	11	101	3	85	32	11	7
TOTAL	99	15	173	3	16,900	148	209	0	209	1,942	35	344	29	1,032	60	96	55
MEDICAL/PERSONAL HYGIENE																	
O							30	2	32	215	108	16	0	51	0	12	11
Condoms	6		9	6	2,413	19										-	
Diapers	10	0	15	0	1,305	1	22	0	22	408	12	207	3	64	0	17	105
Diapers Syringes	10	0	15	0	1,305 1,115	1 4	22	0	22	44	3	12	3	162	0	17	1
Diapers Syringes Tampons/Tampon Applicators	10 0 12	0 0	15 0 13	0 0 0	1,305 1,115 3,222	1 4 7	22 6 7	0 1 0	22 7 7	44	3 18	12 7	3 0 0	162 48	0 0 0	17 11 9	1 0
Diapers Syringes	10	0	15	0	1,305 1,115	1 4	22	0	22	44	3	12	3	162	0	17	1

COUNTRY OR LOCATION	DOMINICAN Republic	EAST TIMOR	ECUADOR	EGYPT	EL SALVADOR	ESTONIA	FIJI	FINLAND	FRANCE	GERMANY	GHANA	GIBRALTAR	GREECE	GRENADA	GUAM	GUATEMALA	HONDURAS
ISLAND (IF AVAILABLE)																	
SHORELINE & RECREATIONAL ACTIVIT	IES																
Bags (paper)	26,173	0	18,309	288	0	6	211	2	203	642	25	0	42	667	42	0	0
Bags (plastic)	52,963	36	18,325	6,628	700	16	184	34	598	1,588	3,639	20	1,718	4,251	8,080	643	80
Balloons	3,056	0	1,509	31	5	0	2	0	5	52	13	0	3	28	245	13	0
Beverage Bottles (plastic)	63,378	1,881	61,937	6,530	370	25	254	41	189	2,404	113	50	10,465	11,735	8,448	135	85
Beverage Bottles (glass)	27,181	199	17,840	1,619	60	15	32	1,145	251	2,484	36	60	358	2,081	9,362	64	53
Beverage Cans	17,996	69	9,316	1,360	15	14	29	883	91	1,825	32	50	10,516	717	21,909	268	60
Caps, Lids	49,758	0	57,560	1,978	870	15	129	64	612	1,693	457	0	248	2,180	6,782	96	333
Clothing, Shoes	32,640	415	10,094	3,761	70	9	328	42	28	666	210	0	77	189	1,917	16	58
Cups, Plates, Forks, Knives, Spoons	27,188	2	25,226	489	290	11	73	389	97	1,441	95	0	5,352	2,528	6,051	46	56
Food Wrappers/Containers	23,774	298	16,571	3,049	0	3	47	26	209	2,336	974	20	1,378	4,027	5,096	65	19
Pull Tabs	3,571	0	10,972	254	0	7	12	3	15	477	27	0	64	12	1,062	192	0
6-Pack Holders	3,554	0	5,681	59	0	2	0	0	1	194	0	0	6	24	825	0	0
Shotgun Shells/Wadding	2,887	0	296	7	0	0	0	1	16	55	0	2	3	0	72	0	0
Straws, Stirrers	20,841	8	13,696	277	0	7	66	0	476	399	670	15	1,119	423	1,409	0	50
Toys	6,010	6	2,470	87	30	4	14	2	2	225	37	1	45	29	466	12	40
TOTAL	360,970	2,914	269,802	26,417	2,410	134	1,381	2,632	2,793	16,481	6,328	218	31,394	28,891	71,766	1,550	834
OCEAN/WATERWAY ACTIVITIES																	
Bait Containers/Packaging	1,968	0	2,287	310	0	1	0	10	5	110	12	0	20	25	133	16	0
Bleach/Cleaner Bottles	8,370	0	4,922	92	0	0	5	0	7	247	7	10	32	39	199	4	11
Buoys/Floats	2,130	1,214	8,926	87	0	0	4	2	8	74	6	0	38	6	86	3	20
Crab/Lobster/Fish Traps	624	0	1,000	34	0	0	100	1	7	66	2	0	8	5	83	15	5
Crates	1,968	0	751	10	0	4	0	0	6	16	0	0	10	0	72	0	0
Fishing Line	525	10	5,530	1,551	0	3	6	3	26	184	37	15	176	12	421	300	15
Fishing Lures/Light Sticks	2,363	0	505	170	0	0	6	20	18	196	0	0	18	2	64	3	0
Fishing Nets	752	4	3,928	131	0	0	18	8	27	104	25	0	22	8	118	1	3
Light Bulbs/Tubes	7,566	0	1,761	36	0	0	11	2	5	55	6	0	26	38	110	0	0
Oil/Lube Bottles	10,036	0	7,040	58	20	0	5	11	6	116	13	0	23	66	200	0	10
Pallets	542	0	1,539	3	0	0	0	13	3	19	1	0	5	1	72	0	0
Plastic Sheeting/Tarps	3,352	0	3,333	79	0	2	7	2	4	265	37	0	6	37	867	23	7
Rope	2,986	13	26,128	202	40	11	23	5	526	235	71	1	59	44	413	2	16
Strapping Bands	1,810	0	1,155	186	0	0	3	16	0	147	47	0	10	3	293	95	0
TOTAL	44,992	1,241	68,805	2,949	60	21	188	93	648	1,834	264	26	453	286	3,131	462	87
SMOKING-RELATED ACTIVITIES																	
Cigarettes/Cigarette Filters	18,846	0	35,157	2,654	90	8	177	53	1,865	2,304	28	0	10,721	92	9,301	136	235
Cigarette Lighters	1,539	83	3,517	234	0	1	11	8	34	343	6	0	1,052	5	375	24	22
Cigar Tips	1,454	0	701	358	0	0	29	39	0	120	13	0	141	5	1,308	0	0
Tobacco Packaging/Wrappers	1,153	7	2,453	189	0	4	44	8	11	414	13	0	193	75	1,070	0	40
TOTAL	22,992	90	41,828	3,435	90	13	261	108	1,910	3,181	60	0	12,107	177	12,054	160	297
DUMPING ACTIVITIES																	l
Appliances (refrigerators, washers, etc.)	896	0	986	4	0	0	3	18	0	60	0	0	7	39	180	0	3
Batteries	1,493	0	4,962	122	0	0	0	23	1	135	1	0	16	19	656	29	30
Building Materials	1,461	1	1,630	174	0	22	27	16	7	901	44	0	107	283	612	16	20
Cars/Car Parts	661	0	351	23	0	9	5	20	7	120	4	0	16	27	257	0	6
55-Gallon Drums	951	0	152	0	0	0	0	1	1	20	1	0	0	4	74	0	0
Tires	708	2	369	19	2	39	3	25	0	53	15	0	25	27	194	3	3
TOTAL	6,170	3	8,450	342	2	70	38	103	16	1,289	65	0	171	399	1,973	48	62
MEDICAL/PERSONAL HYGIENE	2,480	0	3,776	7	0	0	0	1	12	76	32	0	10	49	85	28	5
Condoms			264	39	0	0	12	0	2	121	9	0	32	35	536	0	10
Condoms Diapers	2,746	0															
Condoms Diapers Syringes	1,982	0	409	0	0	0	0	0	5	26	20	0	2	0	10	0	5
Condoms Diapers Syringes Tampons/Tampon Applicators	1,982 681	0 3	409 474	6	0	0	7	0	17	84	16	1	15	6	44	6	5
Condoms Diapers Syringes	1,982	0	409														



Page   Page	2,131 5,196 225 3,512 1,367 1,605 1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	146 407 12 1,064 536 402 534 390 112 374 13 0 17 140 24 4,171	61 218 9 199 126 126 985 160 301 601 112 14 13 105 10
Bags (paper)   11,709   0   20,534   349   0   34   442   5,887   13,267   4   241   33   1   27	5,196 225 3,512 1,367 1,605 1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	407 12 1,064 536 402 534 390 112 374 13 0 17 140	218 9 199 126 126 985 160 301 601 112 14 13 105
Bags (paper)	5,196 225 3,512 1,367 1,605 1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	407 12 1,064 536 402 534 390 112 374 13 0 17 140	218 9 199 126 126 985 160 301 601 112 14 13 105
Bags (plastic) 16,149 45 30,042 2,202 217 499 1,444 21,511 1,140 30 315 120 34 25 Balloone 1,300 0 5,877 217 0 0 0 97 553 1,014 0 22 0 0 0 0 Bewrape Botties (plastic) 10,241 210 11,977 1,134 160 568 1,432 32,209 15,089 96 358 43 40 17 Bewrape Botties (glassi) 6,742 76 11,639 711 144 288 1,104 6,305 8,602 32 579 18 111 80 Bewrape Cans 6,396 128 8,748 813 130 78 1,384 4,428 8,436 148 164 48 20 43 Capp, Lids 116,744 141 14,100 1,009 401 105 602 15,663 14,603 26 74 111 0 40 Clothing, Shoes 4,492 4 11,659 668 35 70 203 5,402 2,639 13 431 6 2 7 Cupe, Plates, Forks, knives, Spoons 6,334 11 9,417 199 0 411 306 13,887 1,669 2,588 134 44 52 2,44 Food Whappers/Containers 16,040 17 18,288 1,348 100 266 661 7,447 19,349 5 231 8 31 12 Pull Tabs 773 25 1,225 488 0 44 116 1,072 1,081 0 39 0 0 0 2 6-Fack Holders 390 0 2,493 883 0 0 0 16 90 35 0 42 2 2 0 0 3 Straws, Silvers 9,874 2 9,624 307 200 8 422 3,541 3,909 13 70 0 3 0 0 8 Straws, Silvers 9,874 2 9,624 307 200 8 422 3,541 3,909 13 70 0 0 2 2  TOTAL 10,480 1,486 1 8,804 21 0 6 191 200 504 9 50 0 4 2 2 0 0 2 Basch/Cleaner Botties 477 13 7,866 178 5 3 136 804 1,237 12 52 2 0 0 2	5,196 225 3,512 1,367 1,605 1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	407 12 1,064 536 402 534 390 112 374 13 0 17 140	218 9 199 126 126 985 160 301 601 112 14 13 105
Balloons	225 3,512 1,367 1,605 1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	12 1,064 536 402 534 390 112 374 13 0 17 140	9 199 126 126 985 160 301 601 112 14 13 105
Bewerage Bottles (plastic)   10,241   210   11,977   1,134   160   568   1,432   32,299   15,089   96   358   43   40   177	3,512 1,367 1,605 1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	1,064 536 402 534 390 112 374 13 0 17 140	126 126 985 160 301 601 112 14 13 105
Beverage Bottles (glass) 6,742 76 11,639 716 114 268 1,104 6,305 8,602 32 579 18 11 8 0 Beverage Cans 6,396 128 8,748 813 130 78 1,344 4,428 8,436 148 164 48 20 43 Caps, Lids 16,744 141 14,100 1,009 401 105 602 15,653 14,603 26 74 111 0 40 Clothing, Shoes 4,492 4 11,659 668 35 70 203 5,402 2,639 13 431 6 2 70 Cups, Plates, Forks, Knives, Spoons 6,334 11 9,417 169 0 41 396 13,857 1,659 258 134 4 52 24 Cups, Plates, Forks, Knives, Spoons 16,040 17 18,255 1,348 100 266 661 7,447 19,349 5 231 8 31 12 Pull Tabs 773 25 1,225 486 0 4 116 1,072 1,081 0 39 0 0 21 6-Pack Holders 390 0 2,493 833 0 0 0 16 90 35 0 42 2 2 0 2 2 8 8 8 8 8 8 9 9 9,447 85 2 9,624 307 200 8 42 2 3,541 3,909 13 70 0 2 2 0 8 8 8 8 8 8 8 9 9,947 85 2 4 120 671 2,767 1 6 1 0 2 2 0 10 10 10 10 10 10 10 10 10 10 10 10 1	1,367 1,605 1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	536 402 534 390 112 374 13 0 17 140 24	126 126 985 160 301 601 112 14 13 105
Beverage Cans   6,396   128   8,748   813   130   78   1,384   4,428   8,436   148   164   48   20   43	1,641 780 1,681 4,713 169 40 36 2,294 302 25,692	534 390 112 374 13 0 17 140	985 160 301 601 112 14 13 105
Caps, Lids 16,744 141 14,100 1,009 401 105 602 15,653 14,603 26 74 111 0 40 40 Clothing, Shoes 4,492 4 11,659 668 35 70 203 5,402 2,639 13 431 6 2 7 7 Cups, Plates, Forks, Knives, Spoons 6,334 11 9,417 169 0 41 396 13,857 1,659 258 134 4 552 24 Food Wrappers/Containers 16,040 17 18,285 1,348 100 266 661 7,447 19,349 5 231 8 31 12 Pull Tabs 773 25 1,225 486 0 4 116 1,072 1,081 0 39 0 0 0 21 6-Pack Holders 390 0 2,493 833 0 0 0 16 90 35 0 42 2 0 0 2 Shotgus Shells/Wadding 833 0 720 1113 0 0 6 8 422 3,541 3,909 13 70 0 0 8 Straws, Stirrers 9,874 2 9,624 307 200 8 422 3,541 3,909 13 70 0 0 2 TOTAL 109,480 668 166,287 10,449 1,359 1,945 8,502 118,590 93,668 626 2,719 294 193 308 OCEAN/WATERWAY ACTIVITIES  Bait Containers/Packaging 1,436 1 8,604 21 0 6 191 200 504 9 50 0 4 2 2 0 0 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	780 1,681 4,713 169 40 36 2,294 302 25,692	390 112 374 13 0 17 140 24	160 301 601 112 14 13 105
Cups, Plates, Forks, Knives, Spoons         6,334         11         9,417         169         0         41         396         13,857         1,659         258         134         4         52         24           Food Wrappers/Containers         16,040         17         18,285         1,348         100         266         661         7,447         19,349         5         231         8         31         12           Pull Tabs         773         25         1,225         486         0         4         116         1,072         1,081         0         39         0         0         21           6-Pack Holders         390         0         2,493         833         0         0         16         90         35         0         42         2         0         2           Shotgun Shells/Wadding         833         0         720         113         0         0         63         74         78         0         13         0         0         8           Straws, Stirrers         9,874         2         9,624         307         200         8         422         3,541         3,909         13         70         0         2	1,681 4,713 169 40 36 2,294 302 <b>25,692</b>	112 374 13 0 17 140 24	301 601 112 14 13 105
Food Wrappers/Containers   16,040   17   18,285   1,348   100   266   661   7,447   19,349   5   231   8   31   12     Pull Tabs   773   25   1,225   486   0   4   116   1,072   1,081   0   39   0   0   0   21     6-Pack Holders   390   0   2,493   833   0   0   0   16   90   35   0   42   2   0   2     Shotgun Shells/Wadding   833   0   720   113   0   0   63   74   78   0   13   0   0   8     Straws, Stirrers   9,874   2   9,624   307   200   8   422   3,541   3,909   13   70   0   2   0     Toys   1,463   9   9,947   85   2   4   120   671   2,767   1   6   1   0   2      TOTAL   109,480   668   166,287   10,449   1,359   1,945   8,502   118,590   93,668   626   2,719   294   193   308     OCEAN/WATERWAY ACTIVITIES	4,713 169 40 36 2,294 302 <b>25,692</b>	374 13 0 17 140 24	601 112 14 13 105
Pull Tabs         773         25         1,225         486         0         4         116         1,072         1,081         0         39         0         0         21           6-Pack Holders         390         0         2,493         833         0         0         16         90         35         0         42         2         0         2           Shotgun Shells/Wadding         833         0         720         113         0         0         63         74         78         0         13         0         0         8           Straws, Stirrers         9,874         2         9,624         307         200         8         422         3,541         3,909         13         70         0         2         0           Toys         1,463         9         9,947         85         2         4         120         671         2,767         1         6         1         0         2           TOTAL         109,480         668         166,287         10,449         1,359         1,945         8,502         118,590         93,668         626         2,719         294         193         308 <t< td=""><td>169 40 36 2,294 302 <b>25,692</b></td><td>13 0 17 140 24</td><td>112 14 13 105 10</td></t<>	169 40 36 2,294 302 <b>25,692</b>	13 0 17 140 24	112 14 13 105 10
6-Pack Holders 390 0 2,493 833 0 0 0 16 90 35 0 42 2 0 0 2 Shotgun Shells/Wadding 833 0 720 1113 0 0 63 74 78 0 13 0 0 0 8 Straws, Stirrers 9,874 2 9,624 307 200 8 422 3,541 3,909 13 70 0 2 0 Toys 1,463 9 9,947 85 2 4 120 671 2,767 1 6 1 0 2 TOTAL 109,480 668 166,287 10,449 1,359 1,945 8,502 118,590 93,668 626 2,719 294 193 308  OCEAN/WATERWAY ACTIVITIES  Bait Containers/Packaging 1,436 1 8,604 21 0 6 191 200 504 9 50 0 4 2 Sleach/Cleaner Bottles 477 13 7,546 175 5 3 136 804 1,237 12 52 2 0 0 2	40 36 2,294 302 <b>25,692</b>	0 17 140 24	14 13 105 10
Shotgun Shells/Wadding         833         0         720         113         0         0         63         74         78         0         13         0         0         8           Straws, Stirrers         9,874         2         9,624         307         200         8         422         3,541         3,909         13         70         0         2         0           Toys         1,463         9         9,947         85         2         4         120         671         2,767         1         6         1         0         2           TOTAL         109,480         668         166,287         10,449         1,359         1,945         8,502         118,590         93,668         626         2,719         294         193         308           OCEAN/WATERWAY ACTIVITIES           Bait Containers/Packaging         1,436         1         8,604         21         0         6         191         200         504         9         50         0         4         2           Bleach/Cleaner Bottles         477         13         7,546         175         5         3         136         804         1,237         12	36 2,294 302 <b>25,692</b>	17 140 24	13 105 10
Straws, Stirrers         9,874         2         9,624         307         200         8         422         3,541         3,909         13         70         0         2         0           Toys         1,463         9         9,947         85         2         4         120         671         2,767         1         6         1         0         2           TOTAL         109,480         668         166,287         10,449         1,359         1,945         8,502         118,590         93,668         626         2,719         294         193         308           OCEAN/WATERWAY ACTIVITIES           Bait Containers/Packaging         1,436         1         8,604         21         0         6         191         200         504         9         50         0         4         2           Bleach/Cleaner Bottles         477         13         7,546         175         5         3         136         804         1,237         12         52         2         0         2	2,294 302 <b>25,692</b>	140	105 10
Toys 1,463 9 9,947 85 2 4 120 671 2,767 1 6 1 0 2  TOTAL 109,480 668 166,287 10,449 1,359 1,945 8,502 118,590 93,668 626 2,719 294 193 308  OCEAN/WATERWAY ACTIVITIES  Bait Containers/Packaging 1,436 1 8,604 21 0 6 191 200 504 9 50 0 4 2  Bleach/Cleaner Bottles 477 13 7,546 175 5 3 136 804 1,237 12 52 2 0 2	302 <b>25,692</b> 72	24	10
TOTAL         109,480         668         166,287         10,449         1,359         1,945         8,502         118,590         93,668         626         2,719         294         193         308           OCEAN/WATERWAY ACTIVITIES           Bait Containers/Packaging         1,436         1         8,604         21         0         6         191         200         504         9         50         0         4         2           Bleach/Cleaner Bottles         477         13         7,546         175         5         3         136         804         1,237         12         52         2         0         2	<b>25,692</b>		
OCEAN/WATERWAY ACTIVITIES           Bait Containers/Packaging         1,436         1         8,604         21         0         6         191         200         504         9         50         0         4         2           Bleach/Cleaner Bottles         477         13         7,546         175         5         3         136         804         1,237         12         52         2         0         2	72	4,171	3,040
Bait Containers/Packaging     1,436     1     8,604     21     0     6     191     200     504     9     50     0     4     2       Bleach/Cleaner Bottles     477     13     7,546     175     5     3     136     804     1,237     12     52     2     0     2			
Bleach/Cleaner Bottles 477 13 7,546 175 5 3 136 804 1,237 12 52 2 0 2			
		26	27
Buoys/Floats 1,013 0 1,266 41 50 0 44 136 2,273 0 111 3 0 0	60	36	0
	668	735	3
Crab/Lobster/Fish Traps         265         3         1,942         8         2         1         100         129         429         2         40         0         2         0	116	17	0
Crates         672         4         2,154         57         0         0         72         74         83         4         18         0         0         0	7	1	1
Fishing Line 933 18 3,177 310 5 50 806 269 1,162 29 23 4 1 20	126	662	6
Fishing Lures/Light Sticks 1,561 2 6,152 83 0 0 215 48 2,092 31 15 0 1 4	54	200	5
Fishing Nets 1,001 3 3,450 16 221 0 29 239 421 0 51 3 3 0	65	35	52
Light Bulbs/Tubes         358         0         5,870         42         0         6         36         156         188         3         38         2         0         0	62	21	0
Oil/Lube Bottles         311         6         12,193         55         18         0         80         689         82         8         51         7         0         0	103	12	1
Pallets 605 0 604 6 0 1 4 23 43 2 10 4 0 0	4	0	1
Plastic Sheeting/Tarps 11,364 0 3,419 196 0 3 48 493 368 5 31 13 0 16	130	225	4
Rope 6,308 7 4,230 266 215 4 443 476 11,586 5 85 4 1 3	567	342	10
Strapping Bands         1,028         0         1,528         19         0         2         36         87         944         8         16         0         0         4	269	112	0
TOTAL 27,332 57 62,135 1,295 516 76 2,240 3,823 21,412 118 591 42 12 51	2,303	2,424	110
SMOKING-RELATED ACTIVITIES			
Cigarettes/Cigarette Filters         16,321         34         14,388         2,790         0         26         3,353         2,096         51,077         204         68         0         2         30	12,082	564	1,585
Cigarette Lighters         1,402         9         1,469         174         0         12         79         1,207         2,394         28         23         5         0         0	312	85	3
Cigar Tips         352         0         2,274         752         0         0         327         619         847         0         7         0         0         0	342	0	0
Tobacco Packaging/Wrappers         10,896         0         21,273         823         100         56         162         455         1,829         63         8         4         5         0	1,467	72	122
TOTAL         28,971         43         39,404         4,539         100         94         3,921         4,377         56,147         295         106         9         7         30	14,203	721	1,710
DUMPING ACTIVITIES			
Appliances (refrigerators, washers, etc.) 182 0 472 21 1 8 25 178 214 3 0 4 0 0	29	1	0
Batteries 884 8 2,378 122 3 5 100 123 410 25 21 1 1 1 2	122	83	34
Building Materials 14,481 0 2,808 174 5 163 357 747 3,486 10 13 9 0 24	1,157	571	2
Cars/Car Parts         201         3         954         26         4         4         59         631         102         2         6         1         5         0	22	8	5
55-Gallon Drums 61 0 484 4 0 0 0 2 22 20 1 6 1 0 0 0	1	0	4
Tires 268 4 678 77 9 4 208 164 302 8 10 22 8 0	11	15	39
TOTAL         16,077         15         7,774         424         22         184         751         1,865         4,534         49         56         38         14         26	1,342	678	84
MEDICAL/PERSONAL HYGIENE			
Condoms         873         0         850         181         0         0         27         606         25         0         104         7         0         0	26	0	1
Diapers 192 0 3,370 172 3 13 30 896 35 23 8 4 0 0	162	14	143
Syringes         235         0         3,261         22         0         0         0         69         233         0         20         1         0         0	34	0	0
Tampons/Tampon Applicators 369 0 483 127 7 0 124 85 23 17 4 0 0 0	4	0	1
TOTAL 1,669 0 7,964 502 10 13 181 1,656 316 40 136 12 0 0	226	14	145
DEBRIS ITEM TOTALS         183,529         783         283,564         17,209         2,007         2,312         15,595         130,311         176,077         1,128         3,608         395         226         415	43,766	8,008	5,089

ISLAND (II AVAILABLE)					DONAIIL	UUNAUAU	ОНИН	OI. MIAAIIILN	TOTAL				IIUIA	OAITAN	TINIAN	TOTAL	
SHORELINE & RECREATIONAL ACTIVI	TIES																
Bags (paper)	0	0	7,005	1,136	31	0	3	867	901	216	124	14,791	516	483	185	1,184	82
Bags (plastic)	75	2,003	26,109	2,274	87	6	38	1,305	1,436	2,580	644	95,561	580	4	54	638	150
Balloons	0	0	1,159	99	0	0	4	53	57	26	20	1,046	152	38	0	190	13
Beverage Bottles (plastic)	734	24	34,839	883	38	18	1,739	1,934	3,729	628	752	70,797	2,181	2,748	233	5,162	70
Beverage Bottles (glass)	101	27	10,346	1,204	13	11	307	2,224	2,555	482	826	13,599	1,520	583	264	2,367	34
Beverage Cans	24	10	5,229	756	36	97	113	1,509	1,755	794	691	10,934	1,432	1,356	1,049	3,837	94
Caps, Lids	102	30	29,055	957	0	6	829	1,738	2,573	229	685	19,272	745	2,956	241	3,942	125
Clothing, Shoes	55	1	4,431	831	8	4	171	312	495	149	88	16,525	143	291	20	454	18
Cups, Plates, Forks, Knives, Spoons	230	0	21,512	244	0	15	70	2,227	2,312	168	289	12,215	820	323	1,387	2,530	38
Food Wrappers/Containers	155	20	8,992	388	0	10	75	1,147	1,232	606	759	13,224	662	417	712	1,791	211
Pull Tabs	1	10	1,067	42	0	0	0	103	103	193	58	585	116	12	1,104	1,232	26
6-Pack Holders	97	30	2,270	84	0	0	2	123	125	22	18	324	136	52	314	502	1
Shotgun Shells/Wadding	0	0	185	50	0	0	0	22	22	28	6	45	2	21	0	23	3
Straws, Stirrers	28	8	5,896	207	24	0	8	793	825	254	263	10,191	281	350	534	1,165	80
Toys	4	10	1,090	191	0	0	13	45	58	217	175	2,923	68	44	5	117	10
TOTAL	1,606	2,173	159,185	9,346	237	167	3,372	14,402	18,178	6,592	5,398	282,032	9,354	9,678	6,102	25,134	955
OCEAN/WATERWAY ACTIVITIES																	
Bait Containers/Packaging	0	1	196	45	0	0	10	39	49	247	81	82	6	10	0	16	3
Bleach/Cleaner Bottles	25	6	1,242	109	0	0	28	72	100	709	39	2,385	36	58	4	98	24
Buoys/Floats	33	0	373	35	0	0	25	6	31	5	19	548	16	66	0	82	11
Crab/Lobster/Fish Traps	1	0	80	172	0	0	1	14	15	2	10	218	4	31	1	36	4
Crates	1	2	127	37	0	0	16	10	26	3	20	174	2	1	1	4	6
Fishing Line	5	40	938	692	0	2	11	22	35	59	645	576	100	22	2	124	304
Fishing Lures/Light Sticks	0	0	294	119	0	7	2	1	10	17	160	330	10	4	0	14	17
Fishing Nets	33	1	356	354	0	0	5	9	14	18	73	670	12	5	0	17	36
Light Bulbs/Tubes	4	20	232	30	0	0	3	27	30	209	2	412	8	26	2	36	3
Oil/Lube Bottles	31	50	950	72	0	0	33	34	67	6	19	2,439	86	29	4	119	3
Pallets	0	0	129	17	0	0	4	66	70	3	1	32	4	2	1	7	4
Plastic Sheeting/Tarps	1	0	702	217	0	0	3	177	180	2,407	74	805	25	30	0	55	40
Rope	65	100	3,059	909	0	3	45	99	147	73	194	956	109	45	2	156	134
Strapping Bands	12	5	465	95	0	1	7	23	31	19	27	148	54	7	5	66	42
TOTAL	211	225	9,143	2,903	•			F00		3,777	1,364	9,775	4=0			830	631
SMOKING-RELATED ACTIVITIES			•	2,000	0	13	193	599	805	-,	,	9,113	472	336	22		
Cigarettes/Cigarette Filters				2,000	O I	13	193	599	805	3,- 1-1	,,,	9,773	4/2	336	22		
Cigarette Lighters	10	0	41,329	1,019	102	0	1 <b>93</b>	2,099	2,229	834	1,319	5,043	1,318	1,111	3,050	5,479	344
Cigar Tips	10	0	41,329 616	•												5,479 112	344
о r	0	0		1,019	102	0	28	2,099	2,229	834 155 88	1,319	5,043	1,318	1,111 69 0	3,050	112	
Tobacco Packaging/Wrappers	0 0 28	0 0 0	616 2,848 1,635	1,019 63 209 81	102 12 0	0 0 0	28 22 0 3	2,099 37 592 139	2,229 71 592 142	834 155 88 127	1,319 67 1,118	5,043 401 2,926 2,927	1,318 40 204 88	1,111 69 0 82	3,050 3 0 1,309	112 204 1,479	4 0 15
Tobacco Packaging/Wrappers  TOTAL	0	0	616 2,848	1,019 63 209	102 12 0	0 0	28 22 0	2,099 37 592	2,229 71 592	834 155 88	1,319 67 1,118	5,043 401 2,926	1,318 40 204	1,111 69 0	3,050 3 0	112	4
Tobacco Packaging/Wrappers	0 0 28	0 0 0 0	616 2,848 1,635	1,019 63 209 81 <b>1,372</b>	102 12 0	0 0 0	28 22 0 3	2,099 37 592 139 <b>2,867</b>	2,229 71 592 142 <b>3,034</b>	834 155 88 127 <b>1,204</b>	1,319 67 1,118	5,043 401 2,926 2,927	1,318 40 204 88 <b>1,650</b>	1,111 69 0 82	3,050 3 0 1,309 <b>4,362</b>	112 204 1,479 <b>7,274</b>	4 0 15
Tobacco Packaging/Wrappers  TOTAL	0 0 28 38	0 0 0 0	616 2,848 1,635 <b>46,428</b> 310	1,019 63 209 81 <b>1,372</b>	102 12 0 0 114	0 0 0 0 0	28 22 0 3 <b>53</b>	2,099 37 592 139 <b>2,867</b>	2,229 71 592 142 <b>3,034</b>	834 155 88 127 <b>1,204</b>	1,319 67 1,118 146 <b>2,650</b>	5,043 401 2,926 2,927	1,318 40 204 88 <b>1,650</b>	1,111 69 0 82 1,262	3,050 3 0 1,309	112 204 1,479 <b>7,274</b>	4 0 15
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries	0 0 28 38	0 0 0 <b>0</b>	616 2,848 1,635 <b>46,428</b> 310 541	1,019 63 209 81 <b>1,372</b>	102 12 0 0 114	0 0 0 0 0	28 22 0 3 <b>53</b> 0 21	2,099 37 592 139 <b>2,867</b>	2,229 71 592 142 3,034	834 155 88 127 <b>1,204</b> 3	1,319 67 1,118 146 <b>2,650</b> 1	5,043 401 2,926 2,927 <b>11,297</b> 191 1,029	1,318 40 204 88 <b>1,650</b> 8	1,111 69 0 82 1,262	3,050 3 0 1,309 <b>4,362</b>	112 204 1,479 <b>7,274</b> 9	4 0 15 <b>363</b> 8 1
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)	0 0 28 38	0 0 0 0	616 2,848 1,635 <b>46,428</b> 310	1,019 63 209 81 <b>1,372</b>	102 12 0 0 114	0 0 0 0 0	28 22 0 3 <b>53</b>	2,099 37 592 139 <b>2,867</b>	2,229 71 592 142 <b>3,034</b>	834 155 88 127 <b>1,204</b>	1,319 67 1,118 146 <b>2,650</b>	5,043 401 2,926 2,927 <b>11,297</b>	1,318 40 204 88 <b>1,650</b>	1,111 69 0 82 1,262	3,050 3 0 1,309 <b>4,362</b>	112 204 1,479 <b>7,274</b>	4 0 15 <b>363</b>
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries	0 0 28 38	0 0 0 <b>0</b>	310 541 1,298 548	1,019 63 209 81 <b>1,372</b>	102 12 0 0 114	0 0 0 0 0	28 22 0 3 <b>53</b> 0 21	2,099 37 592 139 <b>2,867</b>	2,229 71 592 142 3,034	834 155 88 127 <b>1,204</b> 3	1,319 67 1,118 146 <b>2,650</b> 1	5,043 401 2,926 2,927 <b>11,297</b> 191 1,029	1,318 40 204 88 <b>1,650</b> 8	1,111 69 0 82 1,262	3,050 3 0 1,309 <b>4,362</b> 0	112 204 1,479 <b>7,274</b> 9 131 519 47	4 0 15 363 8 1 45
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums	0 0 28 38 0 0 0 0	0 0 0 0 0 0 0 2 0	310 541 1,298 548 50	1,019 63 209 81 1,372 12 22 238 33 10	102 12 0 0 114	0 0 0 0 0 0	28 22 0 3 <b>53</b> 0 21 99 14	2,099 37 592 139 2,867  15 16 403 49 0	2,229 71 592 142 3,034 15 37 502 63 0	834 155 88 127 1,204 3 36 103 8	1,319 67 1,118 146 <b>2,650</b> 1 51 90 38	5,043 401 2,926 2,927 11,297 191 1,029 414 51 37	1,318 40 204 88 1,650 8 58 470 44 0	1,111 69 0 82 1,262 1 72 48 2	3,050 3 0 1,309 4,362 0 1 1 1	9 131 519 47 2	4 0 15 363 8 1 45 0
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires	0 0 28 38 0 0 0 0	0 0 0 0 0 0 0 2 0 1 2	310 541 1,298 548 50 328	1,019 63 209 81 1,372  12 22 238 33 10 65	102 12 0 0 114	0 0 0 0 0 0 0 0 0	28 22 0 3 <b>53</b> 0 21 99 14 0	2,099 37 592 139 <b>2,867</b> 15 16 403 49 0	2,229 71 592 142 3,034 15 37 502 63 0 24	834 155 88 127 <b>1,204</b> 3 36 103 8 1	1,319 67 1,118 146 2,650 1 51 90 38 0 22	5,043 401 2,926 2,927 <b>11,297</b> 191 1,029 414 51 37 521	1,318 40 204 88 1,650 8 58 470 44 0 34	1,111 69 0 82 1,262 1 72 48 2 1	3,050 3 0 1,309 <b>4,362</b> 0 1 1 1 1	9 131 519 47 2 42	4 0 15 363 8 1 45 0
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL	0 0 28 38 0 0 0 0	0 0 0 0 0 0 0 2 0	310 541 1,298 548 50	1,019 63 209 81 1,372 12 22 238 33 10	102 12 0 0 114	0 0 0 0 0 0	28 22 0 3 <b>53</b> 0 21 99 14	2,099 37 592 139 2,867  15 16 403 49 0	2,229 71 592 142 3,034 15 37 502 63 0	834 155 88 127 1,204 3 36 103 8	1,319 67 1,118 146 <b>2,650</b> 1 51 90 38	5,043 401 2,926 2,927 11,297 191 1,029 414 51 37	1,318 40 204 88 1,650 8 58 470 44 0	1,111 69 0 82 1,262 1 72 48 2	3,050 3 0 1,309 4,362 0 1 1 1	9 131 519 47 2	4 0 15 363 8 1 45 0
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires	0 0 28 38 0 0 0 0	0 0 0 0 0 0 0 2 0 1 2	616 2,848 1,635 46,428 310 541 1,298 548 50 328 3,075	1,019 63 209 81 1,372  12 22 238 33 10 65 380	102 12 0 0 114	0 0 0 0 0 0 0 0 0	28 22 0 3 <b>53</b> 0 21 99 14 0	2,099 37 592 139 2,867  15 16 403 49 0 11 494	2,229 71 592 142 3,034 15 37 502 63 0 24 641	834 155 88 127 <b>1,204</b> 3 36 103 8 1	1,319 67 1,118 146 2,650 1 51 90 38 0 22	5,043 401 2,926 2,927 <b>11,297</b> 191 1,029 414 51 37 521	1,318 40 204 88 1,650 8 58 470 44 0 34	1,111 69 0 82 1,262 1 72 48 2 1	3,050 3 0 1,309 <b>4,362</b> 0 1 1 1 1	9 131 519 47 2 42 <b>750</b>	4 0 15 363 8 1 45 0
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL	0 0 28 38 0 0 0 0 0 0	0 0 0 0 0 0 0 2 0 1 2	616 2,848 1,635 46,428  310 541 1,298 548 50 328 3,075	1,019 63 209 81 1,372  12 22 238 33 10 65 380	102 12 0 0 114	0 0 0 0 0 0 0 0 0	28 22 0 3 <b>53</b> 0 21 99 14 0	2,099 37 592 139 <b>2,867</b> 15 16 403 49 0	2,229 71 592 142 3,034 15 37 502 63 0 24 641	834 155 88 127 1,204 3 36 103 8 1 25 176	1,319 67 1,118 146 2,650 1 51 90 38 0 22	5,043 401 2,926 2,927 <b>11,297</b> 191 1,029 414 51 37 521	1,318 40 204 88 1,650 8 58 470 44 0 34	1,111 69 0 82 1,262 1 72 48 2 1	3,050 3 0 1,309 4,362 0 1 1 1 3 7	9 131 519 47 2 42 <b>750</b>	4 0 15 363 8 1 45 0 10 7
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE	0 0 28 38 0 0 0 0 0	0 0 0 0 0 0 2 0 1 2 5	616 2,848 1,635 46,428 310 541 1,298 548 50 328 3,075	1,019 63 209 81 1,372  12 22 238 33 10 65 380	102 12 0 0 114	0 0 0 0 0 0 0 0 0 0	28 22 0 3 53 0 21 99 14 0 12	2,099 37 592 139 2,867  15 16 403 49 0 11 494	2,229 71 592 142 3,034 15 37 502 63 0 24 641	834 155 88 127 1,204 3 36 103 8 1 25	1,319 67 1,118 146 <b>2,650</b> 1 51 90 38 0 22 <b>202</b>	5,043 401 2,926 2,927 11,297 191 1,029 414 51 37 521 2,243	1,318 40 204 88 1,650  8 58 470 44 0 34 614	1,111 69 0 82 1,262 1 72 48 2 1 5	3,050 3 0 1,309 4,362 0 1 1 1 1 3	9 131 519 47 2 42 <b>750</b>	4 0 15 363 8 1 45 0 10 7
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE  Condoms	0 0 28 38 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 2 0 1 2 5	616 2,848 1,635 46,428 310 541 1,298 548 50 328 3,075 568 1,828 283	1,019 63 209 81 1,372  12 22 238 33 10 65 380	102 12 0 0 114 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1 1	28 22 0 3 53 0 21 99 14 0 12 146	2,099 37 592 139 2,867  15 16 403 49 0 11 494  85 59	2,229 71 592 142 3,034 15 37 502 63 0 24 641 85 59	834 155 88 127 1,204 3 36 103 8 1 25 176	1,319 67 1,118 146 2,650  1 51 90 38 0 22 202	5,043 401 2,926 2,927 11,297 191 1,029 414 51 37 521 2,243 978 2,595 573	1,318 40 204 88 1,650  8 58 470 44 0 34 614	1,111 69 0 82 1,262 1 72 48 2 1 5 129	3,050 3 0 1,309 4,362  0 1 1 1 1 27 0	112 204 1,479 7,274 9 131 519 47 2 42 750	4 0 15 363 8 1 45 0 10 7
Total  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE  Condoms  Diapers	0 0 28 38 38 38 38 38 38 38 38 38 38 38 38 38	0 0 0 0 0 0 0 2 0 1 2 5	616 2,848 1,635 46,428  310 541 1,298 548 50 328 3,075  568 1,828 283 176	1,019 63 209 81 1,372  12 22 238 33 10 65 380  195 52 3 15	102 12 0 0 114 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1 1	28 22 0 3 53 0 21 99 14 0 12 146	2,099 37 592 139 2,867  15 16 403 49 0 11 494  85 59 1	2,229 71 592 142 3,034 15 37 502 63 0 24 641 85 59 2 26	834 155 88 127 1,204 3 36 103 8 1 25 176 1 6 0 9	1,319 67 1,118 146 2,650  1 51 90 38 0 22 202  71 4 24	5,043 401 2,926 2,927 11,297 191 1,029 414 51 37 521 2,243	1,318 40 204 88 1,650  8 58 470 44 0 34 614	1,111 69 0 82 1,262 1 72 48 2 1 5 129	3,050 3 0 1,309 4,362  0 1 1 1 1 27 0 8	112 204 1,479 7,274 9 131 519 47 2 42 750	4 0 15 363 8 1 45 0 10 7 71
Tobacco Packaging/Wrappers  TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE  Condoms  Diapers  Syringes	0 0 28 38 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 2 0 1 2 5	616 2,848 1,635 46,428 310 541 1,298 548 50 328 3,075 568 1,828 283	1,019 63 209 81 1,372  12 22 238 33 10 65 380	102 12 0 0 114 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1 1	28 22 0 3 53 0 21 99 14 0 12 146	2,099 37 592 139 2,867  15 16 403 49 0 11 494  85 59	2,229 71 592 142 3,034 15 37 502 63 0 24 641 85 59	834 155 88 127 1,204 3 36 103 8 1 25 176	1,319 67 1,118 146 2,650  1 51 90 38 0 22 202	5,043 401 2,926 2,927 11,297 191 1,029 414 51 37 521 2,243 978 2,595 573	1,318 40 204 88 1,650  8 58 470 44 0 34 614	1,111 69 0 82 1,262 1 72 48 2 1 5 129	3,050 3 0 1,309 4,362  0 1 1 1 1 27 0	112 204 1,479 7,274 9 131 519 47 2 42 750	4 0 15 363 8 1 45 0 10 7 71 18

NETHERLANDS ANTILLES

BONAIRE

NAMIBIA

MEXICO

NETHERLANDS Antilles

CURACAO

NETHERLANDS Antilles

SABA

NETHERLANDS Antilles

ST. MAARTEN

NETHERLANDS Antilles

TOTAL

NETHERLANDS NEW ZEALAND

N. MARIANA Islands

ROTA

NICARAGUA

N. MARIANA Islands

SAIPAN

N. MARIANA Islands

TINIAN

N. MARIANA Islands

TOTAL

MARSHALL ISLANDS

MAURITIUS

COUNTRY OR LOCATION

ISLAND (IF AVAILABLE)



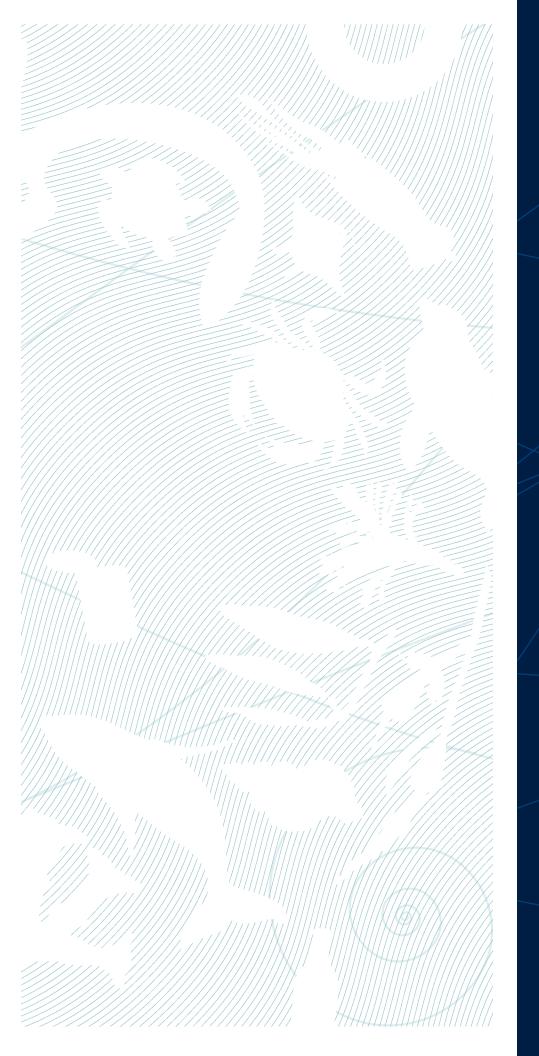
COUNTRY OR LOCATION	PALAU	PANAMA	PAPUA NEW Guinea	PARAGUAY	PERU	PHILIPPINES	POLAND	PORTUGAL	PUERTO RICO	REPUBLIC OF Korea	RUSSIA	SAUDI ARABIA	SINGAPORE	SLOVAKIA	SLOVENIA	SOUTH AFRICA	SPAIN
ISLAND (IF AVAILABLE)																	
SHORELINE & RECREATIONAL ACTIVIT	IES																
Bags (paper)	181	4,220	11	2	27	32,826	141	123	8,779	209	74	1,124	3,298	0	22	120	725
Bags (plastic)	921	11,667	15	1,980	33	300,716	248	268	28,320	561	377	594	16,931	0	668	3,379	3,315
Balloons	55	1,638	3	12	0	11,764	12	4	1,152	28	14	0	284	0	26	33	70
Beverage Bottles (plastic)	1,086	58,725	9	24	8	19,557	198	487	26,332	508	214	115	7,389	1	1,342	5,154	2,617
Beverage Bottles (glass)	530	7,134	24	12	12	16,132	128	759	33,361	487	324	90	3,699	30	691	1,467	2,282
Beverage Cans	686	7,811	26	6	26	13,887	304	294	16,628	132	201	165	1,219	5	785	984	2,587
Caps, Lids	647	10,508	14	17	17	6,914	69	250	29,976	311	120	52	4,796	0	808	8,675	2,170
Clothing, Shoes	308	12,152	4	38	8	30,223	28	57	6,298	145	66	15	1,779	4	185	902	438
Cups, Plates, Forks, Knives, Spoons	485	8,972	10	6	6	21,924	74	19	39,180	396	261	22	3,415	3	805	898	1,005
Food Wrappers/Containers	357	6,824	10	30	3	110,939	40	352	18,518	474	310	98	10,183	0	630	2,223	1,496
Pull Tabs	82	2,486	5	0	0	2,683	12	20	4,526	9	45	25	378	0	79	119	311
6-Pack Holders	27	2,806	3	0	8	1,605	7	54	2,429	10	39	2	48	0	85	45	148
Shotgun Shells/Wadding	10	466	20	0	0	4,115	1	15	420	17	1	127	2,341	0	1	13	4
Straws, Stirrers	257	2,198	4	19	0	40,280	7	13	15,006	201	10	33	8,023	0	174	1,860	1,579
Toys	315	1,348	2	5	0	8,883	8	10	2,289	51	6	2	1,255	1	42	271	135
TOTAL	5,947	138,955	160	2,151	148	622,448	1,277	2,725	233,214	3,539	2,062	2,464	65,038	44	6,343	26,143	18,882
OCEAN/WATERWAY ACTIVITIES																	
Bait Containers/Packaging	52	241	0	0	13	2,665	9	38	748	2	0	1	331	0	3	228	560
Bleach/Cleaner Bottles	153	3,781	0	4	0	4,060	16	33	2,177	3	0	5	303	1	90	225	139
Buoys/Floats	231	2,933	0	4	3	2,814	2	50	618	61	8	3	159	0	18	85	47
Crab/Lobster/Fish Traps	16	647	0	0	0	1,962	3	115	106	2	0	6	186	0	9	68	22
Crates	16	149	1	0	2	686	2	109	480	1	4	2	108	0	6	59	72
Fishing Line	40	68	15	0	9	3,174	6	883	738	69	2	51	626	0	18	1,828	1,088
Fishing Lures/Light Sticks	22	101	14	0	2	2,168	8	161	326	30	0	1	261	0	2	255	103
Fishing Nets	2	520	0	0	3	2,826	2	665	302	30	15	1	350	0	170	97	195
Light Bulbs/Tubes	53	186	0	5	0	1,917	0	12	334	138	0	4	357	0	0	95	19
Oil/Lube Bottles	183	3,636	0	2	2	2,846	12	7	2,244	24	13	3	237	0	38	195	99
Pallets	0	143	2	0	0	747	2	11	162	6	0	0	60	0	8	56	6
Plastic Sheeting/Tarps	35	791	8	12	0	15,999	4	8	1,955	175	17	7	4,043	0	185	131	47
Rope	54	904	8	3	11	11,354	5	138	1,430	610	11	21	2,054	6	46	1,895	537
Strapping Bands	60	258	0	2	14	4,963	5	111	328	68	36	0	999	0	9	205	33
TOTAL	917	14,358	48	32	59	58,181	76	2,341	11,948	1,219	106	105	10,074	7	602	5,422	2,967
SMOKING-RELATED ACTIVITIES																	
Cigarettes/Cigarette Filters	80	1,723	0	4	39	28,622	225	1,592	39,472	1,238	905	559	21,924	0	2,518	1,148	7,747
Cigarette Lighters	126	384	6	0	4	8,010	16	83	661	135	20	8	879	0	49	1,435	417
Cigar Tips	99	148	0	0	0	7,482	14	21	4,432	48	0	0	1,773	0	0	123	265
Tobacco Packaging/Wrappers	29	558	16	0	3	7,832	27	110	1,426	78	79	123	351	0	140	99	474
TOTAL	334	2,813	22	4	46	51,946	282	1,806	45,991	1,499	1,004	690	24,927	0	2,707	2,805	8,903
DUMPING ACTIVITIES																	
Appliances (refrigerators, washers, etc.)	7	184	0	0	0	1,310	3	60	1,409	2	6	0	159	0	3	171	6
Batteries Politica Materials	35	312	3	0	0	2,021	11	20	468	30	3	10	586	1	30	9	270
Building Materials	16	963	2	5	10	566	12	92	2,729	23	59	16	1,909	15	95	194	163
Cars/Car Parts	4	466	0	3	0	532	5	18	1,334	8	12	0	251	0	29	261	39
55-Gallon Drums	5	50 572	0	9	0	1,133	59	62 8	48 801	0	14	0	63 144	0 4	12	48 63	13 62
Total				·								11					
TOTAL MEDICAL/PERSONAL HYGIENE	68	2,547	5	17	10	5,883	90	260	6,789	82	94	37	3,112	20	171	746	553
	50	000	_	_		4.050	22	95	500	_					10	100	2.4
Condoms	50	208	0	0	2	1,979	20	75	722	3	2	0	71	0	13	133	34
Diapers	61	854	4	7	1	12,102	3	0	1,490	1	10	10	54	0	65	235	120
Syringes Tampone/Tampon Applicators	45 7	248	0	3	0	2,103	0	10	601	8	1	2	72	0	7	15	9
Tampons/Tampon Applicators		124	0		0	2,344	3	9	454	1	10	0	32	0	10	76 4 <b>50</b>	42 20E
TOTAL DEPRIS ITEM TOTALS	163	1,434	220	10	3	18,528	1.751	94	3,267	13	23	12	229	71	95	459 25 575	205
DEBRIS ITEM TOTALS	7,429	160,107	239	2,214	266	756,986	1,751	7,226	301,209	6,352	3,289	3,308	103,380	71	9,918	35,575	31,510

COUNTRY OR LOCATION	SRI LANKA	& NEVIS	GRENADINES	GRENADINES	GRENADINES	SWEDEN	SWITZERLAND	TAIWAN	TANZANIA	THAILAND	TOGO	TONGA	& TOBAGO	TURKEY	UKRAINE	UNITED AKAB EMIRATES	KINGDOM
ISLAND (IF AVAILABLE)		NEVIS	GRENADINES	ST. VINCENT	TOTAL								TRINIDAD				
SHORELINE & RECREATIONAL ACTIV	VITIES																
Bags (paper)	3,912	1,110	748	336	1,084	19	60	38	0	11,670	5	0	1,470	1	13	521	1,410
Bags (plastic)	2,802	1,166	1,764	4,855	6,619	38	178	682	25	12,713	1,580	0	5,358	211	94	977	8,633
Balloons	119	6	21	18	39	0	1	40	0	108	0	0	157	0	1	22	1,523
Beverage Bottles (plastic)	2,340	4,606	1,863	7,188	9,051	11	352	193	50	3,970	6	0	12,162	171	136	1,177	17,692
Beverage Bottles (glass)	1,222	1,608	1,591	672	2,263	3	646	723	100	7,446	2	0	8,355	1,639	245	295	2,924
Beverage Cans	502	1,482	1,467	838	2,305	30	397	320	20	1,524	2	0	3,073	274	139	445	9,894
Caps, Lids	2,700	3,069	415	1,600	2,015	15	201	531	25	13,974	76	0	13,902	0	11	434	25,480
Clothing, Shoes	743	458	304	835	1,139	1	102	197	25	3,350	28	0	2,248	63	5	185	3,031
Cups, Plates, Forks, Knives, Spoons	494	1,292	1,025	687	1,712	3	162	82	0	9,198	6	0	9,437	67	45	357	8,016
Food Wrappers/Containers	1,001	507	776	1,316	2,092	5	207	304	20	3,305	100	0	7,025	8	17	397	37,083
Pull Tabs	26	42	89	36	125	0	21	25	0	206	0	0	268	0	3	84	81
6-Pack Holders	147	5	165	182	347	0	0	1	0	24	0	0	80	0	0	78	32
Shotgun Shells/Wadding	250	2	73	3	76	0	2	6	0	1,239	0	0	25	0	0	71	1,719
Straws, Stirrers	2,252	175	84	1,314	1,398	12	27	472	25	7,718	16	0	1,857	7	14	77	490
Toys	353	17	54	136	190	3	32	42	0	707	2	0	452	2	17	85	1,804
TOTAL	18,863	15,545	10,439	20,016	30,455	140	2,388	3,656	290	77,152	1,823	0	65,869	2,443	740	5,205	119,812
OCEAN/WATERWAY ACTIVITIES																	
Bait Containers/Packaging	670	3	75	21	96	0	17	20	0	74	0	0	147	3	2	97	324
Bleach/Cleaner Bottles	476	104	250	599	849	1	220	109	0	143	0	12	259	0	1	63	642
Buoys/Floats	4,683	19	63	8	71	6	13	17	5	5,716	8	5	308	4	0	61	545
Crab/Lobster/Fish Traps	274	18	4	4	8	0	101	9	0	89	0	1	48	6	0	35	164
Crates	43	27	8	4	12	1	8	3	0	251	0	0	99	0	0	18	828
Fishing Line	419	44	17	15	32	66	109	111	0	1,431	80	25	220	95	23	141	8,667
Fishing Lures/Light Sticks	37	0	0	0	0	17	50	76	0	128	0	1	135	1	4	88	603
rishing Nets	425	35	32	5	37	1	5	19	3	1,020	20	5	706	11	0	54	17,822
ight Bulbs/Tubes	199	27	226	22	248	0	7	34	0	520	0	0	103	0	0	14	158
Dil/Lube Bottles	436	252	281	398	679	23	25	3	0	181	0	5	425	5	0	37	265
Pallets	188	1	7	0	7	0	8	2	0	5	0	0	46	0	0	39	119
Plastic Sheeting/Tarps	159	29	7	13	20	6	9	15	0	1,084	2	0	313	3	5	146	127
Rope	516	355	80	134	214	4	34	71	15	18,984	60	20	1,125	122	8	266	24,550
Strapping Bands	491	39	4	12	16	0	29	3	0	1,264	30	0	123	12	3	69	3,273
TOTAL	9,016	953	1,054	1,235	2,289	125	635	492	23	30,890	200	74	4,057	262	46	1,128	58,087
SMOKING-RELATED ACTIVITIES																	
Cigarettes/Cigarette Filters	2,887	114	35	375	410	110	2,243	846	25	1,832	10	25	1,054	3	55	248	13,395
Cigarette Lighters	691	6	4	26	30	17	138	180	0	1,718	0	10	402	0	11	104	1,339
Cigar Tips	1,209	4	8	36	44	0	13	0	0	370	0	0	353	0	0	75	224
Tobacco Packaging/Wrappers	.,200	4	0			-	10	-	•					•			
iobacco rackagilig/wiappers	611	37	28	84	112	12	209	94	0	209	6	50	497	11	4	71	1,438
TOTAL											6 <b>16</b>				4 <b>70</b>	71 <b>498</b>	1,438 <b>16,396</b>
TOTAL	611	37	28	84	112	12	209	94	0	209		50	497	11			
TOTAL DUMPING ACTIVITIES	611	37	28	84	112	12	209	94	0	209		50	497	11			
TOTAL DUMPING ACTIVITIES Appliances (refrigerators, washers, etc.)	611 <b>5,398</b>	37 <b>161</b>	28 <b>75</b>	84 <b>521</b>	112 <b>596</b>	12 <b>139</b>	209 <b>2,603</b>	94 <b>1,120</b>	0 <b>25</b>	209 <b>4,129</b>	16	50 <b>85</b>	497 <b>2,306</b>	11 14	70	498	16,396
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries	5,398 250	37 <b>161</b> 8	28 <b>75</b>	84 <b>521</b>	112 <b>596</b>	12 139	209 <b>2,603</b> 45	94 <b>1,120</b>	0 <b>25</b> 0	209 <b>4,129</b>	0	50 <b>85</b>	497 <b>2,306</b> 49	11 14	70	<b>498</b>	<b>16,396</b> 1,054
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials	5,398 250 196	37 161 8 14	28 <b>75</b> 4 6	84 <b>521</b> 15 28	112 <b>596</b> 19 34	12 139 0 11	209 2,603 45 6	94 <b>1,120</b> 14 11	0 <b>25</b> 0 0	209 <b>4,129</b> 100 480	0 0	50 <b>85</b> 0 15	497 <b>2,306</b> 49 41	11 14 3 15	0 2	0 4	16,396 1,054 131
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts	5,398 250 196 113	37 161 8 14 138	28 75 4 6 42	15 28 62	112 <b>596</b> 19 34 104	12 139 0 11	209 2,603 45 6 36	94 1,120 14 11 28	0 25 0 0	209 4,129 100 480 1,817	0 0 0	0 15 0	497 <b>2,306</b> 49 41 354	11 14 3 15 54	0 2 0	0 4 53	16,396 1,054 131 2,610
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums	5,398 250 196 113 42	37 161 8 14 138	28 75 4 6 42 10	15 28 62 68	112 <b>596</b> 19 34 104 78	12 139 0 11 1	209 <b>2,603</b> 45  6  36  535	94 1,120 14 11 28 3	0 25 0 0 0	100 480 1,817 161	0 0 0 0	0 15 0 0	497 <b>2,306</b> 49 41 354 119	3 15 54 0	0 2 0 1	0 4 53 20	16,396 1,054 131 2,610 564
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums	5,398 250 196 113 42	37 161 8 14 138 10 5	28 75 4 6 42 10 3	15 28 62 68 3	112 596 19 34 104 78 6	12 139 0 11 1 0	209 2,603 45 6 36 535 7	94 1,120 14 11 28 3 0	0 25 0 0 0 0	100 480 1,817 161 261	0 0 0 0 0 0 0	0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	497 2,306 49 41 354 119 15	3 15 54 0	0 2 0 1	0 4 53 20 1	16,396  1,054  131  2,610  564  43
TOTAL DUMPING ACTIVITIES Appliances (refrigerators, washers, etc.) Batteries Building Materials Cars/Car Parts 55-Gallon Drums Fires TOTAL	5,398 250 196 113 42 0 50	37 161 8 14 138 10 5	28 75 4 6 42 10 3 4	15 28 62 68 3 58	112 596 19 34 104 78 6 62	12 139 0 11 1 0 0	209 <b>2,603</b> 45  6  36  535  7  14	94 1,120 14 11 28 3 0 17	0 25 0 0 0 0	209 <b>4,129</b> 100 480 1,817 161 261 56	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50 85 0 15 0 0	497 2,306 49 41 354 119 15 39	11 14 3 15 54 0 0	0 2 0 1 0 3	0 4 53 20 1 3	16,396  1,054  131  2,610  564  43  232
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE	5,398 250 196 113 42 0 50	37 161 8 14 138 10 5	28 75 4 6 42 10 3 4	15 28 62 68 3 58	112 596 19 34 104 78 6 62	12 139 0 11 1 0 0	209 <b>2,603</b> 45  6  36  535  7  14	94 1,120 14 11 28 3 0 17	0 25 0 0 0 0	209 <b>4,129</b> 100 480 1,817 161 261 56	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50 85 0 15 0 0	497 2,306 49 41 354 119 15 39	11 14 3 15 54 0 0	0 2 0 1 0 3	0 4 53 20 1 3	16,396  1,054  131  2,610  564  43  232
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE  Condoms	5,398 250 196 113 42 0 50	37 161 8 14 138 10 5 26	28 75 4 6 42 10 3 4 69	15 28 62 68 3 58	112 596 19 34 104 78 6 62 303	12 139 0 11 1 0 0	209 2,603  45 6 36 535 7 14 643	94 1,120  14 11 28 3 0 17 73	0 25 0 0 0 0 0	209 4,129  100 480 1,817 161 261 56 2,875	0 0 0 0 0 0	50 85 0 15 0 0 0	497 2,306  49 41 354 119 15 39 617	11 14 3 15 54 0 0 73 145	0 2 0 1 0 3 6	0 4 53 20 1 3 81	16,396  1,054  131  2,610  564  43  232  4,634
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE  Condoms	5,398  250 196 113 42 0 50 651	37 161  8 14 138 10 5 26 201	28 75 4 6 42 10 3 4 69	84 521 15 28 62 68 3 58 234	112 596 19 34 104 78 6 62 303	12 139 0 11 1 0 0 1 13	209 2,603  45 6 36 535 7 14 643	94 1,120  14 11 28 3 0 17 73	0 25 0 0 0 0 0 0	209 4,129  100 480 1,817 161 261 56 2,875	0 0 0 0 0 0 0	50 85 0 15 0 0 0 0 15	497 2,306  49 41 354 119 15 39 617	11 14 3 15 54 0 0 73 145	70 0 2 0 1 0 3 6	0 4 53 20 1 3 81	16,396  1,054  131  2,610  564  43  232  4,634
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE  Condoms  Diapers	5,398  250 196 113 42 0 50 651	37 161  8 14 138 10 5 26 201	28 75 4 6 42 10 3 4 69	84 521 15 28 62 68 3 58 234	112 596 19 34 104 78 6 62 303	12 139 0 11 1 0 0 1 13	209 2,603  45 6 36 535 7 14 643	94 1,120  14 11 28 3 0 17 73	0 25 0 0 0 0 0 0	209 4,129  100 480 1,817 161 261 56 2,875	0 0 0 0 0 0 0	50 85 0 15 0 0 0 15 0 0 0 15	497 2,306  49 41 354 119 15 39 617	11 14 3 15 54 0 0 73 145	70 0 2 0 1 0 3 6	0 4 53 20 1 3 81 0 30	16,396  1,054  131  2,610  564  43  232  4,634
TOTAL  DUMPING ACTIVITIES  Appliances (refrigerators, washers, etc.)  Batteries  Building Materials  Cars/Car Parts  55-Gallon Drums  Tires  TOTAL  MEDICAL/PERSONAL HYGIENE  Condoms  Diapers  Syringes	611 5,398 250 196 113 42 0 50 651 43 59 85	37 161  8 14 138 10 5 26 201	28 75 4 6 42 10 3 4 69 7 21 30	84 521 15 28 62 68 3 58 234 69 143 8	112 596 19 34 104 78 6 62 303 76 164 38	12 139 0 11 1 0 0 11 13 0 2 0	209 2,603  45 6 36 535 7 14 643	94 1,120  14 11 28 3 0 17 73	0 25 0 0 0 0 0 0 0	209 4,129  100 480 1,817 161 261 56 2,875	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50 85 0 15 0 0 0 15 0 60 0	497 2,306  49 41 354 119 15 39 617  118 300 29	11 14 3 15 54 0 0 73 145	70 0 2 0 1 0 3 6	0 4 53 20 1 3 81	16,396  1,054  131  2,610  564  43  232  4,634  171  378  216

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COUNTRY OR LOCATION	UNITED STATES	UNITED STATES Virgin Islands	UNITED STATES Virgin Islands	UNITED STATES Virgin Islands	UNITED STATES Virgin Islands	URUGUAY	VANUATU	VENEZUELA	VIETNAM	TOTAL
ISLAND (IF AVAILABLE)		ST. CROIX	ST. JOHN	ST. THOMAS	TOTAL					
SHORELINE & RECREATIONAL ACTIVITIES	ES									
Bags (paper)	89,626	1,172	199	1,135	2,506	242	4	5	0	331,476
Bags (plastic)	268,166	2,265	436	3,706	6,407	1,570	57	22	74	1,126,774
Balloons	39,744	311	37	193	541	93	1	1	0	82,902
Beverage Bottles (plastic)	223,392	2,134	760	3,142	6,036	357	31	18	8	883,737
Beverage Bottles (glass)	172,869	3,363	307	2,160	5,830	261	14	123	0	459,531
Beverage Cans	188,750	2,289	383	1,785	4,457	61	26	22	22	457,631
Caps, Lids	410,073	3,626	1,302	4,880	9,808	1,071	27	46	0	912,246
Clothing, Shoes	52,450	802	179	640	1,621	135	18	21	2	242,928
Cups, Plates, Forks, Knives, Spoons	190,175	2,270	262	3,191	5,723	324	32	4	0	512,517
Food Wrappers/Containers	427,439	1,632	392	3,468	5,492	1,303	157	134	0	943,233
Pull Tabs	40,776	316	48	555	919	0	8	0	0	92,970
6-Pack Holders	11,664	143	13	123	279	0	5	1	0	43,257
Shotgun Shells/Wadding	18,314	97	1	7	105	0	0	0	0	37,609
Straws, Stirrers	167,674	1,010	298	2,585	3,893	276	19	26	0	412,940
Toys	44,618	1,010	51	143	390	72	6	5	0	101,543
TOTAL	2,345,730	21,626	4,668	27,713	54,007	5,765	405	428	106	6,641,294
	2,345,730	21,020	4,000	21,113	54,007	5,765	405	428	106	0,041,294
OCEAN/WATERWAY ACTIVITIES	10.010	0.4	45	E4	100			0	•	45004
Bait Containers/Packaging	19,849	64	17	51	132	11	3	0	0	47,361
Bleach/Cleaner Bottles	8,259	107	48	145	300	7	8	1	0	55,814
Buoys/Floats	12,031	95	59	81	235	2	0	5	4	56,276
Crab/Lobster/Fish Traps	5,019	111	3	14	128	1	0	0	2	15,463
Crates	2,523	28	9	23	60	13	0	0	0	12,807
Fishing Line	40,546	267	51	374	692	22	36	30	41	88,794
Fishing Lures/Light Sticks	11,817	71	23	15	109	6	2	1	4	33,711
Fishing Nets	6,095	62	63	75	200	21	20	1	3	46,189
Light Bulbs/Tubes	3,801	36	15	26	77	6	0	1	0	26,721
Oil/Lube Bottles	7,643	149	64	192	405	5	0	1	0	58,881
Pallets	2,943	23	2	9	34	7	0	0	0	9,376
Plastic Sheeting/Tarps	23,757	289	172	117	578	398	7	0	2	86,729
Rope	59,909	545	411	784	1,740	165	56	0	40	201,739
Strapping Bands	18,159	65	30	136	231	23	9	10	0	43,682
TOTAL	222,351	1,912	967	2,042	4,921	687	141	50	96	783,543
SMOKING-RELATED ACTIVITIES										
Cigarettes/Cigarette Filters	1,388,050	977	1,645	2,024	4,646	546	8	48	23	2,189,252
Cigarette Lighters	19,941	272	36	158	466	32	4	0	0	59,884
Cigar Tips	79,039	413	0	114	527	118	0	0	0	133,418
Tobacco Packaging/Wrappers	39,221	131	31	254	416	97	2	0	8	129,234
TOTAL	1,526,251	1,793	1,712	2,550	6,055	793	14	48	31	2,511,788
DUMPING ACTIVITIES										
Appliances (refrigerators, washers, etc.)	1,589	52	0	19	71	6	0	0	0	11,112
Batteries	7,587	46	7	47	100	4	3	1	33	29,598
Building Materials	49,118	181	23	403	607	132	6	23	7	111,134
Cars/Car Parts	11,196	133	10	161	304	14	3	2	0	23,459
55-Gallon Drums	521	4	0	1	5	0	0	0	0	3,634
Tires	9,287	125	1	28	154	2	0	0	2	19,126
TOTAL	79,298	541	41	659	1,241	158	12	26	42	198,063
MEDICAL/PERSONAL HYGIENE										
Condoms	7,630	188	12	367	567	56	0	0	0	26,617
Diapers	5,457	146	6	74	226	12	3	0	0	38,550
Syringes	2,388	7	2	4	13	2	0	0	0	15,076
-,	2,000				81	6	2	0	0	24,607
Tampons/Tampon Applicators	19 857	36	3	Δ.)						
Tampons/Tampon Applicators  TOTAL	12,857 <b>28,332</b>	36 <b>377</b>	3 <b>23</b>	42 <b>487</b>	887	76	5	0	0	104,850



N. S.	N. S.	بري	*11
	Start a Sea Change	Ocean Conservancy	

			LAN	ND .			UNDER	WATER			TOT	AL	
COUNTRY OR LOCATION	ISLAND	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS
Argentina		1,336	26,592	14.2	542	-	-	-	-	1,336	26,592	14.2	542
Aruba		25	386	-	22	11	551	0.3	25	36	937	0.3	47
Australia		474	8,622	41.1	629	509	12,549	20.1	498	983	21,171	61.2	1,127
Austria		103	893	7.5	37	155	937	5.0	37	258	1,830	12.5	74
Bahamas	Abaco	48	390	2.7	20	-	-	-	-	48	390	2.7	20
	Andros	-	-	-	-	2	500	1.0	50	2	500	1.0	50
	Exuma	-	-	-	-	8	3	1.0	1	8	3	1.0	1
	Grand Bahama Island	-	-	-	-	10	100	1.0	30	10	100	1.0	30
	Nassau	255	6,316	2.3	1,200	200	6,000	2.0	400	455	12,316	4.3	1,600
	Total	303	6,706	5.0	1,220	220	6,603	5.0	481	523	13,309	10.0	1,701
Bahrain		8	110	0.6	5	17	441	0.6	15	25	551	1.2	20
Bangladesh		483	4,150	7.5	52	-	-	-	-	483	4,150	7.5	52
Barbados		107	2,599	2.5	135	14	110	1.0	11	121	2,709	3.5	146
Belgium		94	366	0.6	17	44	223	1.7	18	138	589	2.3	35
Belize Brazil		400 13,553	7,577 68,473	13.8	266 3,014	111	753	11.6	57	400 13,664	7,577 69,226	13.8	266 3,071
	Norman Island	13,333	22	1.2	23	18	24	1.2	15	40	46	2.4	3,071
British Virgin Islands	Salt Island	10	900	0.5	20	-	-	1.2	- 13	10	900	0.5	20
	Tortola	151	1,968	4.0	143	-	-	-		151	1,968	4.0	143
	Virgin Gorda	57	530	1.8	32	-	-	-	-	57	530	1.8	32
	Total	240	3,420	7.5	218	18	24	1.2	15	258	3,444	8.7	233
Cambodia		-	-	-	-	2	55	0.1	2	2	55	0.1	2
Canada		36,890	348,415	1,510.6	14,002	257	6,336	16.4	281	37,147	354,751	1,527.0	14,283
Cape Verde		25	220	1.2	20	40	551	0.2	20	65	771	1.4	40
Cayman Islands	Grand Cayman	52	840	1.1	69	87	310	3.7	60	139	1,150	4.8	129
	Little Cayman	28	300	1.0	12	-				28	300	1.0	12
	Total	80	1,140	2.1	81	87	310	3.7	60	167	1,450	5.8	141
Chile		2,269	72,615	1.4	14	61	243	1.6	17	2,330	72,858	3.0	31
China		2,877	3,012	3.6	887	79	174	1.3	36	2,956	3,186	4.9	923
Colombia		2,788	56,919	8.1	615	273	3,990	5.2	80	3,061	60,909	13.3	695
Cook Islands	Rarotonga	12	220	0.6	10	12	176	0.6	6	24	396	1.2	16
Costa Rica		1,759	23,178	31.8	953	44	284	2.2	39	1,803	23,462	34.0	992
Croatia		14	104	1.2	7	34	754	2.5	49	48	858	3.7	56
Cyprus		180	4,868	7.5	319	130	1,248	2.7	73	310	6,116	10.2	392
Denmark		14	33	0.7	4	28	132	1.1	11	42	165	1.8	15
Dominican Republic		11,558	138,967	39.5	8,681	78	2,011	3.5	313	11,636	140,978	43.0	8,994
East Timor		56	101.074	0.1	45	14	1 007	0.1	5	70	100 501	0.2	50
Ecuador		6,162	101,274	72.5	107	44	1,307	9.3	34	6,206	102,581	81.8 22.0	141
Egypt		201	2,138	6.8 2.5	204 15	585	3,408	15.2	237	786 20	5,546 350	22.0	441
El Salvador Estonia		159	350 3,638	3.1	204	106	14,440	1.8	114	265	18,078	4.9	15 318
Fiji		121	2,164	9.5	143	15	77	3.1	6	136	2,241	12.6	149
Finland		105	1,213	0.9	415	124	10,428	2.6	926	229	11,641	3.5	1,341
France		95	1,818	6.9	85	33	496	2.6	23	128	2,314	9.5	1,341
Germany		396	15,580	34.2	461	362	7,150	21.0	248	758	22,730	55.2	709
Ghana		103	1,200	0.3	-	-	-	-	-	103	1,200	0.3	
Gibraltar		-	-	-	-	14	220	0.6	20	14	220	0.6	20
Greece		2,195	37,029	32.3	1,614	385	17,474	5.7	754	2,580	54,503	38.0	2,368
Grenada		360	5,316	21.6	267	7	140	2.0	18	367	5,456	23.6	285
Guam		3,006	17,776	22.5	1,650	-	-	-	-	3,006	17,776	22.5	1,650
Guatemala		7	55	0.1	40	-	-	-	-	7	55	0.1	40
Honduras		24	942	0.9	46	20	155	0.7	15	44	1,097	1.6	61
Hong Kong		4,601	45,117	26.8	3,074	207	1,221	1.5	79	4,808	46,338	28.3	3,153
Hungary		10	441	0.6	13	19	507	0.6	16	29	948	1.2	29
India		18,254	52,889	184.7	8,978	30	112	1.2	3	18,284	53,001	185.9	8,981
Indonesia		683	10,800	12.8	468	253	3,064	6.3	142	936	13,864	19.1	610
Iran		80	2,046	0.7	143	133	2,630	16.4	40	213	4,676	17.1	183
Ireland		87	1,389	6.5	263	5	66	1.9	2	92	1,455	8.4	265
Israel		585	4,570	2.0	744	90	1,815	-	200	675	6,385	2.0	944
Italy		453	7,341	25.5	346	452	8,370	19.5	389	905	15,711	45.0	735
Jamaica		2,323	20,447	34.1	1,618	29	126	1.9	8	2,352	20,573	36.0	1,626
Japan		13,072	31,901	38.0	4,513	795	27,583	4.0	1,347	13,867	59,484	42.0	5,860
Jordan		-	-	-	-	12	148	0.6	22	12	148	0.6	22
Kenya		170	2,315	1.7	50	26	694	0.7	11	196	3,009	2.4	61
Libya		25	121	0.3	10	14	254	0.1	8	39	375	0.4	18
Lithuania		-	-	-	-	11	154	1.2	17	11	154	1.2	17
Litildania													

			LA	ND			UNDER	WATER			TOT	TAL	
COUNTRY OR LOCATION	ISLAND	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS
Malaysia		1,347	6,883	15.1	571	358	4,052	7.6	427	1,705	10,935	22.7	998
Maldives		247	2,363	9.2	142	209	4,718	3.8	166	456	7,081	13.0	308
Malta		20	22	1.4	23	23	300	2.2	42	43	322	3.6	65
Marshall Islands		74	2,000	2.0	300	20	500	1.0	100	94	2,500	3.0	400
Mauritius		64	653	0.6	27	11	137	0.6	4	75	790	1.2	31
Mexico		6,640	125,567	123.1	2,854	132	1,770	23.7	252	6,772	127,337	146.8	3,106
Namibia		371	7,568	11.8	425	-	-	-	-	371	7,568	11.8	425
Netherlands Antilles	Bonaire	2	154	0.2	11	-	-	-	-	2	154	0.2	11
	Curacao	-	-	-	-	18	88	0.1	9	18	88	0.1	g
	Saba	44	2,740	2.0	162	14	2,205	0.5	20	58	4,945	2.5	182
	St. Maarten	616	6,092	2.0	193	10	140	1.0	-	626	6,232	3.0	193
	Total	662	5,661	5.3	366	42	2,357	2.2	29	704	8,018	7.5	395
Netherlands		109	886	7.3	91	178	3,492	4.4	137	287	4,378	11.7	228
New Zealand		511	3,072	13.4	282	198	3,683	8.3	168	709	6,755	21.7	450
Nicaragua		6,442	332,985	167.7	-	-	-	-	-	6,442	332,985	167.7	
Northern Mariana	Rota	638	2,908	0.5	382	-	-	-	-	638	2,908	0.5	382
Islands	Saipan	237	1,414	0.1	223	-	-	-	-	237	1,414	0.1	223
	Tinian	24	685	0.1	40	-	-	-	-	24	685	0.1	40
	Total	899	5,007	0.7	645	-	-	-	-	899	5,007	0.7	645
Norway		56	1,066	5.0	40	48	961	1.9	7	104	2,027	6.9	47
Palau		15	100	1.0	50	15	500	1.0	100	30	600	2.0	150
Panama		4,062	72,105	2.0	7,493	64	470	1.0	38	4,126	72,575	3.0	7,531
Papua New Guinea		74	121	1.2	93	2	11	0.2	3	76	132	1.4	96
Paraguay		70	6	-	-	-	-	-	-	70	6	-	-
Peru		120	3,307	-	280	-	-	-	-	120	3,307	-	280
Philippines		73,564	712,599	1,483.3	24,244	929	9,075	25.0	507	74,493	721,674	1,508.3	24,751
Poland		390	4,409	11.2	311	126	1,168	5.0	115	516	5,577	16.2	426
Portugal		177	2,363	7.5	159	227	6,336	10.0	165	404	8,699	17.5	324
Puerto Rico		14,276	208,789	387.0	9,433	429	52,845	22.0	507	14,705	261,634	409.0	9,940
Republic of Korea		48	750	5.1	42	45	401	3.1	25	93	1,151	8.2	67
Russia		161	829	0.5	28	78	227	0.1	34	239	1,056	0.6	62
Samoa	Savaii Island	13	44	-	17	-	-	-	-	13	44	-	17
Saudi Arabia		100	1,096	1.1	22	40	331	3.4	13	140	1,427	4.5	35
Singapore		3,064	30,252	12.4	1,498	-	-	-	-	3,064	30,252	12.4	1,498
Slovakia		10	7	0.3	8	5	22	0.3	10	15	29	0.6	18
Slovenia		79	718	3.7	47	134	2,553	1.7	95	213	3,271	5.4	142
South Africa		7,718	26,581	68.3	90	114	551	1.9	48	7,832	27,132	70.2	138
Spain		485	14,169	6.8	414	305	2,957	12.3	155	790	17,126	19.1	569
Sri Lanka		534	3,616	3.3	70	-	-	-	-	534	3,616	3.3	70
St. Kitts & Nevis	Nevis	189	6,085	7.4	-	9	160	0.2	-	198	6,245	7.6	-
St. Vincent & the	Grenadines	155	3,084	8.5	144	-	-	-	-	155	3,084	8.5	144
Grenadines	St. Vincent	341	14,731	12.5	265	-	-	-	-	341	14,731	12.5	265
	Total	496	17,815	0.2	409	-	-	-	-	496	17,815	0.2	409
Sweden		18	33	0.7	5	15	558	0.7	20	33	591	1.4	25
Switzerland		70	225	5.1	20	226	8,232	6.4	134	296	8,457	11.5	154
Taiwan		197	652	1.7	71	173	1,072	1.2	104	370	1,724	2.9	175
Tanzania		146	1,579	3.1	82	10	571	0.6	19	156	2,150	3.7	101
Thailand		4,208	52,713	38.9	2,195	557	8,239	16.8	639	4,765	60,952	55.7	2,834
Togo		94	220	0.3	14	-	-	-	-	94	220	0.3	14
Tonga		75	794	1.3	100	-	-	-	-	75	794	1.3	100
Trinidad & Tobago	Trinidad	1,510	16,212	9.5	1,220		-	-	-	1,510	16,212	9.5	1,220
Turkey		2,033	34,771	29.1	3,344	102	12,535	2.5	70	2,135	47,306	31.6	3,414
Ukraine		35	326	1.2	45	20	615	1.2	32	55	941	2.4	77
United Arab Emirates		890	2,822	0.6	350	18	331	0.6	12	908	3,153	1.2	362
United Kingdom		5,217	29,935	134.2	3,184	261	3,414	14.0	127	5,478	33,349	148.2	3,311
United States		216,009	4,210,385	9,330.6	129,112	2,770	43,265	99.1	1,438	218,779	4,253,650	9,429.7	130,550
US Virgin Islands	St. Croix	632	3,080	9.7	536	31	350	0.3	34	663	3,430	10.0	570
	St. John	160	2,472	11.4	109	-	-	-	-	160	2,472	11.4	109
	St. Thomas	777	11,426	16.1	639	16	540	4.0	3	793	11,966	20.1	642
	Total	1,569	16,978	37.2	1,284	47	890	4.3	37	1,616	17,868	41.5	1,321
Uruguay		210	1,559	-	101	-	-	-		210	1,559	-	101
Vanuatu		306	7,209	1.6	654	73	322	1.5	34	379	7,531	3.1	688
Venezuela		83	331	1.6	14	32	64	1.1	6	115	395	2.7	20
Vietnam		-	-	-	-	35	128	0.9	30	35	128	0.9	30
Country &		484.702	7,125,693	14,322.9	249,535	14,116	320,437	503.9	12,690	498,818	7,446,130	14,826.8	262.225
<b>Location Totals</b>													

US STATE / DISTRICT OF COLUMBIA	ALABAMA	ALASKA	ARIZONA	ARKANSAS	CALIFORNIA	COLORADO	CONNECTICUT	DELAWARE	DISTRICT OF Columbia	FLORIDA	GEORGIA	HAWAII	ILLINOIS	INDIANA	IOWA	KANSAS
SHORELINE & RECREATIONA	2,482	136	30	172	32,335	29	1,492	825	799	8,802	994	3,719	2,762	582	1	88
Bags (paper)  Bags (plastic)	5,068	1,145	187	867	71,336	174	6,505	3,778	2,352	29,655	3,823	6,238	5,236	1,213	3	700
Balloons	583	71	1	26	9,609	4	823	1,093	202	4,691	167	810	1,975	902	0	11
Beverage Bottles (plastic)	9,146	888	440	679	29,299	155	4,997	5,384	3,716	29,442	8,921	2,699	2,863	557	5	284
Beverage Bottles (glass)	5,745	1,142	301	788	33,633	165	3,174	2,191	2,170	26,282	7,776	4,361	5,553	807	1	119
Beverage Cans	8,599	1,877	587	1,417	25,941	187	3,190	2,605	2,057	24,582	6,486	2,805	3,123	775	6	241
Caps, Lids	6,407	1,196	221	312	99,243	256	7,845	7,179	3,626	64,955	3,208	17,624	11,626	3,384	3	155
Clothing, Shoes	1,237	193	112	95	15,058	38	918	654	644	6,930	912	1,736	723	211	2	48
Cups, Plates, Forks, Knives, Spoons	5,722	470	203	346	43,837	102	4,130	2,620	2,558	23,308	2,391	4,987	4,189	1,017	0	198
Food Wrappers/Containers	6,572	1,489	516	735	143,556	506	11,958	5,646	3,897	44,119	6,110	11,573	10,831	3,126	2	446
Pull Tabs	999	342	37	257	12,664	65	925	373	484	5,842	912	2,100	760	242	3	20
6-Pack Holders	589	140	34	47	1,973	11	202	197	827	1,691	374	283	222	63	1	15
Shotgun Shells/Wadding	312	479	13	78	4,807	0	263	966	8	545	84	151	194	170	0	1
Straws, Stirrers	3,615	186	50	118	38,572	54	3,287	2,445	942	24,481	1,748	3,383	5,860	2,301	2	121
Toys	926	117	52	106	12,577	37	1,216	1,162	377	4,621	596	1,222	1,331	378	1	49
TOTAL	58,002	9,871	2,784	6,043	574,440	1,783	50,925	37,118	24,659	299,946	44,502	63,691	57,248	15,728	30	2,496
OCEAN/WATERWAY ACTIVIT	IES													ļ.		
Bait Containers/Packaging	808	106	38	211	4,043	111	254	240	179	2,160	718	920	190	29	10	10
Bleach/Cleaner Bottles	423	47	19	44	699	0	62	164	32	1,278	196	299	69	5	0	10
Buoys/Floats	417	191	1	24	1,037	7	369	254	35	1,587	177	1,153	48	32	0	2
Crab/Lobster/Fish Traps	116	8	0	2	461	0	32	50	1	396	20	809	30	2	0	0
Crates	82	22	0	12	429	1	28	53	20	304	14	624	17	1	0	1
Fishing Line	1,732	188	179	339	5,806	96	1,067	424	458	7,264	1,931	2,657	98	91	1	7
Fishing Lures/Light Sticks	812	48	52	67	1,871	56	238	264	41	2,036	141	521	133	37	0	12
Fishing Nets	164	39	1	15	1,199	10	70	82	9	910	20	918	43	16	0	11
Light Bulbs/Tubes	187	5	0	37	718	0	44	78	6	542	156	322	70	1	0	0
Oil/Lube Bottles	446	45	8	26	1,166	1	85	172	26	1,171	507	231	52	8	0	7
Pallets	35	31	2	9	410	0	29	24	1	185	1,072	50	33	3	0	0
Plastic Sheeting/Tarps	447	253	14	44	5,888	2	384	207	157	4,114	233	632	1,171	112	0	32
Rope	898	463	30	83	5,819	36	539	621	72	7,226	499	6,651	344	188	1	15
Strapping Bands	646	121	10	43	4,184	5	218	198	27	2,288	670	769	333	91	0	21
TOTAL	7,213	1,567	354	956	33,730	325	3,419	2,831	1,064	31,461	6,354	16,556	2,631	616	12	128
SMOKING-RELATED ACTIVIT		0.040	400	1 400	004.000	1.000	00.000	15.050	4.005	005.000	10.005	04.101	44.550	15.000	-	000
Cigarettes/Cigarette Filters	23,747 473	2,246	496	1,406	394,920 4,723	1,306	23,092 384	15,876 385	4,335	205,393	12,025	84,101 676	44,570	15,202	5	300 5
Cigarette Lighters Cigar Tips	1,285	45	2	96	18,493	14	1,116	1,325	131	3,433 13,864	193 265	1,318	420 4,081	1,375	0	6
Tobacco Packaging/Wrappers	1,412	175	38	185	9,649	82	760	414	313	5,701	1,895	1,406	761	422	2	32
TOTAL	26,917	2,574	545	1,718	427,785	1,405	25,352	18,000	5,837	228,391	14,378	87,501	49,832	17,218	7	343
DUMPING ACTIVITIES	20,011	_,0.1 1		.,	12.,000	1,100		10,000	5,551		1 1,070	0.,001	10,002	13,210	-	
Appliances (refrigerators, washers, etc.)	34	10	1	6	415	0	13	4	5	86	303	48	29	1	0	2
Batteries	177	21	8	10	2,107	5	75	36	28	713	141	530	232	17	0	4
Building Materials	2,311	1,065	24	32	9,501	10	558	922	83	5,552	1,905	748	511	110	0	51
Cars/Car Parts	258	594	10	50	2,469	1	111	135	68	902	1,453	431	107	31	1	13
55-Gallon Drums	23	14	1	2	77	0	4	1	0	77	19	25	1	0	0	2
Tires	315	30	14	51	1,783	0	50	125	6	500	1,020	114	59	11	1	4
TOTAL	3,118	1,734	58	151	16,352	16	811	1,223	190	7,830	4,841	1,896	939	170	2	76
MEDICAL/PERSONAL HYGIE																
Condoms	133	85	3	13	2,342	4	221	60	196	980	195	165	306	22	0	9
Diapers	153	38	15	14	1,219	2	89	60	132	441	193	249	78	27	0	4
Syringes	23	11	0	0	633	0	33	42	16	364	66	45	49	9	0	0
Tampons/Tampon Applicators	110	82	1	29	1,492	0	223	280	101	702	66	134	206	179	0	6
TOTAL	419	216	19	56	5,686	6	566	442	445	2,487	520	593	639	237	0	19
DEBRIS ITEM TOTALS	95,669	15,962	3,760	8,924	1,057,993	3,535	81,073	59,614	32,195	570,115	70,595	170,237	111,289	33,969	51	3,062

White the	
Ocean Conservancy*  Start a Sea Change	

US STATE/ DISTRICT OF COLUMBIA	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA
SHORELINE & RECREATIONAL																
Bags (paper)	1,071	626	589	1,351	1,405	135	1,345	8	3	149	204	595	1,002	0	8,628	1,890
Bags (plastic)	2,280	2,653	4,419	6,418	4,340	425	4,239	57	0	472	58	1,834	5,722	0	26,902	7,288
Balloons	59	251	755	1,638	2,234	30	305	1	0	4	21	239	1,440	0	5,493	384
Beverage Bottles (plastic)	3,091	1,461	11,162	4,893	1,851	454	3,002	27	3	556	96	1,018	7,600	0	21,583	9,711
Beverage Bottles (glass)	1,740	2,472	3,207	3,230	1,293	403	4,386	26	6	475	84	1,785	2,693	0	15,412	7,372
Beverage Cans	1,955	933	4,034	3,463	1,314	654	4,012	22	8	1,048	128	1,422	2,970	0	14,403	8,015
Caps, Lids	2,330	1,907	4,938	8,135	10,510	276	4,699	16	0	590	298	4,967	19,471	0	38,129	6,476
Clothing, Shoes	234	479	655	1,097	913	124	887	19	4	66	33	457	805	0	4,846	1,230
Cups, Plates, Forks, Knives, Spoons	1,562	1,202	3,871	4,253	3,479	225	2,193	22	0	274	64	1,517	6,167	0	18,439	5,049
Food Wrappers/Containers	2,605	3,366	8,352	11,555	16,168	1,217	3,646	6	0	1,068	655	3,531	10,346	0	30,145	11,212
Pull Tabs	301	190	262	735	830	25	668	4	0	54	45	376	446	0	2,704	806
6-Pack Holders	123	50	152	165	139	7	239	1	0	27	1	27	155	0	1,220	172
Shotgun Shells/Wadding	13	257	384	712	1,021	10	114	0	0	49	0	210	592	0	3,168	238
Straws, Stirrers	1,171	580	1,921	4,142	5,126	128	1,812	6	0	90	88	1,039	11,874	0	18,125	2,235
Toys	170	428	627	1,037	1,334	35	376	16	0	70	12	389	1,528	0	4,490	915
TOTAL	18,705	16,855	45,328	52,824	51,957	4,148	31,923	231	24	4,992	1,787	19,406	72,811	0	213,687	62,993
OCEAN/WATERWAY ACTIVITIE	S															
Bait Containers/Packaging	252	252	431	330	417	39	209	1	0	217	33	183	265	0	1,841	1,512
Bleach/Cleaner Bottles	19	319	142	477	37	1	223	0	0	0	0	28	246	0	885	138
Buoys/Floats	41	1,149	185	967	78	1	124	2	0	28	0	386	315	0	1,215	253
Crab/Lobster/Fish Traps	9	673	50	285	12	0	57	0	0	0	1	639	50	0	563	30
Crates	3	46	38	74	12	2	24	1	0	0	0	54	41	0	217	31
Fishing Line	124	158	1,104	1,840	296	26	539	0	10	81	58	295	684	0	3,017	1,281
Fishing Lures/Light Sticks	36	44	198	204	175	4	165	4	0	27	2	86	540	0	1,023	387
Fishing Nets	25	152	60	462	39	2	81	0	0	12	0	79	103	0	364	74
Light Bulbs/Tubes	11	32	36	58	52	2	72	0	0	2	0	24	57	0	297	92
Oil/Lube Bottles	50	234	197	163	151	4	236	7	0	5	0	116	186	0	745	205
Pallets	12	31	16	33	24	1	78	0	0	1	0	43	76	0	188	36
Plastic Sheeting/Tarps	113	372	216	452	473	25	341	1	0	20	2	436	299	0	3,275	470
Rope	165	3,301	572	4,983	544	8	359	1	10	4	29	2,520	937	0	3,187	549
Strapping Bands	98	999	157	889	440	6	242	0	0	2	10	523	336	0	1,076	262
TOTAL	958	7,762	3,402	11,217	2,750	121	2,750	17	20	399	135	5,412	4,135	0	17,893	5,320
SMOKING-RELATED ACTIVITIE			,	,								,	,		·	
Cigarettes/Cigarette Filters	5,087	27,384	7,506	32,148	53,443	3,978	8,102	77	0	760	1,508	35,023	19,415	0	57,459	24,621
Cigarette Lighters	86	78	343	500	267	70	202	0	0	9	8	92	652	0	2,122	347
Cigar Tips	165	236	1,105	859	4,710	37	926	2	0	7	8	404	4,203	0	5,393	1,241
Tobacco Packaging/Wrappers	367	246	483	788	552	205	756	3	0	90	11	273	1,286	0	2,441	1,168
TOTAL	5,705	27,944	9,437	34,295	58,972	4,290	9,986	82	0	866	1,535	35,792	25,556	0	67,415	27,377
DUMPING ACTIVITIES	3,703	21,544	3,437	34,293	36,912	4,230	3,300	62		800	1,000	33,792	23,330		07,413	21,377
	20		10	20	10		50			_					440	2:
Appliances (refrigerators, washers, etc.)	23	8	18	20	10	14	58	4	0	3	0	4	1	0	116	94
Batteries	39	35	83	54	136	31	83	0	0	6	6	42	20	0	472	293
Building Materials	385	721	1,105	843	1,190	75	2,058	27	0	31	0	436	454	0	6,159	1,559
Cars/Car Parts	154	161	127	122	90	41	266	0	0	13	3	86	25	0	984	358
55-Gallon Drums	0	5	26	3	6	3	55	0	0	1	0	2	6	0	44	26
Tires	37	68	199	46	51	18	165	15	0	98	0	55	121	223	657	1,613
TOTAL	638	998	1,558	1,088	1,483	182	2,685	46	0	152	9	625	627	223	8,432	3,943
MEDICAL/PERSONAL HYGIEN	<b>E</b>															
Condoms	27	27	120	103	94	14	121	0	0	3	0	31	150	0	731	205
Diapers	57	26	61	79	123	10	85	0	0	29	3	18	57	0	502	246
Syringes	11	11	81	60	33	7	16	0	0	0	0	1	179	0	308	15
Tampons/Tampon Applicators	19	53	187	501	366	3	47	1	0	17	3	48	1,577	0	3,589	110
		117	449	743	616	34	269	1	0	49	6	00	1,963	0	5,130	576
TOTAL	114	• • • •	-1-10	140	0.0	0.7	209	•	•	43		98	1,903	o	0,100	

US STATE/ DISTRICT OF COLUMBIA	ОНІО	OREGON	PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WISCONSIN	TOTAL
SHORELINE & RECREATIONAL							_							
Bags (paper)	1,568	327	1,963	1,876	970	37	2	5,570	4	0	2,487	399	174	89,626
Bags (plastic)	5,243	890	6,521	9,047	4,384	213	1	23,039	33	4	10,642	2,396	366	268,166
Balloons	258	161	620	1,098	620	16	0	1,947	0	1	836	242	123	39,744
Beverage Bottles (plastic)	4,103	485	5,701	7,236	3,987	216	14	19,691	2	14	13,297	1,866	797	223,392
Beverage Bottles (glass)	3,450	344	2,141	5,382	2,747	103	8	9,840	26	0	7,910	1,698	428	172,869
Beverage Cans	5,232	683	3,524	6,604	4,553	186	12	21,952	240	2	12,942	2,381	1,580	188,750
Caps, Lids	2,974	1,166	3,693	13,957	5,408	163	11	40,703	0	5	6,577	2,572	2,862	410,073
Clothing, Shoes	919	251	895	2,031	920	23	0	3,777	24	0	1,352	687	211	52,450
Cups, Plates, Forks, Knives, Spoons	3,688	405	3,578	6,289	2,581	174	9	17,453	6	4	9,995	917	681	190,175
Food Wrappers/Containers	7,960	1,316	9,855	16,355	8,095	375	69	13,426	0	6	10,249	2,717	2,062	427,439
Pull Tabs	329	158	507	838	560	93	3	4,054	0	1	492	175	95	40,776
6-Pack Holders	96	51	105	311	109	6	0	1,159	0	0	442	212	26	11,664
Shotgun Shells/Wadding	260	197	145	713	378	1	0	664	0	0	379	399	339	18,314
Straws, Stirrers	1,372	298	2,195	7,448	2,932	50	1	11,851	28	0	3,838	1,359	800	167,674
Toys	884	149	931	1,398	813	8	7	3,063	2	0	714	273	181	44,618
TOTAL	38,336	6,881	42,374	80,583	39,057	1,664	137	178,189	365	37	82,152	18,293	10,725	2,345,730
OCEAN/WATERWAY ACTIVITI	ES													
Bait Containers/Packaging	294	34	471	719	339	212	4	654	0	2	863	191	57	19,849
Bleach/Cleaner Bottles	58	31	195	331	98	0	1	1,365	0	0	182	134	2	8,259
Buoys/Floats	23	169	96	605	266	3	0	363	0	0	238	174	16	12,031
Crab/Lobster/Fish Traps	6	16	1	418	44	0	0	150	0	0	80	8	0	5,019
Crates	23	10	26	113	17	1	0	111	0	0	61	10	0	2,523
Fishing Line	169	177	330	2,482	412	157	9	3,753	0	0	776	382	48	40,546
Fishing Lures/Light Sticks	43	94	156	489	206	24	6	1,130	24	0	293	71	57	11,817
Fishing Nets	25	21	32	276	72	1	0	511	0	0	139	55	3	6,095
Light Bulbs/Tubes	27	20	176	79	123	0	0	313	4	0	93	60	5	3,801
Oil/Lube Bottles	91	6	149	229	89	2	0	459	0	0	279	87	2	7,643
Pallets	10	36	57	58	33	0	0	290	0	0	11	20	5	2,943
Plastic Sheeting/Tarps	251	65	432	741	251	11	0	1,238	0	0	342	215	26	23,757
Rope	324	851	273	2.790	427	28	0	6,373	3	0	700	7.455	31	59,909
Strapping Bands	92	146	234	760	168	14	0	1,191	0	2	246	619	23	18,159
TOTAL	1,436	1,676	2,628	10,090	2,545	453	20	17,901	31	4	4,303	9,481	275	222,351
SMOKING-RELATED ACTIVITIE		3,510	2,023	33,333	_,			13,000		-	4000	3,101		
Cigarettes/Cigarette Filters	3,473	4,925	41,025	49,114	82,393	488	65	54,082	0	5	14,679	13,455	18,815	1,388,050
Cigarette Lighters	238	64	397	619	272	7	0	1,861	2	0	298	150	64	19,941
	1,819	71	1,105	1,309	4,625	23	0	4,661	0	0	769	284	734	79,039
Cigar Tips  Tobacco Packaging/Wrappers	487	153	1,098	1,248	776	38	0	1,395	0	3	1,089	903	115	39,221
		5,213					65		2					
TOTAL DUMBING ACTIVITIES	6,017	5,213	43,625	52,290	88,066	556	65	61,999	2	8	16,835	14,792	19,728	1,526,251
DUMPING ACTIVITIES						_							_	
Appliances (refrigerators, washers, etc.)	35	3	91	27	10	0	0	45	0	0	21	24	3	1,589
Batteries	69	11	158	70	1,351	5	0	381	0	0	81	47	10	7,587
Building Materials	681	761	1,469	2,002	1,092	14	0	3,291	0	0	863	419	100	49,118
Cars/Car Parts	248	16	329	417	121	4	0	673	0	1	197	122	4	11,196
55-Gallon Drums	9	0	28	5	5	0	0	25	0	0	15	3	8	521
Tires	167	14	446	117	45	0	0	220	0	0	640	157	32	9,287
TOTAL	1,209	805	2,521	2,638	2,624	23	0	4,635	0	1	1,817	772	157	79,298
MEDICAL/PERSONAL HYGIEN	IE													
Condoms	106	20	75	311	105	0	0	497	0	2	91	47	16	7,630
Diapers	63	25	105	187	66	5	0	705	0	0	193	75	23	5,457
Syringes	23	3	18	75	12	0	0	195	0	0	24	17	8	2,388
Tampons/Tampon Applicators	400	51	161	985	67	3	0	837	0	0	112	66	43	12,857
TOTAL	592	99	359	1,558	250	8	0	2,234	0	2	420	205	90	28,332
DEBRIS ITEM TOTALS	47,590	14,674	91,507	147,159	132,542	2,704	222	264,958	398	52	105,527	43,543	30,975	4,201,962

53

	COLUMBIA	
Start a Sea Chang	Ocean Co	
a Change	n Conservancy®	

		LAN	ID			UNDERV	WATER						
US STATE	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	us s
Alabama	3,467	85,874	282.1	4,726	6	350	1.0	12	3,473	86,224	283.1	4,738	Mon
Alaska	569	7,664	72.6	361	3	30	-	-	572	7,694	72.6	361	Neb
Arizona	158	2,945	132.1	127	155	1,034	5.6	114	313	3,979	137.7	241	Neva
Arkansas	672	41,325	39.0	79	96	1,395	4.0	48	768	42,720	43.0	127	New
California	81,808	1,382,437	2,441.7	5,977	557	4,746	16.8	158	82,365	1,387,183	2,458.5	6,135	New
Colorado	715	3,750	-	-	4	40	-	2	719	3,790	-	2	New
Connecticut	2,133	13,611	51.6	587	32	620	1.3	48	2,165	14,231	52.9	635	New
Delaware	2,002	15,339	79.1	830	-	-	-	-	2,002	15,339	79.1	830	Nort
District of Columbia	348	4,611	6.4	375	-	-	-	-	348	4,611	6.4	375	Ohio
Florida	22,585	316,923	1,106.5	9,615	118	1,340	28.2	67	22,703	318,263	1,134.7	9,682	Ore
Georgia	23,658	601,619	1,576.8	21,892	10	425	1.0	21	23,668	602,044	1,577.8	21,913	- Peni
Hawaii	2,363	38,781	78.7	839	90	3,289	6.0	23	2,453	42,070	84.7	862	Rho
Illinois	2,530	9,339	33.5	1,079	84	627	1.4	15	2,614	9,966	34.9	1,094	Sou
Indiana	776	2,895	23.4	350	109	685	4.0	51	885	3,580	27.4	401	
lowa	8	51	1.0	4	35	1	1.0	1	43	52	2.0	5	Sou <sup>-</sup>
Kansas	377	2,197	2.5	117	-	-	-	-	377	2,197	2.5	117	Tenr ——
Louisiana	572	7,111	52.2	454	-	-	-	-	572	7,111	52.2	454	Теха 
Maine	1,810	9,931	115.1	22	13	400	1.0	16	1,823	10,331	116.1	38	Utah ———
Maryland	1,109	18,493	10.7	628	-	-	-	-	1,109	18,493	10.7	628	Vern
Massachusetts	2,229	23,282	126.8	1,159	4	50	1.0	2	2,233	23,332	127.8	1,161	Virgi
Michigan	2,465	6,239	177.6	366	23	260	0.4	10	2,488	6,499	178.0	376	Was
Minnesota	291	1,021	22.6	29	6	15	2.3	-	297	1,036	24.9	29	Wise
Mississippi	3,205	46,873	190.5	3,022	-	-	-	-	3,205	46,873	190.5	3,022	Wyd
Missouri	293	3,073	2.2	419	89	1,800	0.1	20	382	4,873	2.3	439	US of C

\L				LAN	D			UNDERV	VATER			TOTAL				
MILES	BAGS	US STATE	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS	PEOPLE	POUNDS	MILES	BAGS		
283.1	4,738	Montana	-	-	-	-	4	25	0.1	4	4	25	0.1	4		
72.6	361	Nebraska	290	9,925	38.5	248	-	-	-	-	290	9,925	38.5	248		
137.7	241	Nevada	35	90	3.0	-	37	750	0.2	43	72	840	3.2	43		
43.0	127	New Hampshire	1,028	6,205	18.5	374	15	1,300	0.7	14	1,043	7,505	19.2	388		
2,458.5	6,135	New Jersey	2,756	21,857	100.1	1,464	50	400	-	20	2,806	22,257	100.1	1,484		
-	2	New Mexico	504	297,000	-	1,077	-	-	-	-	504	297,000	-	1,077		
52.9	635	New York	10,344	140,552	323.6	10,092	81	4,285	2.1	50	10,425	144,837	325.7	10,142		
79.1	830	North Carolina	18,346	520,592	1,379.0	18,031	87	250	2.0	15	18,433	520,842	1,381.0	18,046		
6.4	375	Ohio	1,005	13,954	64.6	1,168	217	2,400	1.8	285	1,222	16,354	66.4	1,453		
1,134.7	9,682	Oregon	1,013	6,624	3.5	352	29	100	1.0	17	1,042	6,724	4.5	369		
1,577.8	21,913	Pennsylvania	2,421	94,870	86.4	3,294	8	200	3.5	8	2,429	95,070	89.9	3,302		
84.7	862		2,303	22,048	75.7	1,184	44	144	0.5	16	2,347	22,192	76.2	1,200		
34.9	1,094			·		· 										
27.4	401	South Carolina	3,472	39,447	78.9	492	-	-	-	-	3,472	39,447	78.9	492		
2.0	5	South Dakota	32	550	5.3	36	-	-	-	-	32	550	5.3	36		
2.5	117	Tennessee	4	23	-	-	-	-	-	-	4	23	-			
52.2	454	Texas	8,811	196,762	131.0	32,666	563	9,221	2.0	155	9,374	205,983	133.0	32,821		
116.1	38	Utah	12	218	1.0	17	16	218	1.0	17	28	436	2.0	34		
10.7	628	Vermont	2	1	-	1	-	-	-	-	2	1	-	1		
127.8	1,161	Virginia	5,590	168,458	276.9	5,375	51	1,059	2.0	37	5,641	169,517	278.9	5,412		
178.0	376	Washington	1,075	23,624	99.2	170	35	1,815	4.0	40	1,110	25,439	103.2	210		
24.9	29	Wisconsin	788	2,056	20.7	14	99	3,991	3.1	109	887	6,047	23.8	123		
190.5	3,022	Wyoming	35	145	-	-	-	-	-	-	35	145	-	-		
2.3	439	US State & District of Columbia Totals	216,009	4,210,385	9,330.6	129,112	2,770	43,265	99.1	1,438	218,779	4,253,650	9,429.7	130,550		



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Each year, Ocean Conservancy provides a compelling global snapshot of marine debris collected and recorded at sites all over the world on a single day during the International Coastal Cleanup—the world's largest volunteer effort for the world's ocean and waterways. This year's report, Trash Travels: From Our Hands to the Sea, Around the Globe, and Through Time, reveals the data recorded by 498,818 volunteers in 108 countries and locations and 45 US states and the District of Columbia during Ocean Conservancy's 24th annual International Coastal Cleanup. They picked up and tallied 7.4 million pounds of marine debris.

Trash traveling to and throughout the ocean is one of the major pollution problems of our time. The comprehensive body of data compiled by Ocean Conservancy each year—the Marine Debris Index—is the only country-by-country, state-by-state, item-by-item accounting of trash in the ocean. The Marine Debris Index has informed efforts to reduce marine debris at the source, change the behaviors that cause it, and create better policies to reduce it.

This year's report explains how trash travels and why that matters. We've created the marine debris problem, and it's time we take responsibility for it. By working together across all boundaries, the global community—individuals, governments, nongovernmental organizations, and corporations—can solve this global pollution problem.



For More Information on Ocean Conservancy's International Coastal Cleanup please contact:

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