



2018

Annual Report

Since 1985, 6,742,941 items removed by 133,390 volunteers!



A day of service, a lifetime of evidence to make the ocean cleaner!

Litter is harmful to animals that mistake it for food, and/or become entangled; it also negatively affects tourism and the coastal economy. In response, for almost 35 years, thousands of dedicated volunteers — the tall and small — gather in the Spring and in the Fall for Beach Sweeps. As a result, beaches and waterways are safer for wildlife and people.

Marine debris is a human caused, human solved issue. The goal of Clean Ocean Action's (COA) Beach Sweeps is to reduce and eliminate sources of litter by engaging people in volunteer efforts to clean beaches in New Jersey. During the bi-annual event, volunteers pick up and remove debris, and record and tally data about the debris.

The data collected provides a legacy of information that can be used to identify sources of pollution, monitor trends, and discover solutions. Every October, COA submits the Fall Beach Sweeps data to Ocean Conservancy in Washington D.C., to be included in their International Coastal Cleanup (ICC) Report.



Group hauling tire at the Sandy Hook, Kingman Mills Beach Sweep site in October 2018

The Beach Sweeps are held in the Spring and Fall, when the beaches are not being cleaned by local municipalities, resulting in a true snapshot of pollution. The goal is to have naturally clean beaches where “clean-ups” are history.

During Clean Ocean Action's 33rd Annual Beach Sweeps, a record-breaking 10,148 volunteers removed 454,365 pieces of debris from over 60 sites in 53 municipalities and parks along the Atlantic Ocean coast, bayshores, inland rivers, lakes, and streams.

The value of volunteer time in 2018, as calculated by Independent Sector is \$751,662. Since 1985, over 6,742,941 items have been removed by 133,390 volunteers!

Highlights from 2018 includes using COA's Beach Sweep data to help pass a statewide smoking ban on New Jersey's beaches, urge Governor Murphy to veto and fix the state-wide Bag Fee Bill, and support 15 municipalities who passed local ordinances to ban single use products. See pages 2 and 3 for details.

As in recent years, the most frequently collected items were plastic. Of the items collected, 81.77% were plastic or foam plastic.

The “Dirty Dozen” resembles previous years, with persistent and harmful plastic dominating the list. The Dirty Dozen accounts for 72% of trash removed.

The “Roster of the Ridiculous” continues to illustrate that one can find just about everything on the beaches, including the kitchen sink.

The greatest success of the Beach Sweeps are the take-home lessons: citizens taking responsibility for the environment, making a difference, teamwork, and commitment. The Beach Sweeps are a day of service in the Spring and Fall that provide a lifetime of data to help make a difference for the ocean.

60 New Jersey Sites in 2018



Since 1985, volunteers have donated 800,340 hours of Beach Sweeping!

2018 FLOTSAM AND JETSAM — THE STORY IN THE NUMBERS



Volunteers with large pile of debris at the Cape May Beach Sweep site in April 2018

Since 1985 Cumulative Numbers:

- ◆ 6,742,941 pieces of trash removed
- ◆ 133,390 volunteers donated 800,340 hours

2018 Debris Record Highlights:

- ◆ 81.77% of debris was plastic including foam, a slight decrease from last year
- ◆ 5,470 balloons (mylar and rubber) were collected, excess the previous record from 2011 by 31.52%

Dirty Dozen Highlights:

- ◆ 93% of Dirty Dozen debris is plastic
- ◆ Plastic pieces and foam pieces account for nearly 31% of items in Dirty Dozen
- ◆ Glass pieces returned to the Dirty Dozen after doubling from the previous year

Seasonal Changes Between Spring and Fall:

- ◆ Overall 32.6% more trash was collected in spring than fall — due in part to more volunteers
- ◆ Number of straws/stirrers are 10.25% higher in fall than spring — reflecting high summer use

Comparative numbers: 2018 data results to 2017



Substantial increases:

Item:	Increased by:	2018	2017
*Plastic Pieces	+35.05%	75,899	up from 56,201
*Plastic Bottles	+38.99%	20,366	up from 14,653
Condoms	+56.51%	565	up from 361
Foam Building Materials	+71.25%	1,394	up from 814
Diapers	+78.00%	267	up from 150
Glass Pieces	+143.82%	14,078	up from 5,774

Substantial decreases:

Item:	Decreased by:	2018	2017
*Cigarette Filters	-24.17%	21,998	down from 29,008
Tires: Whole	-21.82%	43	down from 55
Metal Fishing Sinkers	-39.51%	49	down from 81
55 Gallon Drums (old and new)	-67.44%	14	down from 43

*In the Dirty Dozen

Balloons Higher than Ever:

- ◆ Total balloons were 47% higher in fall than in spring
- ◆ Total balloons including ribbon/tape were 63.20% higher in fall than in spring
- ◆ Total balloons increased by 32.16% from 2017

*Last year we highlighted the dangers of balloons to marine life in the 2017 Beach Sweeps Annual Report



Led Statewide Efforts to Reduce Single Use Plastics

- ◆ In 2018 COA urged Governor Murphy to veto and fix the Bag Fee Bill, citing Beach Sweeps data as evidence to rebuild the bill with actions that truly make a difference, such as completely phasing out plastic bags by 2021 and protecting towns that want to have stronger laws. The focus now is on legislation that would ban single use plastics.
- ◆ Clean Ocean Action's Beach Sweeps data was used to support 15 municipalities that passed local ordinances to ban single use products in 2018, including Monmouth Beach's ban of bags, straws and containers—the most comprehensive plastic ban in the nation!



Jennifer Borenius of We are SURE in her "Plastic Bag Lady" costume interviewed by News 12 NJ at the Toms River, NJ joint NJ legislative hearing that focused on the problems caused by single use plastic.

Almost everything, including the kitchen sink!

Sweeps for Dollars: \$10 bill, 1930s Philadelphia rail token, counterfeit \$100 bill, credit card

Believe It or Not: ashtray, barbed wire, bird whistle, bottle of urine aka "trucker bomb", bottle rocket cone, cloth diaper, comb, door from a safe, flower bouquet, full dog food tray, glass smoking pipe, hair pick, homemade bow, Japanese candy wrapper, large piece of coal, lottery ticket, lubricant, mercury from thermometer, metal knife, pepper spray, pillar candle, police caution tape, Porta Potty door, railroad tie, rat trap, religious statue, shoe with a bottle of hot sauce in it, shotgun shells, telescope pole, tortoise shell, toy (adult), vaping mouthpiece, vaping pipe, vintage bottles, wire cage

Happy Holidays: Christmas garland, Christmas ball, Christmas tree, Christmas wreaths, Easter egg, Spanish American club festival banner



Couch found on the beach at the Atlantic City Beach Sweep site



Barbie at the Asbury Park North Beach Sweep site

Fun in the Sun: AMC movie ticket, Asbury Park 2015 admission tag, candle, dice, dog chew toy, firework, medicine ball, marble, matchbox car, plastic drum rim, plastic sword, pom poms, runners tags, snorkel, starfish toy, Tiki torch, Trivial Pursuit cards, toucan pool float, yoga mat

All Dolled Up: Army men figures, baby doll arm, Barbie doll, Barbie doll legs, Barbie lipstick, Cookie Monster, doll arm, doll foot, elephant toy, My Little Pony toy, Ken doll, plastic horse, plastic pig

The Comforts of Home: AC unit, carpet, chair, couch, dustpan, electronic part of TV, laundry basket, leather seat, light socket, planter, siding and roofing, sink, toilet, toilet lid, trash can, welcome mat, vacuum cleaner

What's Cooking: 2 cases of beer, bag of fresh lemons, beer barrel, coconut, filet knife with leather case, grill, grill brush, hamburger, kitchen knife, loaf baking pan, loaf of bread, package of Chow Mein noodles, propane tank, six pack, shopping cart, stove top burner, strainer, turkey baster, whipped cream can

Handy and Sandy: 4 foot fiberglass rod, 8 inch PVC pipe, asphalt shingles, bricks, can of epoxy resin, drill bit, dust mask, electrical plug, floor tiles, hard hat, house electrical wiring, hose, hose nozzle, insulation, paint bucket, plastic rake, plumbing parts, PVC pipe, roof shingles, shovel, steel pipe, steel poles, tape measure, tires, window frame, wire fence, wire brush, whole roll of electrical wire, wood with nails

On the Road: bicycle handle, car antenna, car bumpers, car parts, bike reflector, bike wheel, gas can, no-parking sign, old street sign, old stop sign, tail light, tire rim, traffic cone, wheel axle



Large pile of debris collected at the Keansburg Beach Sweep site includes hose, chair and remnants of a garbage can



Group hauling tire at the Sandy Hook Beach Sweep site

Ship Ahoy: boat anchor, boat rail, boat siding, broken fishing knife, buoy, canvas fishing hat, crab trap, fishing gear and hooks, fishing rod, floating dock, lobster trap, oar, oyster crates, scuba mask

Awash in Apparel: ankle band, boxers, cuff link shaped like a crow, dog vest, flip-flop, high heel, Nirvana t-shirt, sandals, scarf, underwear

Doctor's Orders: bed pan, contact lenses, doctor's tape, hospital name tag, hospital wrist tag, pregnancy test, surgical masks, upper dentures

**Note: items are identified by volunteers*

Beach Sweeps Data Used to Enact NJ Law Prohibiting Smoking on Public Beaches and Parks

On Friday, July 20, 2018 NJ Governor Murphy signed a bill that banned smoking on NJ beaches. At the press conference in Long Branch, Governor Murphy highlighted COA's Beach Sweeps data which included 29,008 cigarette filters found on NJ beaches in just six hours.

E-cigarettes also seem to be a growing fad as more and more are found each year on NJ beaches and are often noted in the "Roster of the Ridiculous", unusual finds section of the data card. TerraCycle, an innovative NJ based recycling company is one of the few companies to accept e-cigarettes for recycling.



COA was honored to receive one of the pens that Governor Murphy used to sign the bill that banned smoking on NJ beaches

2018 RESULTS

Record-Breaking 10,148 volunteers participated in 2018 Beach Sweeps!

Items	Spring	Fall	Total	% of Total	
				Spring	Fall
Food, Candy Wrappers/Bags	21,384	19,396	40,780	8.98%	
Store/Shopping Bags	7,116	4,064	11,180	2.46%	
Trash Bags	2,251	1,008	3,259	0.72%	
Other Bags	4,135	2,953	7,088	1.56%	
Beverages/Soda Bottles	9,928	6,430	16,358	3.60%	
Bleach/Cleaner Bottles	408	233	641	0.14%	
Other Bottles	2,069	1,298	3,367	0.74%	
Buckets/Crates/Bins	670	481	1,151	0.25%	
Cap/Lids	34,007	27,351	61,358	13.50%	
Cap/Rings	3,706	2,760	6,466	1.42%	
Cigarette Filters	10,478	11,520	21,998	4.84%	
Lighters	757	443	1,200	0.26%	
Cigarette Packaging	1,150	1,031	2,181	0.48%	
Cigar Tips	3,462	3,975	7,437	1.64%	
Bait Bags/Containers	246	237	483	0.11%	
Line	787	622	1,409	0.31%	
Lures, Floats	348	342	690	0.15%	
Fishing Nets - Small	183	127	310	0.07%	
Fishing Nets - Large	54	38	92	0.02%	
Cups	2,731	1,986	4,717	1.04%	
Diapers	113	154	267	0.06%	
Forks, Knives, Spoons	2,598	2,398	4,996	1.10%	
Light Sticks	402	189	591	0.13%	
Plastic Pieces	43,525	32,374	75,899	16.70%	
Pens	1,103	772	1,875	0.41%	
Ribbon/Tape (no balloons)	1,312	2,501	3,813	0.84%	
Rope	956	1,569	2,525	0.56%	
6-Pack Holders	217	205	422	0.09%	
Sheeting Tarps	195	81	276	0.06%	
Shotgun Shells	756	509	1,265	0.28%	
Strapping Bands	750	483	1,233	0.27%	
Straws/Stirrers	17,197	18,959	36,156	7.96%	
Syringes	267	238	505	0.11%	
Tampon Applicators	2,472	1,763	4,235	0.93%	
Toys	1,712	1,194	2,906	0.64%	
Vegetable Sacks	137	76	213	0.05%	
Other Plastics	3,835	2,654	6,489	1.43%	
Building Materials	980	414	1,394	0.31%	
Buoys/Floats	191	95	286	0.06%	
Fast Food Containers	796	587	1,383	0.30%	
Foam Cups	2,128	1,041	3,169	0.70%	
Packaging Materials	1,311	989	2,300	0.51%	
Foam Pieces	16,183	7,944	24,127	5.31%	
Foam Plates	599	418	1,017	0.22%	
Other Foam Plastic	1,537	518	2,055	0.45%	



NOTES FOR USING BEACH SWEEPS DATA:

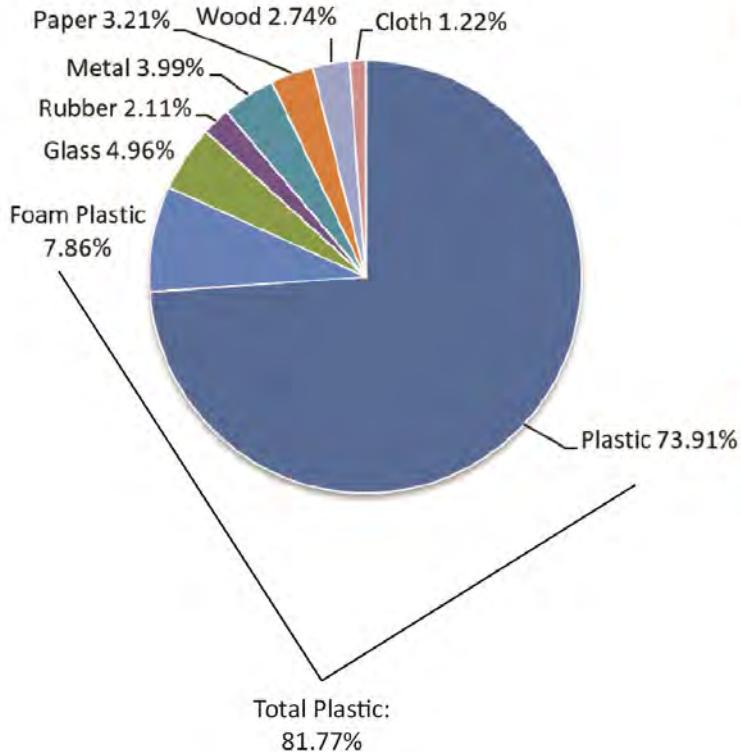
The Annual *Beach Sweeps* Report can be used to study and understand marine debris. When analyzing annually or over time for trends, it is important to note that the amount of debris collected depends on a variety of factors, such as weather, tides, participants, and accuracy.

Volunteer filling out data card at the Sea Bright Beach Sweeps site in April 2018

Items	Spring	Fall	Total	% of Total	
				Spring	Fall
Beverage Bottles	4,047	2,259	6,306	1.39%	
Other Bottles/Jars	427	340	767	0.17%	
Lights: Bulbs	133	52	185	0.04%	
Lights: Fluorescent Tubes	23	19	42	0.01%	
Pieces	10,162	3,916	14,078	3.10%	
Other Glass	701	456	1,157	0.25%	
Balloons - Mylar	868	778	1,646	0.36%	
Mylar With String/Ribbon	469	862	1,331	0.29%	
Balloons - Rubber	547	906	1,453	0.32%	
Rubber With String/Ribbon	331	709	1,040	0.23%	
Condoms	287	278	565	0.12%	
Rubber Bands	456	455	911	0.20%	
Gloves	399	318	717	0.16%	
Tires: Part	162	81	243	0.05%	
Tires: Whole	30	13	43	0.01%	
Other Rubber	942	698	1,640	0.36%	
Appliances	36	9	45	0.01%	
Batteries: Car	16	5	21	0.00%	
Batteries: Other	74	34	108	0.02%	
Bottles Caps	2,768	2,526	5,294	1.17%	
Aerosol Cans	255	112	367	0.08%	
Beverages Cans	3,427	2,137	5,564	1.22%	
Other Cans	208	137	345	0.08%	
Car Parts	104	73	177	0.04%	
Crab/Fish Traps	69	31	100	0.02%	
55 Gallon Drums: Old	10	1	11	0.00%	
55 Gallon Drums: New	3	0	3	0.00%	
Fishing: Hooks	111	31	142	0.03%	
Fishing: Sinkers	27	22	49	0.01%	
Foil	684	470	1,154	0.25%	
Nails	787	230	1,017	0.22%	
Pieces	878	370	1,248	0.27%	
Pull/Pop Tabs	189	183	372	0.08%	
Wire	619	309	928	0.20%	
Other Metal	812	381	1,193	0.26%	
Bags	700	353	1,053	0.23%	
Cardboard	1,190	533	1,723	0.38%	
Cartons/Boxes	341	213	554	0.12%	
Cups	1,135	778	1,913	0.42%	
Newspaper/Magazines	750	290	1,040	0.23%	
Paper Pieces	4,048	2,414	6,462	1.42%	
Plates	227	142	369	0.08%	
Other Paper	865	591	1,456	0.32%	
Crab/Lobster Traps	45	35	80	0.02%	
Crates/Baskets	66	10	76	0.02%	
Ice Cream Spoon/Sticks	303	374	677	0.15%	
Lumber Pieces	6,391	2,470	8,861	1.95%	
Pallets	206	45	251	0.06%	
Other Wood	1,694	802	2,496	0.55%	
Blankets/Sheets/Towels	250	235	485	0.11%	
Clothing: Specify	577	371	948	0.21%	
Shoes/Sandals	438	307	745	0.16%	
String (No Balloon)	808	954	1,762	0.39%	
Other Cloth	801	789	1,590	0.35%	

2018 Beach Sweeps	Spring	Fall	Totals
Total Items Collected	259,038	195,327	454,365
Number of Volunteers	6,129	4,019	10,148

PERCENT BREAKDOWN BY CATEGORY/DEBRIS TYPE



Breakdown by Category/Debris Type				
2018 Totals	Spring	Fall	Total	% of Total
Plastic	183,417	152,414	335,831	73.91%
Foam Plastic	23,725	12,006	35,731	7.86%
Glass	15,493	7,042	22,535	4.96%
Rubber	4,491	5,098	9,589	2.11%
Metal	11,077	7,061	18,138	3.99%
Paper	9,256	5,314	14,570	3.21%
Wood	8,705	3,736	12,441	2.74%
Cloth	2,874	2,656	5,530	1.22%
Pieces of Debris	259,038	195,327	454,365	
Volunteers	6,129	4,019	10,148	

DIRTY DOZEN *The most commonly collected pieces of debris*

2018 Rank	Debris Items	2018	Change in Rank	2017	2017 Rank	2016	2016 Rank	2015	2015 Rank
1	Plastic Pieces	75,899	—	56,201	1	28,885	1	42,793	1
2	Plastic Caps/Lids	61,358	—	50,881	2	23,643	2	34,426	2
3	Food, Candy Wrappers/Bags	40,780	—	40,227	3	20,979	3	33,405	3
4	Straws/Stirrers	36,156	—	31,167	4	12,073	6	19,633	5
5	Foam Pieces	24,127	▲	21,117	6	14,513	5	12,841	6
6	Cigarette Filters	21,998	▼	29,008	5	20,219	4	28,041	4
7	Plastic Beverage/Soda Bottles	16,358	—	12,114	7	8,204	7	12,100	7
8	Glass Pieces	14,078	★	5,774	*	3,103	*	8,733	10
9	Plastic Store/Shopping Bags	11,180	—	9,052	9	5,564	8	10,808	8
10	Lumber Pieces	8,861	▲	5,949	12	5,274	9	9,426	9
11	Cigar Tips	7,437	▼	7,172	10	3,581	11	4,846	*
12	Other Plastic Bags	7,088	—	5,978	12	3,141	*	4,717	*
Total Dirty Dozen		325,320		276,560		150,566		224,273	
Percent of Total Debris		72%		74%		69%		68%	
Number of Volunteers		10,148		7,416		3,990		6,658	

▲ moved up in rank

▼ moved down in rank

★ new to the Dirty Dozen

— no change in rank

*did not make rank for indicated year

SPECIAL THANKS TO OUR OCEAN WAVEMAKERS

The success of the Beach Sweeps is rooted in the Ocean Wavemakers who contribute time, effort, resources, donations, and funds.

2018 BEACH CAPTAINS (100): Mark Allen, Maria-Antonia Andrews, Al Avizius, Ryan Baine, Terah Benjamin, Sandi Beyer, Debra Bowler, Clem Boyers, Don Brahn Jr., Keri Branin, Beth Bresnahan, Denise Bruschi, Laurene Buck, Ryan Carr, Cookie & Bill Cleary, Beth Collis, Ann Commarato, Lisa Cordova, Ruth Davis, Crystal DeCaro, Michelle Denny, Fran & Peter Donnelly, Jake Donnelly, Bret Dunlap, Anthony Edge, Chelsea Errichetti, Margot Farnicola, Julie Finnell, Dave Finter, Inna and Alexander Fradkin, Ava Gandhi, Jocelyn Gandhi, Kathleen & Leo Gasienica, Eric Gehring, Marianne Grant, Kyle Gronostajski, Kate Grossarth, Emily Hackett, Eric Hanan, Elaine & Ted Jermansen, Andrew Kaplan, Stephanie Kealy, Tony Kono, Dorothy Kulisek, Mary Lenahan, Jenn Lengares Meyer, Greg Love, Bill Macomber, Marissa Magura, Marine Academy of Science and Technology Student Coordinators Katie Costello and Trent Algayer, Kristen Marlatt, Jeff Martin, Kari Martin, Jena Mazzio, Carol McCallum, Jason McKairnes, Kristina Merola, Charlotte Moyer, Jessica Mumford, Derek Noah, Michael Palmisano, John, Julia, & Josh Peterson, Lynn Poinier, Lynn Raos, Keith Rella, Peggy Ricci, Derek Riddle, Michael Rohal, Kay C. Sagal-Brasoveanu, Leah Savia, Matt Schmidt, Arlene Sciarappa, Jim Sharkey, Nicole Sherry, Lindsey Sigmund, Doreen Silakowski, Laura Smith, Lisa Stickle, Margot Sullivan, Graceanne Taylor, Kelly & Mark Thompson, Tyler Thompson, Cody Valkos, Gene Viereck, Tina Marie Walling, JJ Walsh, Elizabeth Warren, Kay Warren, Britta Wenzel, Amanda Wheeler, Gretchen Whitman, John Wnek, Cash & Mark Woldseth, Paula Woods, Ashley Woodward, Anita Zalom

2018 JUNIOR BEACH CAPTAINS (27):

Julia Amendola, Cassie Barber, Shane Borenius, Cassidy Cashion, Lilah Cashion, Jilly Chandler, Marina Chiaffulo, Jack Dey, Spencer Davis, Gabrielle Eschinger, Raymond Forbes, Laura Finnell, Emily Grossarth, Marley Hoffman, Sana Jaim, Wyatt Knowlton, Natalie Krudys, Sophia Orem, Sarah Quigley, Olivia Rogers, Jacob Roessler, Alejandro Saenz, Jordan Sammarco, Sydney Schubel, Kendall Soto, Sammantha Sypniewski, Jake Zimmerman

BUSINESSES (83):

ACT Engineers, Allied Construction Management, Allied Group, Apple, AT&T, Atlantic City Electric, Aveda, Baine Contracting, Bank of America, Beranto's Deli, Bloomberg LP, Bright and Beautiful Therapy Dogs, Caesars Entertainment, Coca Cola Bottling Company, Comcast Cares, Community Medical Center, Defined Logic, Department of OB/GYN at Jersey Shore University Medical Center, Dow Chemical, Enterprise Rent-A-Car, EWR and Amazon Associates, Fairway Villas, First Bank of Sea Isle, GHD Services Inc., Gloria Nilson & Co Real Estate, Golder Associates, Hackensack Meridian, Hackensack Meridian Bayshore Medical Center, Hamburger Construction Co. Inc., Harmless Straws, Health Care Software, Hillmann Consulting, Hollister Construction, Icona Avalon, JCP&L, Jersey Cares, Jersey Shore Medical Center, JFK Medical Center IT Group, JFK Medical Center, Keller Williams Shore Properties, Kohls, LHB Condo Association, L'Oreal, Maser Consulting, Metlife, Morgan Stanley, MTF Biologics, Natural Awakenings Jersey Shore, Natural Systems Utilities, Nike Jersey Shore, NJ American Water, NJ Natural Gas, Ocean County Medical Center, Ocean Mental Health Services, Ocean Outfitters, Peak Environmental, Peppy Paws, Pink Pineapple Surf, Progressive Insurance, R&J Strategic Communications, Ray Catena Motor Corp., Ricoh USA, Salesforce, ShopRite, Sickles Market, Spruce Salon, Starbucks, Structure Tone, Symrise, T&M Associates, Target, TD Bank, Trinity Solar, United Natural Foods Inc, United Teletech Financial, UPS Cranbury Hub, Verizon, Wakefern, Wally's Restaurant, Wayside Technology Group, Weichert Realtors, Wildflower Farms, Wyndham Skyline Tower

ORGANIZATIONS (73):

58th St. Adopt-A-Beach, AC Outlaw Baseball, Alliance for a Living Ocean, Alpha Sigma Tau Sorority, American Water Works Association, Atlantic Highlands Leo Club, Barnegat Bay Partnership, Can'd Aid Foundation, Cliffwood Beach Neighborhood Watch, Colony Club, Dive Club - NJ Dive Shop, Eco-Maniacs 4H Club, FC Monmouth, Friends of IBSP, Friends of the Library - Pt. Pleasant, Hot Sand, Hudson River Fisherman's Association, Huguenin, I-Cerv, Ideal Beach Community Association, Interact Club, Jacobs Ladder, Jersey Cares, Jersey Shore Thunder, Kids Give, Kiwanis, Law Regular Republican, LBI Garden Club, Lions Club: Eatontown & Edison Metro, Manasquan Board Rider's Club, Manasquan Women's Club, Marine Science Camp, Middlesex 4H Ecomaniacs, Middlesex Master Gardeners, Monmouth County Board of Realtors, Monmouth/Ocean Regional Realtors, Neighborhood Crop, Newark Kids in Need of Defense, NJ Beach Buggy, Noah's Ark Pet Pals 4H Club, Ocean City Adopt A Beach Volunteers, Ocean City Board of Realtors, Ocean Monmouth Amateur Radio Club, Old Bridge Hoops Academy, Phlock of South NJ, RAFTS, Rally for the Navesink, Republican Club of Lavallette, Road Less Traveled Shark Diving and Conservation, Rotary Club: Edison, Elizabeth, Greater Long Branch, Somerville & Bridgewater, Brick, Rumson Garden Club, Schools Under 2C, SEA, Shrewsbury Girl's Friendly Society, Sierra Club, SJ Women's Leadership Initiative, South Amboy Team Red, White & Blue, Surf City Yacht Club, Surfrider Foundation: South Jersey Chapter, The Academy of Business in Society, The Arc, Union Beach Residents, Vagayakers Kayaking Club, Women's Club of Spring Lake, South Amboy YMCA, South Jersey Coastal Fly Anglers, Squigley Boys Class of '89 and '92, Stone Harbor Property Owners Association, Team Emma for NJ Senate, The Hub Kings, Tiger Bomb, UNFI, UNICEF



Hamlet the Mini Pig at the Ortley Beach Sweep site in October 2018



Junior Beach Captain Kendall Soto and her Sweepers at the Belmar Beach Sweep site in April 2018. Thanks to funding from OceanFirst Foundation, the Junior Beach Captain program doubled in one year.



Red Bank Regional High School Environmental Club at the Sandy Hook Beach Sweep site in October 2018



Rutgers University Students at the Sandy Hook Beach Sweep site in April 2018

Our Lady of Grace Church, Our Redeemer Lutheran Church, Sacred Heart Church Youth Group, Sacred Heart Confirmation Class, St. James Episcopal Church, St. Luke's Church, St. Mary's of the Assumption

SCOUT GROUPS (53):

BOY: # 15, 18, 21, 36, 46, 54, 58, 66, 76, 91, 96, 124, 187, 204, 205, 218, 241, 1454, 9503

Cub: # 12, 58, 194, 101, 72, 205, 141, 318, 242, 47

GIRL: # 47, 131, 282, 293, 318, 324, 345, 388, 397, 555, 566, 668, 716, 741, 771, 1028, 1059, 1172, 1272, 1310, 1406, 1426, 1454, 1557, 1717, 1733, 1947, 10392, 11439, 11446, 12779, 40390, 40807, 41375, 50047, 50049, 50293, 50504, 61253, 61325, 61818, 61835, 64110, 65023, 80001, 80834, 80898, 81030, 83501, 96224 **Brownie:** # 40, 680, 1414



Young beach sweepers work together to haul large wood debris at Sea Bright Beach Sweep site in April 2018

PRE/ELEMENTARY/MIDDLE SCHOOLS (66): Alexander Batcho Intermediate, Hamilton Elementary,

Antrim Elementary, Bayshore Middle, Beer Street Elementary, Brigantine North Middle, Buzz Aldrin Middle, Cape Trinity Grade,

Carl Sandburg Middle, Central Regional Middle: Student Council, Peer Leader Group, Cliffwood Elementary, Crawford-Rodriguez Elementary, Deal, Deane Porter Elementary, Dwight D Eisenhower Middle, Episcopal Academy, Eugene A. Tighe:

Surfrider Club, Forrestdale Middle: Environmental Club, Goetz Middle: Builders Club, Green Brook Middle: Global Scholar Club,

Henry Hudson, Hillview Elementary, Hoboken Catholic Academy, Holy Cross, Howell Middle, Jordan Road School: Science Club, Keyport Central Middle, Keyport Grammar:

Ecology Club, Lavalette Elementary, Linden Avenue Elementary, Lloyd Road Elementary, Long Branch Elementary, Maple Place School, Matawan Aberdeen Middle,

Memorial Middle, Middletown Thompson Middle, Middletown Village Elementary, Monmouth Beach: Student Council, National Junior Honor Society, Mount Saint Dominic Academy, Nellie Bennett Elementary, Neptune Middle: Softball Team, Environmental Class, New Monmouth Elementary, Nut Swamp Elementary, Oakwood, Ocean Avenue

Elementary, Park Middle, Pleasantville Middle, Port Monmouth Elementary, Red Bank Charter, Ridgewood Avenue Elementary, Rumson Country Day, Shrewsbury Borough School, Stem Academy-East Orange, Strathmore Elementary, The Scandinavian School of Jersey City, Theodore Roosevelt, Thorne Middle, Tinton Falls Middle, Toms River

Intermediate North, Veterans Memorial Middle: National Junior Honor Society, Wanamassa Elementary, West Windsor Community Middle, Westfield Friends, Wildwood Middle: ROOTS, William Satz Middle

HIGH SCHOOLS (88): Absegami: Environmental Club, Interact Club, Allentown: Leo Club, FFA, Allied Academy of Health and Science, Barnegat, Basking Ridge, Bound Brook,

Brick Township Memorial: Key Club, Brooklyn Technical, Cape May Technical, Central Regional, Christian Brothers Academy, Colts Neck: ROTC, Sea Club, Curtis, DePaul Catholic,

Donovan Catholic, Easton, Edison, EF Academy, Egg Harbor Township: Key Club, Elizabeth, Episcopal Academy, Freehold, Freehold Township: Octogreen Club, Governor Livingston:

Interact Club, Hightstown: Ecology Club, Hillsborough, Holmdel: National Honor Society, Holy Cross, Hopatcong, Howell, Jackson Liberty: Environmental Club, John E. Dwyer Technology Academy: Environmental Club, Keyport: Ecology Club, Key Club, National Honor Society, Environmental Club, Kittatinny: Interact Club, Long Branch, Lower Cape May Regional: AP

Marine Biology, Madison, Manalapan: SAVE Club, National Honor Society, Manasquan: Environmental Club, Boat Riders Club, Marlboro: Lego Club, Leo Club, MAST, Matawan

Regional: Environmental Club, MATES, Middletown North, Middletown South, Monmouth County Vocational School, Monmouth Regional: Environmental Club, Montclair, Neptune:

Environmental Science Jumpstart Academy, Newport, North Plainfield: Interact Club, Notre Dame, Oakwood School, Ocean City: Interact Club, Key Club, Ocean Township, OCTVS

Performing Arts, Old Bridge, Palmyra: Interact Club, Paramus Catholic, Pascack Hills, Pennsbury, Pinelands Regional, Point Pleasant Beach: Key Club, Point Pleasant Borough, Rancocas

Valley: Environmental Club, Ranney, Raritan: World of Language Club, Red Bank Catholic, Red Bank Regional, Robbinsville, Rumson-Fair Haven: Science National Honor Society, Surf

Team, Environmental Club, Environmental Awareness, Sayreville War Memorial: Environmental Club, Shore Regional, South Amboy: National Honor Society, Southern Regional,

Spotswood: Environmental Science Club, DECA Club, St. Dominic, St. Rose, Sussex County Technical: National Honor Society, Toms River East: Marine Science Club, Environmental Club, Toms River North, Toms River South, Trenton Central: Interact Club, Union Catholic Regional, Wildwood: ROOTS, Wildwood Catholic, Woodbridge, Verona: Marine Biology Club

COLLEGES (24): Arcadia University: Field Hockey, Brookdale Community College: Culinary Arts, Environmental Club, Phi Theta kappa, European Club, Brookdale Cares, RLA, Hudson County Community College: Compass USA, Delaware Valley University: Project Earth, Drew University, Evergreen Centenary University, Kean University, Kutztown University, Middlesex County College, Monmouth University: Women's Soccer, Montclair State University: Alpha Phi Omega Nu Psi, Delta Xi Delta Sorority, Mount Saint Mary: Alumni Association, New Jersey Institute of Technology: Lambda Tau Omega Sorority, Ocean County College: Athletics: STEM Department, Penn State University, Princeton University: Alumni Association, Raritan Valley Community College, Rider University: Alpha Phi Omega, Office of Sustainability, Zeta Tau Alpha, Bonner Scholars, Rowan College: Environmental Club, Rutgers University: Oceanography Club, Preparatory School Los Gardineros, Chinese Student Organization, SEED, Alpha Phi Omega, Seton Hall University: Alpha Sigma Tau, Delta Upsilon, Alpha Phi Omega, Stevens Institute of Technology: Alpha Phi Omega, Chi Phi, Kappa Sigma, SAVE Club, Society of Hispanic Professional Engineers, Stockton University: Marine Science Club, William Paterson University: Lambda Tau Omega

CIVIC GROUPS & PARKS (19): Aberdeen: Township Council, Environmental & Shade Tree Advisory Board, Atlantic City Coast Guard, Bay Head Environmental

Commission, Bayshore Watershed Commission, Berkeley Township Public Works, Bradley Beach: Environmental Commission, Quality of Life Committee, Brigantine Clean Communities, Keyport: Clean Communities, Council, Environmental Commission, Fire Department, Green Team, Middlesex County Sheriff's Office, Ocean City Council, Ocean City Gardens Civic Association, Sea Isle City: Police Department, Public Works Department, Seaside Park Mayor and Council, South Amboy: Green Team, Town Council, Toms River Township Council, US Coast Guard Auxiliary 1603: Recruit Company, US EPA, US Marine Corps, US Navy

SPECIAL CELEBRATIONS (2): In Memory of Michael Monastero, The Lay Family

Note: Ocean Wavemakers are taken from completed data cards. Please let us know if we have inadvertently omitted your group.



Dorothy Kulisek, North Wildwood Beach Captain with her informative, hand-made Beach Sweep sign

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2018 SITE SPONSORS

Atlantic City Electric, Baine Contracting, Jenkinsons Aquarium, Jersey Central Power & Light, NuStar, Patagonia, Royal Bank of Canada

SPECIAL THANKS

The following have contributed important resources:

Atlantic Bagel, Bloomberg LP, Can'dAid Foundation, CBD for Life, D'Alessio's Bagel Express, Gateway National Recreation Area Sandy Hook Unit, Island Beach State Park, Marine Academy of Science & Technology, Middlesex County Parks System, Monmouth County Parks System, NJ Clean Communities Council, Ocean Conservancy, Rotary Club Interact, and Water Witch Coffee

Team building Corporate Beach Sweeps program had a record year in 2018 with 21 companies and 635 employees removing 52,822 pieces of debris. To learn more contact Spencer at smunson@cleanoceanaction.org

Clean Ocean Action is a coalition of 115 organizations dedicated to improve and protect the waters off the NJ and NY coast. For information about Beach Sweeps and sponsorship opportunities, and for past Annual Beach Sweep Reports:

18 Hartshorne Drive, Suite 2
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CleanOceanAction.org
[\(732\) 872-0111](mailto:info@CleanOceanAction.org)

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History of COA's Beach Sweeps

In 1985, Clean Ocean Action gathered 75 volunteers at Sandy Hook for the first *Beach Sweeps*, with plans to rid the beaches of unsightly and harmful debris. Thirty-four years later the program has expanded to include a record-breaking 10,148 volunteers in 2018 at 60 NJ locations along the coastline as well as inland rivers, lakes, bayshores, and streams.



In addition to bringing 200-300 high school volunteers from northern New Jersey every year to the Sandy Hook Beach Sweep location, Rotary International District 7540 Interact Club provides lunch to the Sandy Hook Beach Sweepers.

Delaware Beach Sweeps

In 2018 Clean Ocean Action engaged local groups in 6 cleanups at 3 hot spots of highly littered areas along the Delaware River, removing 7,125 items, including 1,688 bottles and 1,926 foam pieces. COA's Delaware Sweeps program, initiated in 2016, continues to target litter accumulation "hot-spots" along the tidal portions of the Delaware River in an effort to reduce land-based sources of pollution. Marine debris often starts out as inland litter that makes its way through waterways to the beach. Compared to average Beach Sweeps data, these sites often have much higher percentages of plastic.

Delaware Beach Sweep locations include:

- Lamberton Rd, Hamilton
- Taylor Wildlife Preserve, Cinnaminson
- Rivergate Boat Ramp, West Deptford
- Red Bank Battlefield Park, National Park

At the cleanup held in June along the Delaware, 13 volunteers removed 2,525 pieces of debris, over 96% of which was comprised of plastic. Volunteers also uncovered more unusual items including a gas tank, cable box, bike pedal, and lawn mower.

