



Newport Harbor Marina Trash Skimmer Project

Project Partners



Partner	Primary Role
Clean Ocean Access	Project Owner
11th Hour Racing	Project Funder
City of Newport	Operations and Maintenance
Toner Electric	Electrical Installation and Support
Casey Tree Specialists	Physical Installation
Casey's Marina	Logistics and Physical Installation
Mac Designs	Water Signage
6SQUARE Communications	Land Signage



Newport Harbor Marina Trash Skimmer Project

Key Achievements

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- Installed two trash skimmers and signage in Newport, Rhode Island
- Removed over 6,000 pounds of co-mingled debris
- Performed 20 detailed audits recording over 5,700 items
- 70,000 cruise ship passengers exposed to trash skimmer presence
- Increased awareness of re-accumulating debris in the harbor
- Shared environmental stewardship message to 30,000 viewers

Story

“We are thrilled to have launched the first trash skimmers on the East Coast with an ever-increasing interest and heightened awareness of the issue of marine debris. With key outreach activities, and the launch of “simple ways to improve ocean health” campaign - we are on our way to fostering island-wide environmentally responsible behaviors and sharing the message of environmental stewardships with all visitors!”

– Dave McLaughlin, Clean Ocean Access Executive Director.



Image #	Description
1	Newport Harbor trash skimmer in Perrotti Park, Newport Rhode Island – attached to floating dock.



Newport Harbor Marina Trash Skimmer Project

Key Challenges

Key Challenges

- Debris in the ocean is co-mingled with organic matter – a global and local issue!

Lessons Learned

- Focus on effective operations before embarking on education and outreach



Image #

Description

2

Education and Outreach at newportFILM showing of Plastic Ocean, Casino Theatre, Newport RI



Newport Harbor Marina Trash Skimmer Project Results

Newport Harbor Marina Trash Skimmer Project - 2016 Results

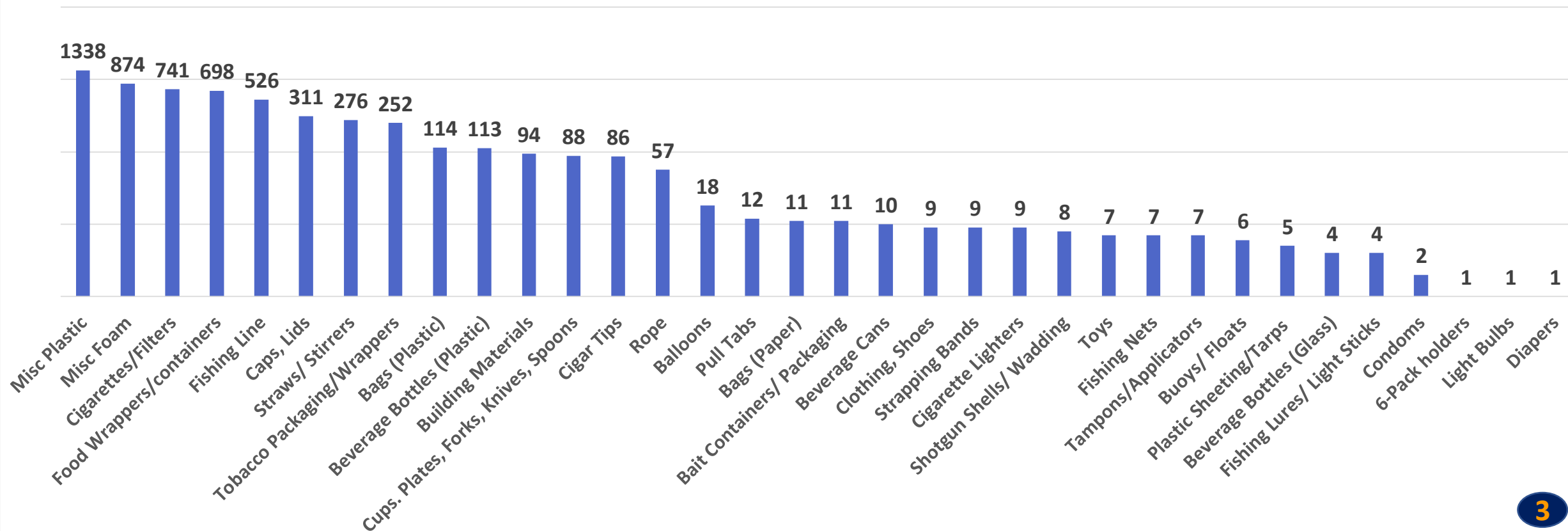


Image #	Description
3	Results of marine debris analysis from trash skimmers in Newport, Rhode island (20 detailed audits)



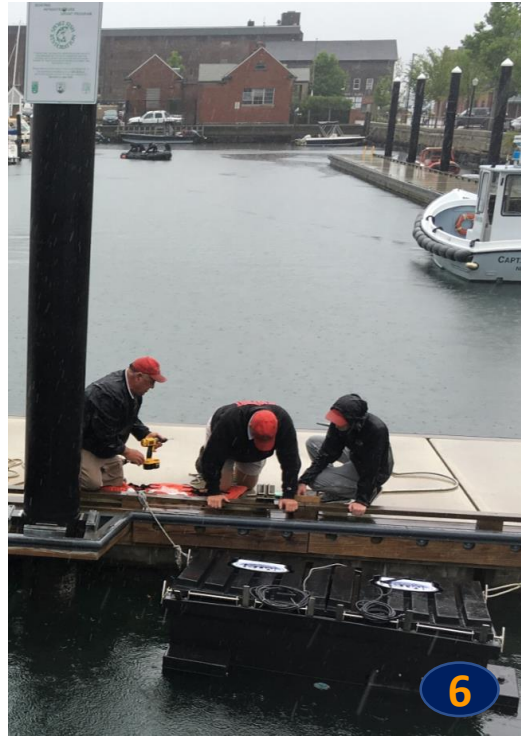
Newport Harbor Marina Trash Skimmer Project Installation



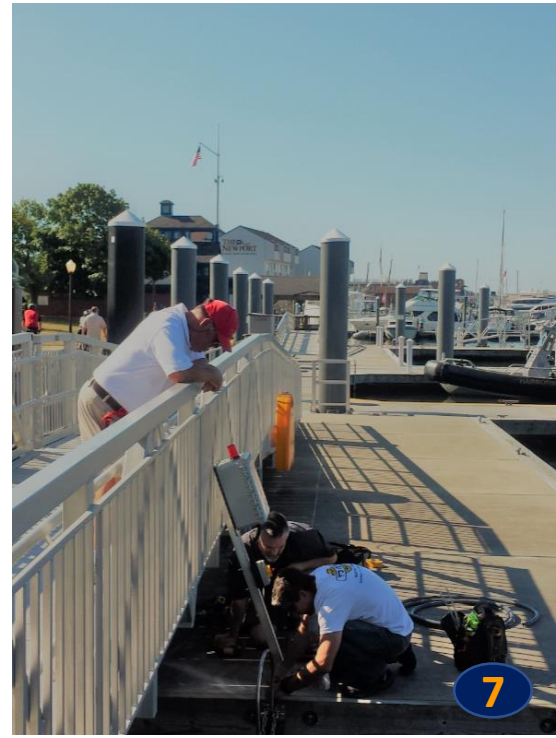
4



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6



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Image #	Description
4	Trash skimmer arrival at Casey's Marina
5	Trash skimmer delivery to Perrotti Park with Casey Tree Specialists
6	Trash skimmer physical installation with City of Newport Harbormaster
7	Trash skimmer electrical installation with Frank Toner Electric



Newport Harbor Marina Trash Skimmer Project Operations



Image #	Description
8	Harbormaster performing daily operations of removing marine debris from trash skimmer (summer)
9	Harbormaster performing daily operations of removing marine debris from trash skimmer (fall)
10	Clean Ocean Access staff performing detailed audit of marine debris from trash skimmer



Newport Harbor Marina Trash Skimmer Project

Marine Debris Analysis



Image #	Description
11	Example of marine debris removed by trash skimmer
12	Micro-plastics identified in Newport Harbor via trash skimmer
13	Sea Squirt growing on foam, found via trash skimmer
14	Example of litter becoming marine debris and co-mingled with macro algae (seaweed)



Newport Harbor Marina Trash Skimmer Project Education and Outreach

Clean Ocean Access
Published by Megan Carvalho [?] · April 4 at 6:06pm · 🌐

The Newport Harbor Trash Skimmers (NHTS) removed many plastic bags from the Newport Harbor. We can take part in solving this problem by choosing reusable bags when shopping for produce to carry out fruits and vegetables, to all checkout counters and take-out restaurants that use plastic, packing a lunch in reusable containers instead of plastic baggies, and refusing a bag for items that are packaged in their own bag, like toilet tissue and paper towels.

The goal of the NHTS project, made possible by funding from 11th Hour Racing, is to reduce the amount of marine debris in the Newport Harbor, increase the recreational value of the waterfront, bring awareness to the types of re-accumulating debris, and promote environmental stewardship.



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Clean Ocean Access
Published by Megan Carvalho [?] · Yesterday at 9:36am · 🌐

Majority of the foam pollution removed by the Newport Harbor Trash Skimmers (NHTS) consisted of foam cups and foam food containers. Here are easy ways to change your behaviors to improve ocean health:

1. When ordering take-out, bring a reusable container to carry your food. Most businesses will be very accepting of your "go green" initiative.
2. When you purchase products that contain foam, make sure to store it for the biannual recycling event for special material, such as f... [See More](#)



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Clean Ocean Access
Published by Megan Carvalho [?] · February 21 · 🌐

The Newport Harbor Trash Skimmers (NHTS) removed 114 plastic bags from Newport Harbor in Fall, 2016. Plastic bags made up 2% of debris removed from the harbor, and plastic in general accounted for 27.4% of debris removed by the NHTS.

Plastic bags are ubiquitous in marine debris, and pose a threat to animals that depend on the ocean for food. For example, to a sea turtle, a floating plastic bag looks much like the jellyfish they feed on.

Although plastic bags do not biodegrad... [See More](#)



Plastic Bags in Newport Harbor – Clean Ocean Access

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Clean Ocean Access with Salve Regina University and 2 others.
Published by Dave McLaughlin [?] · November 16, 2016 · 🌐

Trash skimmers are doing great!

After these recent rains they are removing hundreds of pounds of debris, that otherwise would end up in the ocean. City of Newport Harbormaster is doing a great job operating & maintaining the units, and a big continued thank you to 11th Hour Racing for funding the project.



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Image #	Description
15	Promoting environmentally responsible behaviors (reusable bags) by leveraging results of trash skimmers
16	Promoting environmentally responsible behaviors (reusable containers) by leveraging results of trash skimmers
17	Advocacy efforts to eliminate single-use plastic bags by leveraging results of trash skimmers
18	Outreach showing the effectiveness of the trash skimmers and the wide variety of debris removed