



THE *Beach* AND BEYOND



2019
Report



FIGHTING Ocean Plastics

IN ALL PLACES



GHANA



ARIZONA, USA



WASHINGTON, D.C., USA



VIETNAM

A MESSAGE FROM Ocean Conservancy's CEO



If there's one thing all superheroes have in common, it's that they wear some kind of costume to signal that they're ready for the fight ahead – a cape or armor, a mask or special amulets. The same can be said of real life heroes, too. Doctors suit up to go into surgery, firefighters suit up before entering blazing buildings, just to name a few. People suit up to get things done, to change the world, to take on problems of epic scale.

Unfortunately, ocean plastic *is* one such problem. An estimated 8 million metric tons of plastic waste flows into the ocean every year. That's the equivalent of one dump truck full of plastic every minute, every hour, every day going into the ocean. Ocean plastic doesn't just pollute our beaches and coastlines; it also impacts more than 800 species of marine life. And with plastic showing up in places as remote as Arctic ice and flowing into rivers hundreds of miles before reaching the ocean, we can't just focus on the beach. We have to fight ocean plastic on the beach ... **and beyond.**

That's why, in 2018, we urged people all over the world to "Suit Up to Clean Up" and join Ocean Conservancy's 33rd annual International Coastal Cleanup (ICC). More than 1 *million* volunteers heard our call and headed to their local beach, river or lake; rolled up their sleeves; and picked up trash – approximately 23 million pounds of it in just one day.

These are our highest numbers since the first ICC launched in 1986, and it's nothing short of heroic. On behalf of everyone at Ocean Conservancy, thank you for doing your part in this global fight for a clean, healthy ocean free of trash. Whether on a river in Arkansas or sun-kissed beach in Bali, everyone, everywhere can be an ocean hero.

My sincerest thanks,

A handwritten signature in blue ink that reads "Janis Jones". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

JANIS JONES
Chief Executive Officer, Ocean Conservancy

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TOP 10 ITEMS COLLECTED

1 CIGARETTE BUTTS
5,716,331



2 FOOD WRAPPERS
3,728,712



3 STRAWS, STIRRERS
3,668,871



4 FORKS, KNIVES, SPOONS
1,968,065



5 PLASTIC BEVERAGE BOTTLES
1,754,908



6 PLASTIC BOTTLE CAPS
1,390,232



7 PLASTIC GROCERY BAGS
964,541



8 OTHER PLASTIC BAGS
938,929



9 PLASTIC LIDS
728,892



10 PLASTIC CUPS, PLATES
656,276



THE Plastic Trash TREND



2017 became the first year that all of the top-ten most commonly found items during the International Coastal Cleanup were made of plastic (including cigarette butts, which contain plastic filters). Unfortunately – but not surprisingly – the trend continued in 2018.

Enough beverage cans to make full armor for **308** superheroes

Enough plastic bags to make plastic bag capes for **1,056,514** superheroes



CONTINUES



Enough balloons to make
17.5 superheros fly!

Topline

STATS

- 1,080,358** People
- 23,333,816** Pounds
- 10,584,041** Kilograms
- 22,301** Miles
- 35,890** Kilometers
- 97,457,984** Items Collected
- 122** Participating Countries



Enough trash to fill
1,557 semitrucks!

TINY TRASH

Big Impact

Tiny Trash are items measuring less than 2.5cm

- 45,748,045** PLASTIC PIECES
- 21,685,143** FOAM PIECES
- 2,808,975** GLASS PIECES
- 70,242,163** TOTAL TINY TRASH

Enough fishing line and rope
to lasso a villain over
143 miles away!



Weird Finds

AROUND THE WORLD



GAME CONSOLE



KEY



DENTURES



PLASTIC SWORD



BOW TIE



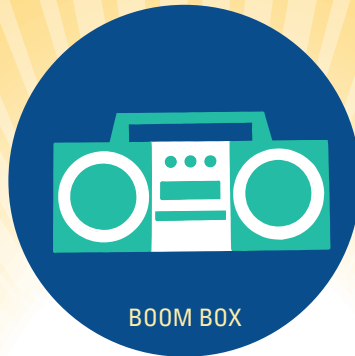
VACUUM CLEANER



ASTRONAUT TOY



CHANDELIER



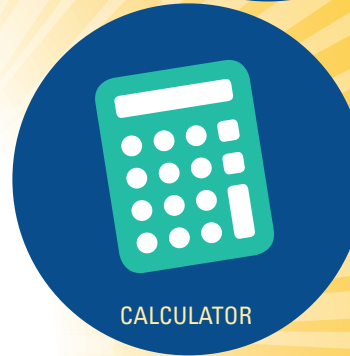
BOOM BOX



PLUNGER



CHRISTMAS TREE



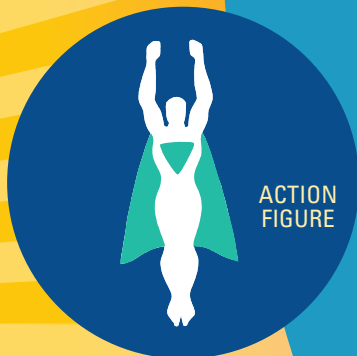
CALCULATOR



TOP 25

PARTICIPATING LOCATIONS

- 1 PHILIPPINES
- 2 UNITED STATES
- 3 HONG KONG
- 4 ECUADOR
- 5 TANZANIA
- 6 SOUTH AFRICA
- 7 DOMINICAN REPUBLIC
- 8 TAIWAN
- 9 MEXICO
- 10 UNITED KINGDOM
- 11 CANADA
- 12 CHILE
- 13 CHINA
- 14 THAILAND
- 15 INDONESIA
- 16 SRI LANKA
- 17 JAMAICA
- 18 KENYA
- 19 PUERTO RICO
- 20 MALAYSIA
- 21 PANAMA
- 22 NORWAY
- 23 INDIA
- 24 PERU
- 25 VENEZUELA



FROM THE *Inland* *Out*



Colorado is about as far from the ocean as you can get among U.S. states, but since 2014 it has been home to a strong and growing International Coastal Cleanup effort thanks to the incredible work of a local community organization there, the Fountain Creek Watershed Flood Control and Greenway District, and their Outreach Coordinator Alli Schuch.

“Even though we’re not near a coast, we wanted to create awareness of our local community’s impacts on the entire Fountain Creek Watershed and our downstream neighbors – including the ocean,” she explains. Beginning near Pike’s Peak in the Rocky Mountains, Fountain Creek flows through several Colorado communities before reaching the Arkansas River to the south, eventually flowing into the Gulf of Mexico and out into the Atlantic Ocean. To highlight the larger inland-ocean connection, Alli founded “Creek Week” – nine days of area cleanups where everyone can

get involved. In 2018, nearly 100 different teams participated.

“Anyone of any age or ability can participate in one of our cleanups and make a real contribution in just an hour or two,” Alli says. “Our slogan here is ‘pick a day, pick a location, and pick it up.’”

As is the case with ICC events around the world and in vastly different geographies, Creek Week volunteers tend to find many of the same items over and over again: cigarette butts, fast food wrappers, and other plastics (and the occasional, larger dumped item like a tire or refrigerator).

“I think people are oftentimes surprised by the amount of garbage that’s out there,” notes Alli. Creek Week has had many “ripple effects,” including increased participation in other cleanups throughout the year.

“A cleanup is simple way to connect people to the natural environment and our numerous watershed management issues. We hope people will be



inspired to take the next steps to do more.” Since first starting Creek Week, volunteer turnout has increased by 350%.

And it’s not just on creeks. “Sometimes people think, ‘Well, I don’t have a creek in my neighborhood,’” says Alli. “But that’s another one of our educational messages: Whatever is on the land will eventually make its way into the water. So cleaning up a sidewalk or a street – where debris can flow into a storm drain – is an easy thing to do to protect our creeks and the ocean.”

PRESIDENT OF SRI LANKA

Maithripala Sirisena participates in a monumental cleanup effort at Dadalla Beach.



CHILE



MALAWI



PHILIPPINES



GREECE

Underwater CLEANUPS

134,117 Items Collected

444 Miles of Underwater Habitat
(715 KM)

80,597
(36,558 KG)
Pounds of Trash Collected

7,867
Divers



IN PARTNERSHIP WITH PROJECT AWARE

To find out more or to get involved under the surface, check out our partner Project AWARE at www.projectaware.org/diveagainstd debris.

FROM THE *Inland Out*

OCEAN HEROES OVERCOMING DISASTER:

Spotlighting the Northern Mariana Islands and Florida, USA

While some cleanups may involve a walk on the beach, they aren't always a walk in the park. Each year, International Coastal Cleanup events are delayed or cancelled due to natural disasters that often aggravate the ocean trash problem, and 2018 was no different. A number of devastating storms struck communities during the cleanup season and many ICC coordinators and volunteers dealt with much larger cleanups than anticipated.

In the Northern Mariana Islands (NMI), Typhoon Mangkhut approached the island of Rota in September with winds of over 120 miles per hour. William Pendergrass, ICC Coordinator for NMI through the Bureau of Environmental and Coastal Quality, explained, "The eye of the typhoon went directly over the island of Rota, causing significant and extensive damage to power and water infrastructure, residential homes, businesses and the island's natural resources." Still, he noted, "The island

of Rota and its people are very resilient and although the island sustained extensive damage as a result of Super Typhoon Mangkhut, Rota residents, government agencies and public schools rallied together and came out to volunteer their services to clean the island of debris on September 28."

In the Gulf of Mexico, communities faced a different ocean issue in September. An especially long-lasting red tide event – a bloom of algae species that is worsened by factors including nutrient run-off – affected multitudes of marine life and was a human health concern, too. "Unfortunately, we had to cancel the 2018 ICC cleanup event in Sarasota due to the lingering effects of the red tide outbreak," said Wendi Crisp, ICC Coordinator in Sarasota, Florida, with Keep Sarasota Beautiful. For people, the bloom can cause coughing and sneezing and irritate the eyes. Luckily, many communities in Florida already conduct year-round cleanups outside

of ICC season. Red tide events are natural occurrences but, much like storms, can be magnified by human activities. During cleanup season, we're feeling the impact our actions have on our blue planet, ocean trash and beyond.

SWITZERLAND



2018

GoodMate

WATERCRAFT CLEANUPS

31,366

Pounds
(14,227 KG)

498

Miles
(801 KM)

2,220

People

399,692

Total Items Collected



ENGLAND



MAURITIUS



PHILIPPINES



CAMEROON



MOROCCO

Great British Beach Clean ANNIVERSARY

Nothing rubbish about this: 2018's Great British Beach Clean was the biggest beach cleanup that the United Kingdom has ever seen! Just short of 14,000 volunteers took to the shores of the UK, doubling in number from the previous year. After a year when the issue of marine debris made serious waves in British popular culture, it's no wonder that UK citizens were motivated to turn out and make a difference in their own communities. In 2017, BBC's iconic "Blue Planet II" series was the most-watched TV show in the country, and the trend continued with the release of BBC's "Drowning in Plastic" documentary and Sky News channel's Ocean Rescue campaign.

The so-called "Blue Planet" effect was felt across the whole of the United Kingdom as volunteers at nearly

500 beaches collected 8,550 kgs (18,849 lbs) of litter. The UK government even began to take action on marine debris, passing legislation on bans of certain single-use plastics. According to Lauren Eyles, Beachwatch Programme Manager and ICC Coordinator at the Marine Conservation Society, "It feels that we are on the precipice of being able to make positive changes when it comes to our plastic addiction."

"We were blown away by the amount of engagement," said Lauren. "On the event's 25-year anniversary, the UK became the tenth highest participating country worldwide in the ICC."

CONNECTING *Ocean Heroes*

#SuitUpToCleanUp

Whether it's with a sidekick or alongside an entire league of fellow champions, heroes never work alone. The same can be said of those fighting on the frontlines against ocean plastic pollution. Through Ocean Conservancy's Clean Swell mobile app and #suituptocleanup campaign, connecting with fellow ocean heroes the world over has never been easier.



CALIFORNIA, USA



THAILAND



FLORIDA, USA



keepinellasbeautiful
Sunshine Skyway Bridge

Numerous amazing partners including @theplanetlovelife, @eckerdlife, @jennareese, @fraflower, and @thetwenty_fifthbaam hosted an incredible cleanup this morning that removed **785lbs of trash** from North Skyway Beach! Thank you everyone who attended. You are all awesome!

#keepinellasbeautiful
#dobeautifulthings
#suitoctocleanup
#EstuariesWeek

59 likes
SEPTEMBER 23, 2018

reptedeutch

reptedeutch This weekend I'm going to #suitoctocleanup

The **Ocean Conservancy International Coastal Cleanup** has multiple locations in South Florida. Check out the map and join us on Sept 15! suitoctocleanup.org

26 likes
SEPTEMBER 18, 2018

SUIT UP TO CLEAN UP SEPT 15



noaasanctuaries
Papahānaumokuākea Marine National Monument

Tomorrow is the **#InternationalCoasta-Cleanup!** Will you be joining in to help make our ocean and beaches cleaner and safer for marine life? You can learn more and find an event near you at the link in our profile. Last year's cleanup resulted in more than 10,000 tons of trash collected by over 789,000 volunteers covering almost 18,000 miles!

#SuitUpToCleanUp
(Photo: Ryan Tabata/NOAA)



BUILD A Clean Swell

With Clean Swell™, join a global community working to improve our ocean by adding vital data to the world's largest database on marine debris. This database is used by scientists, conservation groups, governments and industry leaders to study ocean trash and take action to ensure trash never reaches our beaches.



2018 saw a flurry of scientific papers on plastic in the environment and in the ocean. Several new papers showed the scope of microplastics in drinking water, while we learned even more about how far and wide microplastics have been able to travel. And scientists continue to study the impacts of plastics and microplastics on marine animals. Here are some of the most impactful findings.



Dr. Chelsea Rochman

Assistant Professor at the University of Toronto and Ocean Conservancy Science Advisor



Czech researchers examined both raw and treated water samples from three water treatment plants supplied by different bodies of water, and microplastics were found in every sample. Scientists in Germany detected microplastic particles in drinking water from ground water sources. And another German study examined 32 samples of different bottled mineral waters, and found that all were contaminated with microplastics.

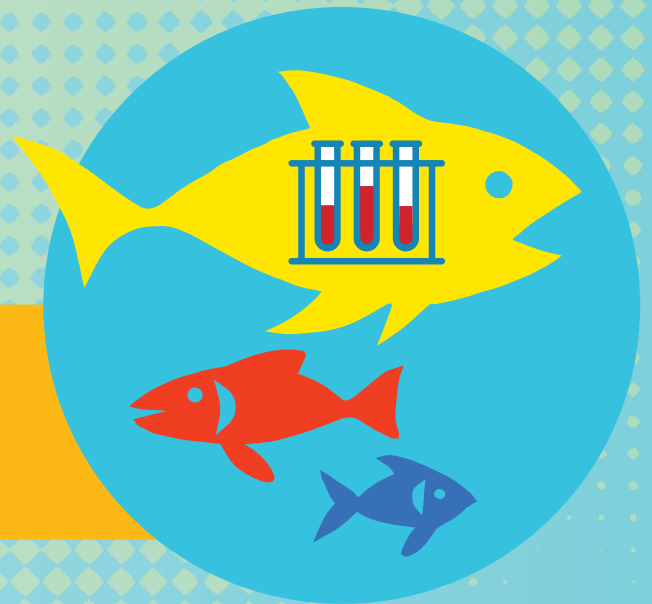
Scientists have found that marine species including coral, mussels, oysters and barnacles can travel long distances on plastic marine debris, sometimes leading to disruptions in their new destination environment. One study found that a single dock washed away during the Japanese tsunami of 2011 brought more than 100 species of sea life to the shores of Oregon, where it finally landed in 2012.



SHOW ME THE **Science**

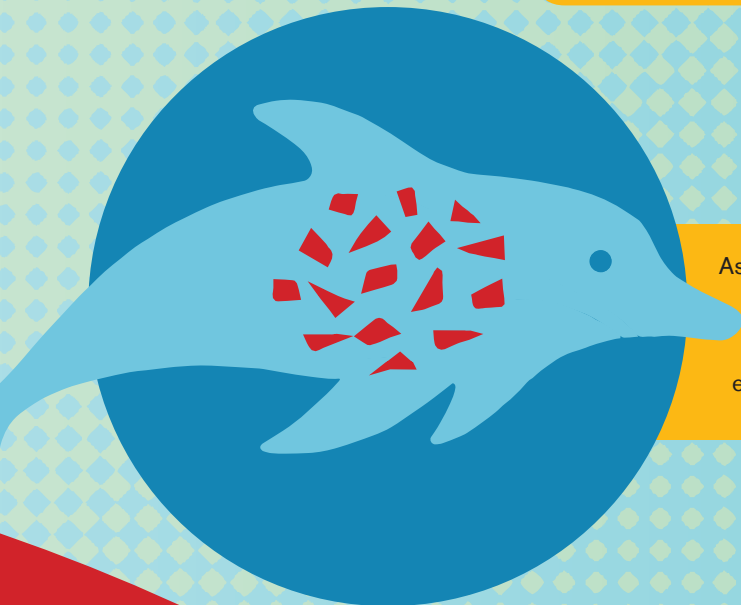
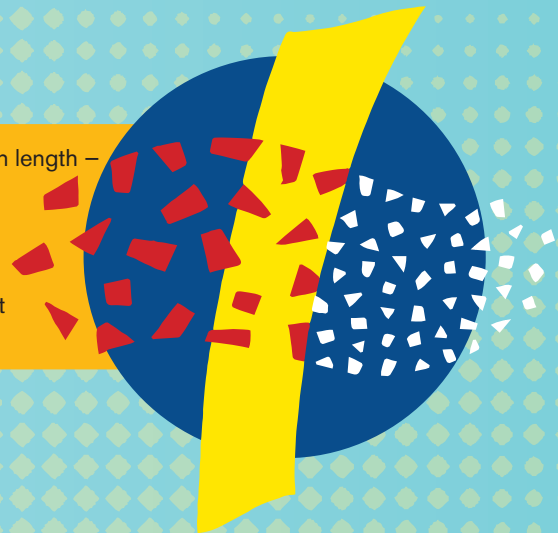
Scientists at the University of Hawaii found that commonly used plastics like polyethylene (think plastic bags and bottles) release two powerful greenhouse gases, methane and ethylene, when exposed to solar radiation or water. The rate of production of these gases increases over time.

Scientists in the Netherlands developed a model showing that plastics can transfer chemicals to animals, causing bioaccumulation and magnification of some chemicals in aquatic food webs. This means that plastics can cause some chemicals to accumulate in animals with increasing concentrations as they move up a marine food chain.



Scientists from the Alfred Wegener Institute for Polar and Marine Research analyzed sea ice cores at five different Arctic locations and found that even in these remote regions, microplastics are present. They concluded that some microplastics come from localized sources, while others come from atmospheric circulation – meaning that increasing exploitation of Arctic resources will likely lead to a higher microplastic load in Arctic sea ice. Another study examined remote mountain regions of Europe and found microplastic in the snow, highlighting the atmosphere as a route for microplastics to travel the globe and enter various regions.

Microplastics – plastic pieces less than 5mm in length – have made many headlines, but will nanoplastics be next? Australian researchers showed that microplastics consumed by Antarctic krill break up into even smaller pieces called nanoplastics and can travel not only through the digestive tract but across its membranes.



As **marine mammals** continue to wash up on shores, scientists are learning more about the effects that plastics might be having on them. Researchers in Spain studying stranded dolphins discovered microplastics in the guts of every single dolphin found stranded on the Galician coast.

GOING BEYOND

THE

Beach

Any way you cut it, 2018 was a huge year for the International Coastal Cleanup. For the first time ever we had more than 1 MILLION volunteers participate. We are so proud of and grateful for the cleanup coordinators and volunteers who made that possible – and who continue to spread the message of ocean conservation throughout the year.

Our numbers were bolstered by the amazing new partnerships we cemented over the year, too – another cause for celebration. We worked closely with the Indonesian government – host of the 2018 Our Ocean Conference – to mobilize thousands of volunteers to clean up a Bali beach on ICC day, tripling the number of ICC volunteers in Indonesia over the previous year. Brands like Discovery's Shark Week, Swiss watchmaker Breitling and their "Surfers Squad" of world champion surfers, and others helped us raise awareness of the ocean plastic pollution problem and magnified our reach. Pop culture celebrities like Ke\$ha, The Red Hot Chili Peppers, Jared Leto, and Julia Roberts encouraged their fans to

"Suit Up to Clean Up" and join the movement. Simply put: the 2018 ICC raised the bar.

Of course we need more than cleanups to end the plastic pollution crisis. But Ocean Conservancy raised the bar there, too, continuing to take on the challenge in all places and from all angles.

Emerging research was surfaced by advisors, researchers and scientists at the 6th International Marine Debris Conference, highlighting incredible advancements on this issue, but also emphasizing the extent of the research gaps that remain. Members of our Trash Free Seas® program team met with G7 environment ministers, briefed the G20 group of countries, and laid the groundwork for the 2019 launch of our partnership with APEC (Asia Pacific Economic Cooperation) host economy Chile.

We continued to push for improvements in waste collection and recycling in parts of the world that need it most. Working with the Trash Free Seas Alliance® and our friends at Closed Loop Partners we officially launched Circulate Capital, the world's only investment management firm that focuses on preventing plastic from leaking into the ocean. In October, Circulate Capital announced that it

had raised more than \$100 million to put toward projects in South and Southeast Asia, where the ocean plastic problem is most dire.

Recognizing that we must also reduce our reliance on disposable single-use plastic, we supported new ICC partner Starbucks in announcing that they would phase out plastic straws thanks to a newly redesigned (and recyclable) strawless lid. It was a shining example of the important role that companies – and innovation – can play in stemming the tide of ocean plastic.

Knowing that we cannot address the ocean plastic crisis without addressing the threat of ghost gear – lost or abandoned fishing gear like nets, traps and other equipment – Ocean Conservancy also became Lead Partner of the Global Ghost Gear Initiative (GGGI).

And in our headquarter city of Washington, D.C., Ocean Conservancy worked with U.S. lawmakers to pass the Save Our Seas (SOS) Act. Signed





NORTH PACIFIC GYRE



VIETNAM



MAINE, USA

AND SPEAKING OF Ghost Gear

During the 2018 International Coastal Cleanup the National Oceanic and Atmospheric Administration (NOAA) sued up against plastic pollution to clear derelict fishing equipment from the remote Northwestern Hawaiian Islands. Home to beautiful coral reefs, endangered Hawaiian monk seals, and threatened green sea turtles, these ecologically and culturally significant islands sit directly in the path of the North Pacific Gyre. The debris that collects on their shores and reefs has created an urgent threat to the health of the islands and reefs as well as to the organisms that call them home.

While regular cleanups take place on the big islands through ICC coordinator Keep the Hawaiian Islands Beautiful, the remote Northwest Hawaiian Islands aren't as easy to access. Working from ships and small boats, the NOAA team removed more than 166,000 pounds of abandoned fishing gear and other plastics from the islands. Their massive undertaking not only freed entangled sea life and corals, it also generated valuable data to help us better understand and fight back against the global ghost gear problem.

into law in October, SOS reauthorized the National Oceanic and Atmospheric Administration's Marine Debris Program while calling on the U.S. State Department to engage allies to address the marine debris problem internationally.

With some 8 million metric tons of plastic entering the ocean every year, there is a lot of work to do. The good news is that everyone has a role to play, whether on the beach or beyond it. Thank you for playing your part!

Supporting Partners

American Express joined the ICC community in 2018 through cleanups on 4 continents, with 500 employee volunteers removing and recording over 17,000 individual ocean trash pieces.



BANGLADESH



MALAYSIA

The **Coca-Cola Foundation** has supported the ICC for more than two decades, with employee cleanups around the world. Coca-Cola Beverages Florida joined forces with Ocean Conservancy to collect trash and recyclables from Tampa and St. Petersburg area beaches. The cleanup mobilized more than 150 volunteers and kicked off a pilot program with The Coca-Cola Company to turn all the recovered beverage bottles into new Coca-Cola 20-ounce bottles.

A supporter of the ICC since its inception, **Dow** amplified its employee cleanup effort in a big way in 2018, with more than 5,600 employees removing over 51,000 pounds of trash at 55 cleanup spots worldwide.

A new partner of the Cleanup, **PACIFIC LIFE** made a splash in the spring with employee cleanup events in Orange County, CA; Omaha, NE; and Lynchburg, VA. These events contributed to a year-long celebration marking the company's 150th anniversary.

CALIFORNIA, USA



JAPAN





Bank of America has partnered with the ICC since 2000. From Asia to Europe to the USA and dozens of other locations across the globe, employees have joined the cleanup in full force ever since. In the last three years alone, they removed 55,147 pounds of trash along 82 miles of waterways and coastlines.

- The Coca-Cola Foundation
- Bank of America
- American Express
- The Panaphil and Uphill Foundations











- Breitling
- The CVS Health Foundation
- The Dow Chemical Company
- The Forrest C. & Frances H. Lattner Foundation
- National Oceanic and Atmospheric Administration
- Pacific Life Foundation
- Brunswick Public Foundation
- Cox Enterprises, Inc.
- The Martin Foundation
- Norwegian Cruise Line Holdings Ltd.
- Amcor Limited
- ITW
- Owens-Illinois Inc.
- The Philip Stephenson Foundation

OUTREACH PARTNERS

- Keep America Beautiful
- Project AWARE
- United Nations Environment
- Waterkeeper Alliance





COUNTRY/LOCATION						
	PEOPLE	POUNDS	KILOGRAMS	MILES	KILOMETERS	TOTAL ITEMS COLLECTED
ALBANIA	1	1	0.5	0.1	0.2	6
ALGERIA	10	98	44	0.3	0.4	-
ARGENTINA	781	9,310	4,223	3.9	6.2	47,652
ARUBA	11	8	3	1.7	2.7	68
AUSTRALIA	1,707	13,794	6,257	147.1	236.7	35,254
AZERBAIJAN	598	10,543	4,782	1.0	1.6	867
BANGLADESH	520	2,648	1,201	3.1	5.0	20,884
BARBADOS	389	1,953	886	3.5	5.6	58
BELGIUM	122	1,161	527	12.0	19.3	309
BELIZE	1,433	13,232	6,002	27.6	44.4	72,570
BERMUDA	725	8,395	3,808	16.5	26.5	35,446
BONAIRE	210	1,313	596	5.5	8.8	4,725
BRAZIL	2,265	25,612	11,617	77.5	124.7	83,204
BRUNEI	935	17,991	8,160	97.6	157.0	15,539
BULGARIA	14	29	13	0.1	0.2	160
CAMBODIA	109	3,092	1,402	1.3	2.1	14,739
CAMEROON	530	403	183	0.3	0.4	39,256
CANADA	14,427	122,847	55,722	972.5	1,565.0	428,716
CAYMAN ISLANDS	2	17	8	3.3	5.3	283
CHILE	14,156	379,087	171,951	18.7	30.1	269,541
CHINA	10,991	279,061	126,580	124.2	199.8	96,533
COLOMBIA	778	7,918	3,592	16.3	26.3	20,226
COSTA RICA	585	3,065	1,390	5.8	9.3	25,621
CROATIA	33	1,101	500	9.2	14.8	9
CURAÇAO	236	1,410	639	11.3	18.2	9,322
CYPRUS	210	326	148	1.9	3.1	4,537
CZECH REPUBLIC	4	8	4	0.3	0.4	1
DENMARK	8	10	5	2.4	3.8	183
DOMINICAN REPUBLIC	17,277	310,372	140,782	62.6	100.7	538,281
ECUADOR	55,032	307,005	139,255	627.7	1,010.1	908,101
EGYPT	57	482	219	1.8	2.9	285
EL SALVADOR	50	1,504	682	0.3	0.4	10
ETHIOPIA	5	31	14	0.3	0.4	-
FIJI	21	258	117	1.0	1.6	145
FINLAND	16	484	220	0.8	1.2	380
FRANCE	34	825	374	2.1	3.4	1,191
GERMANY	1,156	5,252	2,382	62.3	100.3	44,431
GHANA	3,829	186,973	84,809	20.6	33.1	75,449,133
GIBRALTAR	8	330	150	0.4	0.6	366
GREECE	4,082	10,381	4,709	28.1	45.2	121,959
GRENADA	129	1,094	496	2.7	4.4	12,832
GUAM	1,373	9,642	4,373	2.9	4.7	372
GUATEMALA	43	397	180	0.9	1.4	381
GUERNSEY	187	32	14	1.0	1.6	3,889
GUYANA	323	3,302	1,498	2.1	3.4	20,246
HONDURAS	66	1,778	806	6.0	9.6	2,035
HONG KONG	188,922	13,656,714	6,194,581	1,372.5	2,208.9	13,927
ICELAND	13	210	95	0.2	0.3	744
INDIA	7,393	44,643	20,250	240.4	387.0	86,897
INDONESIA	10,081	20,242	9,182	214.9	345.9	139,137
IRELAND	3,707	45,783	20,767	167.5	269.6	7,534
ISRAEL	253	1,968	893	2.8	4.5	9,951
ITALY	236	5,741	2,604	10.0	16.0	11,561
JAMAICA	9,573	104,864	47,566	132.9	213.9	774,077
JAPAN	4,541	32,155	14,585	187.4	301.6	162,164
JERSEY	43	92	42	1.1	1.7	284
KENYA	9,564	53,267	24,162	938.7	1,510.8	291,965
KUWAIT	101	176,001	79,833	0.1	0.2	-
MACAU	100	790	358	0.3	0.5	11,102
MACEDONIA	1	1	0.5	0.1	0.2	8
MALAWI	353	9,757	4,426	6.5	10.5	293,731
MALAYSIA	9,280	38,910	17,649	1,098.7	1,768.2	347,174

TOP 10 ITEMS COLLECTED GLOBALLY











1	2	3	4	5	6	7	8	9	10
 CIGARETTE BUTTS	 FOOD WRAPPERS (CANDY, CHIPS, ETC.)	 STRAWS, STIRRERS	 FORKS, KNIVES, SPOONS	 PLASTIC BEVERAGE BOTTLES	 PLASTIC BOTTLE CAPS	 PLASTIC GROCERY BAGS	 OTHER PLASTIC BAGS	 PLASTIC LIDS	 PLASTIC CUPS, PLATES
-	-	1	-	3	-	-	-	1	-
-	-	-	-	-	-	-	-	-	-
4,662	4,925	900	2,094	5,302	3,294	5,715	8,352	1,138	377
1	2	-	2	4	-	1	-	-	3
5,573	1,447	688	194	731	1,189	662	113	417	508
-	124	-	-	104	31	-	-	-	-
8,329	4,251	418	102	587	258	321	418	623	71
-	2	-	2	1	3	-	-	1	4
70	27	8	6	13	26	9	3	2	5
1,330	4,621	3,042	2,131	4,727	7,921	2,134	3,181	1,149	2,335
6,920	1,354	450	358	1,064	1,795	202	510	315	391
1,380	102	74	80	46	125	19	3	11	39
20,032	4,178	5,052	555	2,510	5,172	3,751	276	625	2,726
1,513	1,068	382	416	2,691	1,532	748	195	273	592
28	-	1	1	12	9	9	-	7	-
407	529	983	321	2,674	445	814	2,127	189	817
484	855	323	85	19,389	2,697	411	139	1,585	38
167,811	26,760	9,602	3,183	9,309	22,311	374	10,969	167	4,853
2	8	-	7	34	89	-	-	3	2
73,405	16,881	4,401	2,896	9,776	13,520	7,441	5,360	8,488	3,420
1,026	6,861	510	364	4,964	5,262	3,428	2,748	31	1,015
1,470	770	837	427	1,817	400	242	429	1,561	635
127	638	3,390	238	154	18,772	49	73	14	70
-	1	-	-	1	1	1	-	-	-
3,090	182	885	215	303	106	261	6	136	707
2,770	248	391	54	52	128	13	2	34	32
-	-	-	-	-	-	-	-	-	-
56	46	3	-	-	2	9	-	2	-
15,264	7,837	14,525	19,708	24,878	26,152	16,077	17,294	43,328	33,890
56,428	66,346	17,101	32,409	59,260	41,838	49,129	59,255	34,150	61,093
5	13	2	3	7	4	5	6	1	3
-	-	-	-	10	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	10	3	1	55	3	10	2	1	1
65	-	-	5	43	1	4	-	-	4
11	7	-	3	328	12	42	-	-	3
19,808	3,654	521	813	351	998	842	86	1,203	133
3,561,310	904,335	2,968,041	1,622,199	75,152	153,390	12,488	22,919	32,649	23,420
-	4	-	2	25	3	23	-	1	3
18,302	1,178	5,327	102	3,277	6,249	1,973	174	2,187	2,652
240	1,249	90	117	705	211	638	17	369	392
24	35	11	12	35	23	18	-	5	12
60	20	-	50	40	30	10	15	20	20
657	397	-	35	45	65	30	10	-	3
182	632	731	815	5,521	1,552	425	620	312	1,364
33	86	24	31	779	37	90	39	13	46
271	224	301	205	342	332	363	-	157	202
1	1	2	-	63	44	49	-	-	1
7,993	11,091	1,812	1,448	6,511	3,437	8,522	3,905	1,788	8,354
33,760	10,920	10,704	2,061	8,837	7,867	4,279	6,048	3,789	3,084
853	589	149	102	381	536	215	30	150	67
3,313	262	225	105	182	282	262	234	64	425
3,936	260	338	41	103	485	58	24	67	46
8,611	28,937	11,801	15,510	261,945	91,718	18,488	30,740	8,003	27,985
9,855	8,998	2,576	178	12,046	7,998	4,552	7,708	4,143	778
63	15	-	10	30	11	-	-	-	10
2,938	32,855	5,977	818	40,807	31,639	1,749	75,262	3,207	4,312
-	-	-	-	-	-	-	-	-	-
-	492	708	120	1,500	990	60	192	-	180
3	-	1	1	1	-	-	-	-	-
12,810	11,018	382	5,246	13,451	14,208	61,132	9,936	2,158	28,352
46,746	19,520	18,279	5,816	50,699	16,707	25,958	4,251	4,962	8,159

2018 Ocean Trash Index





INTERNATIONAL CLEANUPS

COUNTRY/LOCATION						
	PEOPLE	POUNDS	KILOGRAMS	MILES	KILOMETERS	TOTAL ITEMS COLLECTED
MALDIVES	103	1,084	492	7.9	12.7	17,176
MALTA	123	3,788	1,718	10.3	16.6	4,106
MAURITIUS	422	14,450	6,554	11.4	18.4	25,041
MEXICO	15,257	151,080	68,415	192.6	310.0	393,450
MONTENEGRO	1	1	0.5	0.1	0.2	6
MOROCCO	34	1,545	701	0.9	1.4	970
MOZAMBIQUE	557	3,114	1,412	23.0	37.0	36,787
NEPAL	3	66	30	0.1	0.2	5
NETHERLANDS	435	789	358	25.3	40.7	4,793
NEW ZEALAND	177	1,255	569	14.5	23.3	6,811
NICARAGUA	304	1,870	848	6.2	10.0	7,340
NIGERIA	269	2,138	970	1.4	2.3	20,392
NORTHERN MARIANA ISLANDS	941	4,504	2,043	93.7	150.8	36,371
NORWAY	7,871	106,143	48,146	161.0	259.2	28,728
OMAN	28	31	14	0.1	0.2	522
PALAU	15	440	200	0.6	1.0	585
PANAMA	9,267	146,727	66,554	28.7	46.2	288,696
PARAGUAY	70	2,703	1,226	3.1	5.0	2
PERU	7,178	291,921	132,413	12.2	19.6	11,595
PHILIPPINES	276,120	798,104	362,014	1,076.2	1,731.9	7,866,415
POLAND	30	140	63	0.4	0.7	672
PORTUGAL	259	1,195	542	9.7	15.6	23,260
PUERTO RICO	9,557	117,739	53,405	273.7	440.4	382,064
QATAR	55	770	349	0.9	1.4	829
RUSSIA	142	493	224	3.7	6.0	558
SABA	29	254	115	0.6	1.0	1,587
SAMOA	34	57	26	0.2	0.3	918
SAUDI ARABIA	29	277	126	0.9	1.5	655
SENEGAL	68	1,478	670	3.5	5.6	2,519
SEYCHELLES	317	401	182	140.3	225.7	5,947
SIERRA LEONE	200	1,323	600	1.0	1.6	-
SINGAPORE	3,580	30,270	13,730	19.9	32.0	171,464
SINT MAARTEN	151	1,762	799	0.5	0.8	812
SLOVENIA	340	4,212	1,911	1.3	2.1	356
SOUTH AFRICA	19,563	30,331	13,758	224.7	361.6	274,868
SOUTH KOREA	4,276	335,217	152,052	51.2	82.4	75,530
SPAIN	2,284	15,069	6,835	31.0	49.8	9,326
SRI LANKA	9,649	71,289	32,336	68.4	110.1	238,455
ST. HELENA	178	3,275	1,485	1.9	3.1	26,032
ST. KITTS & NEVIS	286	1,524	691	4.0	6.4	10,421
ST. LUCIA	223	7,842	3,557	3.8	6.1	15,361
ST. VINCENT AND THE GRENADINES	27	2,260	1,025	0.6	0.9	5,445
SURINAME	96	1,213	550	0.8	1.3	10,849
SWEDEN	2,227	23,526	10,671	157.4	253.3	1,447
SWITZERLAND	525	5,410	2,454	41.0	66.0	3,158
TAIWAN	15,939	60,960	27,651	30.4	48.9	296,575
TANZANIA	31,361	1,028,236	466,400	64.7	104.2	10,784
THAILAND	10,933	33,194	15,057	126.2	203.2	224,377
THE BAHAMAS	902	4,585	2,080	39.1	63.0	31,538
TRINIDAD AND TOBAGO	3,767	38,090	17,277	25.7	41.4	174,109
TURKEY	793	3,076	1,395	13.7	22.1	11,571
U.S. VIRGIN ISLANDS	643	3,554	1,612	17.8	28.6	23,183
UKRAINE	48	2,787	1,264	1.9	3.0	4,292
UNITED ARAB EMIRATES	578	7,600	3,447	21.7	34.9	15,882
UNITED KINGDOM	14,527	22,273	10,103	143.3	230.6	301,916
UNITED STATES	226,889	3,867,269	1,754,164	11,961.9	19,250.8	5,106,515
URUGUAY	2,001	8,819	4,000	67.0	107.8	28,801
VANUATU	223	1,113	505	14.3	23.0	20,749
VENEZUELA	6,230	70,416	31,940	76.8	123.6	331,170
VIETNAM	859	5,286	2,398	6.4	10.3	17,002
LOCATION NOT RECORDED	11,726	51,768	23,482	217.7	350.4	367,190
GRAND TOTAL	1,080,358	23,333,816	10,584,041	22,301.3	35,890.3	97,457,984











TOP 10 ITEMS COLLECTED GLOBALLY

1	2	3	4	5	6	7	8	9	10
 CIGARETTE BUTTS	 FOOD WRAPPERS (CANDY, CHIPS, ETC.)	 STRAWS, STIRRERS	 FORKS, KNIVES, SPOONS	 PLASTIC BEVERAGE BOTTLES	 PLASTIC BOTTLE CAPS	 PLASTIC GROCERY BAGS	 OTHER PLASTIC BAGS	 PLASTIC LIDS	 PLASTIC CUPS, PLATES
560	404	25	39	6,106	5,861	193	35	12	19
847	34	104	32	494	95	470	3	32	33
2,844	1,332	93	57	3,902	326	246	1,696	99	245
87,494	12,471	10,493	7,332	31,342	36,166	10,557	10,371	13,472	8,137
-	-	-	-	1	1	-	-	1	-
151	20	5	13	-	20	1	210	-	12
365	207	373	152	1,751	6,710	493	620	1,594	197
-	-	-	-	-	-	-	-	-	-
824	422	67	37	298	160	169	-	83	102
283	209	141	31	172	464	882	55	78	36
273	935	62	38	1,354	844	435	568	308	113
299	3,027	772	1,216	1,660	3,851	87	467	2,395	2,467
7,440	1,862	494	677	2,577	1,872	1,003	1,068	283	446
2,934	7	254	210	2,030	1,220	1,270	53	7	35
20	53	5	-	133	150	12	-	-	6
55	21	68	5	-	12	25	80	4	8
1,774	11,603	4,046	10,582	70,817	10,091	10,141	6,875	4,742	5,297
-	-	-	-	-	-	-	-	-	-
908	961	782	806	1,303	1,427	1,119	5	280	1,494
434,275	2,029,991	283,720	132,574	479,061	335,640	491,970	482,325	399,224	274,938
85	54	11	5	27	58	33	-	23	16
9,577	480	344	40	530	497	148	192	188	294
46,526	10,620	31,639	10,472	25,210	23,480	4,890	6,674	21,354	15,279
10	150	3	12	109	28	50	-	10	19
5	-	68	-	56	10	118	-	-	-
242	57	90	21	70	56	17	11	4	103
82	116	35	14	30	54	105	-	20	26
1	13	16	24	26	195	14	-	70	36
133	143	54	12	998	114	148	32	6	55
32	77	45	8	252	82	-	5	61	1
-	-	-	-	-	-	-	-	-	-
24,687	9,509	11,453	1,692	13,296	6,374	3,302	8,082	1,625	4,670
56	20	27	-	215	20	30	25	15	-
-	27	6	6	16	4	4	4	1	8
38,702	17,766	13,096	2,232	10,803	20,991	5,610	4,741	5,395	1,389
7,906	2,974	2,392	1,280	4,218	2,946	274	6,652	1,449	1,696
1,429	1,238	206	146	789	216	388	120	103	233
6,859	24,865	4,733	1,609	50,271	23,671	16,041	7,570	2,954	4,511
2,026	602	427	263	2,708	773	99	-	774	5
3	56	94	120	1,454	2,409	40	184	263	116
915	704	170	464	3,050	1,735	334	386	148	625
-	45	1	54	1,927	361	15	32	220	163
-	-	-	-	6,650	-	100	-	-	-
162	139	36	11	32	28	99	32	1	39
303	90	9	4	466	51	74	-	8	26
7,136	6,561	37,456	572	37,538	31,784	12,375	1,263	1,354	15,538
1	2	-	-	34	3,822	4,335	4	-	1
11,743	14,470	15,352	6,406	13,459	7,387	22,326	26,998	7,264	11,847
618	1,117	960	877	2,230	2,264	673	1,757	554	1,046
3,708	6,329	1,812	3,770	42,428	11,188	2,557	4,694	1,734	3,542
2,302	177	357	324	1,067	713	657	24	171	372
1,624	1,761	1,109	808	1,803	1,893	282	675	443	670
336	420	36	78	840	321	147	19	13	284
2,595	630	208	323	1,698	1,383	483	482	257	355
23,827	22,402	203	5,395	5,614	16,383	5,265	2,271	322	1,837
809,538	303,586	122,387	39,338	209,803	268,244	89,820	71,816	65,884	46,100
3,959	2,211	448	96	1,664	2,647	1,407	1,211	1,549	409
817	3,054	518	478	1,828	696	1,336	670	-	469
17,100	17,744	9,642	9,143	29,431	26,132	13,586	12,411	24,606	17,141
567	1,342	1,829	258	1,129	846	1,339	620	280	624
45,345	26,737	18,123	6,212	44,461	33,556	22,842	1,170	7,656	9,512
5,716,331	3,728,712	3,668,871	1,968,065	1,754,908	1,390,232	964,541	938,929	728,892	656,276

2018 Ocean *Trash* Trends UNITED STATES CLEANUPS

COUNTRY/LOCATION						
	PEOPLE	POUNDS	KILOGRAMS	MILES	KILOMETERS	TOTAL ITEMS COLLECTED
ALABAMA	5,300	25,301	11,476	261.9	421.5	107,957
ALASKA	764	3,383	1,534	167.0	268.8	30,268
ARIZONA	419	53,644	24,333	6.6	10.6	616
ARKANSAS	21	60	27	6.0	9.7	996
CALIFORNIA	74,813	827,946	375,549	2,501.1	4,025.0	725,535
COLORADO	2,888	54,034	24,509	33.8	54.4	1,403
CONNECTICUT	1,923	23,411	10,619	109.2	175.8	196,784
DELAWARE	1,176	5,774	2,619	75.1	120.9	54,192
DISTRICT OF COLUMBIA	528	4,944	2,242	27.0	43.4	3,367
FLORIDA	30,349	495,751	224,869	3,328.0	5,355.8	891,255
GEORGIA	22,223	430,314	195,187	1,130.3	1,819.0	103,920
HAWAII	869	7,380	3,347	152.0	244.6	45,615
IDAHO	1	41	19	0.6	1.0	113
ILLINOIS	2,818	7,099	3,220	70.0	112.6	146,727
INDIANA	636	297	135	19.2	31.0	11,518
KANSAS	7	18	8	1.0	1.6	25
KENTUCKY	1	1	0.5	1.0	1.6	43
LOUISIANA	1,349	20,816	9,442	106.9	172.0	42,533
MAINE	1,688	5,402	2,450	135.6	218.2	56,238
MARYLAND	721	5,357	2,430	31.9	51.4	63,513
MASSACHUSETTS	4,320	81,526	36,979	215.7	347.1	984,915
MICHIGAN	1,642	11,640	5,280	76.3	122.8	83,927
MINNESOTA	74	163	74	2.1	3.3	3,358
MISSISSIPPI	2,649	20,756	9,415	50.0	80.5	199,086
MISSOURI	85	1,328	603	8.9	14.3	1,231
MONTANA	4	9	4	0.3	0.5	81
NEBRASKA	55	1,540	699	13.0	20.9	4,813
NEVADA	80	1,107	502	0.8	1.3	1,675
NEW HAMPSHIRE	1,008	12,627	5,727	41.3	66.5	32,248
NEW JERSEY	5,735	29,150	13,222	138.6	223.1	37,440
NEW YORK	7,587	52,403	23,770	316.3	509.1	295,742
NORTH CAROLINA	4,095	187,005	84,824	553.7	891.0	50,418
OHIO	2,244	38,635	17,524	44.8	72.0	218,777
OREGON	4,319	54,410	24,680	431.2	694.0	16,035
PENNSYLVANIA	13,910	188,731	85,607	40.3	64.8	83,143
RHODE ISLAND	2,311	13,760	6,242	94.0	151.2	160,960
SOUTH CAROLINA	1,700	18,718	8,490	181.8	292.6	29,171
TENNESSEE	90	1,420	644	3.4	5.5	9,753
TEXAS	17,050	1,042,199	472,734	802.6	1,291.6	128,435
UTAH	3	23	10	1.9	3.1	56
VERMONT	271	3,902	1,770	17.3	27.8	16,469
VIRGINIA	5,345	121,656	55,182	351.6	565.8	135,033
WASHINGTON	1,998	9,772	4,433	379.9	611.4	62,051
WISCONSIN	1,755	3,625	1,644	27.1	43.5	64,679
WYOMING	3	33	15	1.0	1.6	32
STATE NOT RECORDED	62	161	73	1.0	1.6	2,334
GRAND TOTAL	226,889	3,867,269	1,754,164	11,962.0	19,250.8	5,106,515

TOP 10 ITEMS COLLECTED IN THE UNITED STATES

1	2	3	4	5	6	7	8	9	10
 CIGARETTE BUTTS	 FOOD WRAPPERS (CANDY, CHIPS, ETC.)	 PLASTIC BOTTLE CAPS	 PLASTIC BEVERAGE BOTTLES	 STRAWS, STIRRERS	 BEVERAGE CANS	 PLASTIC GROCERY BAGS	 GLASS BEVERAGE BOTTLES	 OTHER PLASTIC/FOAM PACKAGING	 METAL BOTTLE CAPS
18,169	7,643	6,841	9,933	3,336	6,959	2,569	3,078	2,633	2,502
4,811	1,623	731	428	212	661	261	293	746	377
52	67	55	20	8	27	9	13	104	42
289	77	32	65	15	110	10	45	26	10
152,124	73,263	38,653	18,457	20,758	14,435	17,264	13,000	11,943	12,030
49	162	42	139	48	89	181	54	-	13
16,018	7,418	4,315	5,496	2,062	2,626	1,631	2,966	1,585	2,025
7,893	3,611	7,263	2,535	2,788	1,213	831	719	1,068	741
143	229	150	866	67	97	64	99	32	-
190,759	56,507	71,913	37,394	26,047	21,130	19,150	16,775	12,021	13,264
25,768	99	4,013	12,485	2,080	8,733	5,189	6,742	3,476	1,245
7,710	3,028	1,786	659	633	549	601	740	505	590
10	5	6	4	6	7	1	6	2	4
30,619	11,661	10,252	3,896	5,853	3,266	2,400	1,899	2,517	6,021
2,756	473	723	129	362	108	54	92	493	111
-	-	-	-	-	13	-	3	-	5
14	6	-	1	-	3	5	-	-	-
2,208	2,618	5,404	4,698	1,598	1,745	958	1,005	463	685
18,541	3,748	1,851	1,588	847	935	485	717	2,358	374
1,425	1,469	4,407	8,192	4,395	757	730	776	491	275
36,459	10,544	9,217	7,581	4,086	5,187	2,163	3,375	4,039	2,061
24,830	4,913	4,637	843	2,652	608	494	302	1,169	567
1,078	332	76	52	73	66	33	37	75	34
57,712	12,218	8,776	11,273	3,861	5,752	3,451	4,434	3,890	4,072
123	83	46	95	50	62	45	36	15	10
11	10	6	7	8	5	7	7	-	-
1,500	227	193	335	37	636	165	265	52	135
20	306	65	314	40	108	52	12	8	-
10,305	1,333	811	341	248	654	198	294	923	229
5,928	5,981	3,045	2,487	2,069	1,137	1,047	1,106	229	475
32,189	19,092	23,459	13,508	11,528	7,589	5,934	7,860	6,169	10,152
11,892	4,026	2,766	2,986	1,491	2,042	1,046	1,249	1,408	554
18,175	13,413	7,614	11,544	5,675	5,705	5,141	4,199	2,997	1,291
2,393	1,599	520	298	283	575	254	238	228	182
22,857	12,734	6,159	8,576	2,458	2,371	3,589	2,901	1,352	89
36,522	11,237	10,141	7,196	5,426	4,118	1,907	3,814	3,636	4,641
8,262	2,230	1,588	1,570	699	1,311	550	1,074	498	376
48	21	17	9,212	19	177	10	17	-	-
14,636	5,675	18,902	6,033	4,516	2,997	2,257	1,391	1,776	2,952
1	23	2	1	-	-	11	-	-	-
64	220	45	205	14	427	136	265	75	4
15,745	14,528	5,577	13,993	3,022	5,792	7,823	4,537	3,458	3,559
15,313	5,007	1,873	2,390	931	1,372	511	1,164	906	831
12,684	3,893	3,911	1,807	1,898	1,479	534	616	1,492	553
10	-	-	1	-	5	-	2	-	-
253	133	264	115	139	81	67	66	-	-
809,538	303,586	268,244	209,803	122,387	113,719	89,820	88,283	74,858	73,081

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