



OFFICE OF RESPONSE AND RESTORATION • NOAA'S NATIONAL OCEAN SERVICE

## NOAA Marine Debris Program

# Marine Debris Monthly Report - April 2008

[www.MarineDebris.noaa.gov](http://www.MarineDebris.noaa.gov)

This weekly report contains information and updates highlighting NOAA's marine debris projects and partners, as well as marine debris media hits from around the world.

### **In this week's report...**

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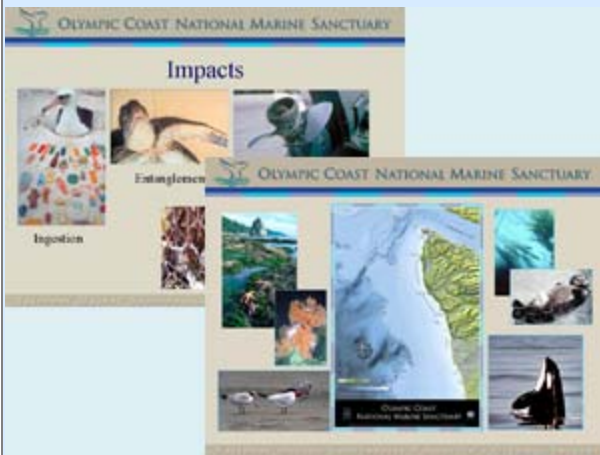
[\*\*New NOAA Projects Addressing Marine Debris in the U.S.\*\*](#)

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**Marine Debris Presentation at REI**



NOAA Marine Debris Program staff, Peter Murphy and \_\_\_\_\_ from OCNMS talk about marine debris during a presentation at REI on March 24th. *Photo courtesy of \_\_\_\_\_.*



Slides on marine debris impacts and the OCNMS during the marine debris presentation at REI. *Slides courtesy OCNMS.*

On March 24th, staff from the NOAA Marine Debris Program partnered with the [Olympic Coast National Marine Sanctuary](#) (OCNMS) to give a presentation on marine debris sources, impacts, and cleanup efforts. The presentation was held at the flagship Seattle location of the local outdoor co-operative REI. Afterwards, NOAA staff answered questions and distributed informational materials on marine debris.

This presentation was coordinated with partners of the upcoming [Washington Coast Cleanup Day](#), to be held on April 26th. This annual event, held in conjunction with Earth Day, is coordinated by the Washington Clean Coast Alliance, an organization initially established with support from the NOAA Marine Debris Program, and now a partner organization. Last year, over 700 volunteers conducted cleanups on over 30 beaches across the Washington coast, removing over 20 tons of debris.

For more information, contact [Peter.Murphy@noaa.gov](mailto:Peter.Murphy@noaa.gov).

#### **Related media:**

CoastSavers plans public meetings to prepare for April 26 beach cleanup

The News Tribune, March 20, 2008

<http://www.thenewstribune.com/adventure/story/313705.html>

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## **UPDATE: North Pacific Marine Debris Research Cruise**



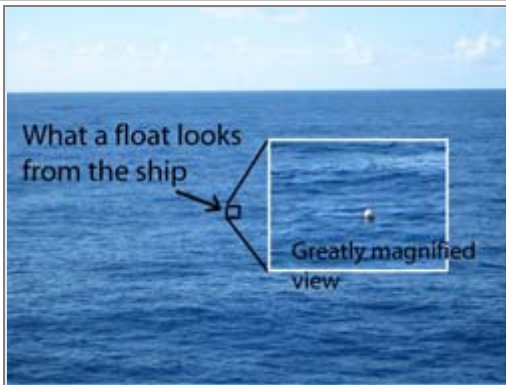
NOAA Marine Debris Program staff, Kris McElwee, on the Big Eyes scanning for marine mammals, sea turtles, and marine debris. *Photo courtesy of NOAA.*

The NOAA ship OSCAR ELTON SETTE is currently making its way due north from the island of Oahu, HI towards the Subtropical Convergence Zone in the North Pacific in search of marine debris. NOAA Marine Debris Program staff, Kris McElwee is on board and has been posting almost daily blogs full of great information and updates from the ship.

For more information on this cruise and a link to the blog and photos, visit [http://marinedebris.noaa.gov/projects/atsea\\_cruise.html](http://marinedebris.noaa.gov/projects/atsea_cruise.html).

#### **Exerpts:**

**from March 28, 2008** - "...It helped that the sea was extra-calm today. At one point we were seeing so much debris that the data entry person was back-logged. It was just one patch, and you couldn't say it was debris-filled, but instead of seeing a piece of debris every half hour, we saw



One of the buoys spotted while scanning the ocean surface. *Photo courtesy of NOAA.*

something every 5 or 10 minutes. You hate to be excited to see debris, but it's nice to get the practice in."

**from March 27, 2008** - "...Today, we spotted 3 or 4 buoys, one with a bird floating on it. I'm including a photo of one so you can see how challenging it is to see with the naked eye. Naturally, the magnification is not real—I just blew it up in Photoshop. But you can get an idea of how important the binoculars' magnification is. It's also tough to see anything just below the surface of the water unless you're almost on top of it, between the sun reflecting on ripples and the whitecaps. Today the seas were much calmer than yesterday, so the whitecaps weren't nearly as big a challenge."

For more information contact [Carey.Morishige@noaa.gov](mailto:Carey.Morishige@noaa.gov) or visit [http://marinedebris.noaa.gov/projects/atsea\\_cruise.html](http://marinedebris.noaa.gov/projects/atsea_cruise.html) (included photos and a link to a cruise blog!)

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## North Pacific Marine Debris Research Cruise Completed



Map of NOAA ship Oscar Elton Sette locations throughout the cruise.



Deployment of the unmanned aerial vehicle. *Photo courtesy of NOAA.*

The NOAA ship OSCAR ELTON SETTE returned to port on April 9th from a voyage to the North Pacific. Marine debris observations and tagging, and testing of a new unmanned aerial vehicle were among the various missions for this cruise, led by the [Ecosystems and Oceanography Division](#) of the NOAA Pacific Islands Fisheries Science Center (PIFSC). Partners in this successful effort and project include: NOAA PIFSC, Papahānaumokuākea Marine National Monument, Airborne Technologies, Inc., NOAA Southwest Fisheries Science Center, NOAA National Environmental Satellite, Data, and Information Service, and the NOAA Marine Debris Program.

NOAA Marine Debris Program staff, Kris McElwee, was on board and has posted almost daily blogs full of great information and stories from the ship. You can find a link to the blog at

[http://marinedebris.noaa.gov/projects/atsea\\_cruise.html](http://marinedebris.noaa.gov/projects/atsea_cruise.html).

For more information contact [Kris.McElwee@noaa.gov](mailto:Kris.McElwee@noaa.gov).

Also visit:

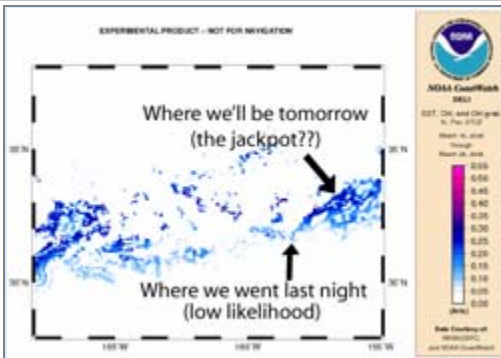
<http://sanctuaries.noaa.gov/missions/nwhi2008/>

<http://trekme.com/oceandebbris/>

### Exerpts from blog:

**from April 6, 2008** - "...This whole UAS concept grew out of the [GhostNet](#) project, which began around 2001 to explore the use of remote sensing, from satellites and aircraft, to map marine debris in the North Pacific Ocean. It





Debris Likelihood Index map. *Courtesy of NOAA.*



Satellite tagged hawser. Derelict hawser was spotted by one of the crew. *Photo courtesy of NOAA.*

was a partnership of ATI, Inc., and part of NOAA Satellites, Fisheries, and Research. The satellite imagery was used to map the oceanographic conditions that would concentrate debris, and the airborne remote sensing would spot the debris..."

**from April 2, 2008** - "...The unanimous feeling was that this particular piece of debris would be more valuable staying in the water and telling us where it moves than on board in the pink container. A tracking buoy can communicate its location for an indefinite period of time; it's powered by solar panels..."

**from March 29, 2008** - "...The idea is something like this: the DELI maps will indicate where we should aim, the ship's fluorometer counts will indicate when we hit the high-chlorophyll areas identified on the DELI maps, the Big Eyes will signal when we're actually seeing a lot of debris, and the Malolo I will fly over areas that seem to have high debris density to compare what can be seen from the air with what can be seen from the flying bridge of the ship. When one of these platforms (the Malolo or the Big Eyes crew) spots a good-sized bundle of fishing gear, one of the small boats will approach it and truly ground-truth (ocean-truth?) the observations. ."

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## Volunteers Learn Connection between Land-Based Trash and Marine Debris

On Saturday, April 26th, the NOAA Marine Debris Program will join volunteer teams representing 70 local organizations at Frederick, **Maryland's 7th annual BIG Sweep**. The BIG Sweep is a collaborative walk-a-thon to raise funds for area non-profit community groups, but instead of just walking, teams of volunteers clean up roadsides and parks throughout Frederick County. Each year BIG Sweep teams collectively raise nearly \$50,000 to support their causes and clean up as much as 22 tons of trash and 600 tires. The NOAA Marine Debris Program will be kicking off the event with a presentation to BIG Sweep clean-up volunteers about the connection between land-based trash and marine debris, and its devastating effects on marine wildlife and ecosystems. The goal of the presentation is to help volunteers realize that their clean-up efforts have a far greater impact than just beautifying their local roadways, and will help to reduce and prevent the occurrence of debris in coastal Maryland and the Chesapeake Bay.

For more information, please contact [Brendan.Bray@noaa.gov](mailto:Brendan.Bray@noaa.gov).

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## Washington Coast Cleanup Day

## Washington State CoastSavers 2008



SAVING OUR BEACHES

April 26th is Washington Coast Cleanup Day when hundreds of volunteers have registered to participate in this Earth Day weekend effort to remove marine debris from the beaches of Washington's Outer Coast. The NOAA Marine Debris Program is involved in this cleanup, which is coordinated by the Washington Clean Coast Alliance, of which Olympic Coast National Marine Sanctuary is an active member. Formation of the Washington Clean Coast Alliance resulted from a strategic planning effort funded by a grant from the NOAA Marine Debris Program. Jacqueline Laverdure, sanctuary Education Specialist, will be providing programs at Kalaloch Beach on Friday night and Saturday. Other sanctuary staff, including Norma Klein, Carol Bernthal, and Liam Antrim, will be coordinating volunteers at different segments of the coast.

For more information, contact [Liam Antrim](#) or [Jacqueline Laverdure](#).

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### Ship Wreck Removal Ongoing in Rota, CNMI



The Island of Rota in the Commonwealth of the Northern Mariana Islands recently initiated a vessel debris removal project with support and funding from the NOAA Office of Response and Restoration, the NOAA Marine Debris Program, and the NOAA Coral Conservation Program. The 140-foot F/V Nam Sung #62 wrecked on Rota in 1982. Salvage attempts failed and the vessel slowly deteriorated, scattering jagged steel debris along the shoreline and adjacent coral reefs. The OR&R Abandoned Vessel Project surveyed the vessel and debris field in 2003 and recommended that the vessel should be a high priority for removal because of the sensitive habitats and public uses of the area. In 2007 the local Coastal Zone Management Office developed a cooperative project with other local agencies, a local construction firm, donated labor, and community volunteers to remove the wreckage. A small NOAA grant from the NOAA Marine Debris Program helped to offset the cost of fuel and materials. Thus far approximately 80 tons of steel debris have been removed from the shoreline and lagoon. Additional removal

Before and after pictures of the vessel debris at Tatqua, Rota Island, CNMI. *Photos courtesy of D. Helton, NOAA OR&R.*

efforts are planned for low tides in early May 2008 to address several remaining sections of the wreck.

For more information contact [Doug Helton](#).

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## NOAA Marine Debris Program at ICC Conference



Volunteers with NOAA participate in the ICC each year. *Photo courtesy NOAA.*

This past week, the Marine Debris Program was highlighted during the International Coastal Cleanup (ICC) Conference hosted by Ocean Conservancy in Montego Bay, Jamaica, April 23-25, 2008. Megan Forbes was a guest speaker during the conference, providing ICC Coordinators and partners with tools and guidance for using Marine Debris 101 Web Educational Resources. The theme of the ICC is "A Day at the Beach becomes a Year-Round Movement". The resources and products available through the Marine Debris 101 site will greatly aid in the movement towards a year-round behavior change. Megan served on a panel with other industry and organizational partners such as BoatUS, Phillip Morris, the American Chemistry Council, and the University of Puerto Rico to discuss ways to engage volunteers in taking what they learn during the ICC Cleanup day and applying it to their daily lives to become greater stewards of our environment.

For more information on this conference and partnership, please contact [Megan Forbes](#).

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## University of New Hampshire Marine Debris Study

*from:* UNH research breaks down Seacoast beach trash figures  
Fosters.com, April 21, 2008

[http://www.fosters.com/apps/pbcs.dll/article?AID=/20080421/GJNEWS\\_01/823481644/-1/FOSNEWS](http://www.fosters.com/apps/pbcs.dll/article?AID=/20080421/GJNEWS_01/823481644/-1/FOSNEWS)





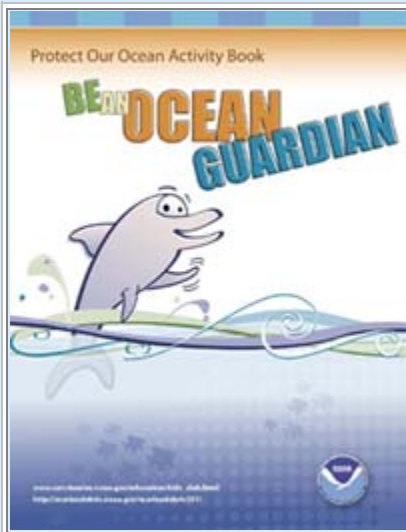
Photo courtesy UNH.

*"New Hampshire has only 18 miles of coastline, yet in 2006, more than 11,000 pounds of trash were collected during cleanups of area beaches, according to marine debris research done at the University of New Hampshire. Marine debris research began at UNH in 2006 with grants from the National Oceanic and Atmospheric Administration Marine Debris Program. Researchers worked closely with Jen Kennedy, of the Blue Ocean Society for Marine Conservation, and Ken LaValley, of New Hampshire Sea Grant... During a three-to-five year period, volunteers from Blue Ocean Society's Adopt-a-Beach Program had collected litter and debris from 14 beaches that UNH researchers have since examined for trends. The waste was divided into three categories: land, ocean and general..."*

For more information contact [Jenna Jambeck](#).

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## NEW NOAA "Protect our Ocean's Activity Book"



A brand new children's activity book has been created and is now available for download on the NOAA Marine Debris Program Web site. This activity book highlights and teaches various ways that we can all help protect our oceans, especially from the effects of marine debris. Included are puzzles, games, and coloring pages, along with how kids can become a NOAA Ocean Guardian. This activity book was created jointly by the NOAA Marine Debris Program and [Office of National Marine Sanctuaries](#).

"Protect our Ocean's Activity Book" can be downloaded at <http://marinedebris.noaa.gov/outreach/welcome.html>.

Cover of "Protect Our Oceans Activity Book"

Pages of this activity book were excerpts from the NOAA Marine Debris Program's "Understanding Marine Debris: Games and Activities for Kids of All Ages." This activity book can be downloaded in its entirety at

[http://marinedebris.noaa.gov/marinedebris101/resources\\_md101.html](http://marinedebris.noaa.gov/marinedebris101/resources_md101.html).

For more information, contact [Megan.Forbes@noaa.gov](mailto:Megan.Forbes@noaa.gov).

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## National Fish and Wildlife Foundation Marine Debris Grant Opportunity Open

A marine debris grant opportunity through the [National Fish and Wildlife Foundation](#) (NFWF) is now open.

The NOAA/NFWF is now open for pre-proposal applications. Pre-proposals are due May 5, 2008. The RFP and more information can be found by going to [www.nfwf.org](http://www.nfwf.org), and clicking on:

Grants | Special Grant Programs | Browse Special Grant Programs | Marine Debris Prevention and Removal Program | Request for Proposal

*With support from the NOAA Marine Debris Program, the National Fish and Wildlife Foundation will fund projects that will result in benefits to living marine resource habitats and navigational waterways through removing and/or preventing marine debris, including projects that are coupled with a best management practice that limits the re-accumulation of debris. This NOAA partnership supports innovative and effective conservation and stewardship of our country's marine and coastal areas.*

For more information visit <http://marinedebris.noaa.gov/funding/welcome.html>.

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## New NOAA Projects Addressing Marine Debris in the U.S.

Project description pages will be available on the [NOAA Marine Debris Program Web site](#) soon!

Atlantic Region
<a href="#">Gulf of Mexico Marine Debris Mapping Project</a>
Marine Debris Characterization in Salt Marsh and Submerged Habitats in Coastal North Carolina (North Carolina)
Derelict Crab Pots in North Carolina Waters and Their Effects on Diamondback Terrapin Populations: Proposed inventory, methodology development for effective location and removal, educational awareness campaign, and planning for long-term solutions (North Carolina)
Mapping, Assessment and Removal of Derelict Fishing Gear from Stetson Bank, Flower Garden Banks National Marine Sanctuary (Texas)
Sea Debris: Locating and removing derelict fishing gear in the Stellwagen Bank National Marine Sanctuary (Massachusetts)
Pacific Region
Temporal and Spatial Distribution of Marine Debris on Selected Beaches in the Gulf of Alaska (Alaska)
Reconnaissance Surveys for Marine Debris in Remote Areas of Alaska's Coast (Alaska)
Assessing change in Derelict Fishing Gear and Other Marine Debris in Deepwater Benthic Habitats Within the Monterey Bay National Marine Sanctuary (California)
Marine Debris Location and Removal in the Main Hawaiian Islands and Vicinity (Hawaii)
<a href="#">Marine Debris Survey and Removal from the Northwestern Hawaiian Islands (NWHI) Marine National Monument: Maintenance Mode</a>



An Assessment of the Impact of Derelict Fishing Nets on the Coral Reef Habitats of Midway Atoll (Hawaii)

At-Sea Detection and Removal of Derelict Fishing Gear in the North Pacific Subtropical Convergence Zone (NE Pacific Ocean)

Derelict Fishing Gear in Puget Sound: Prioritizing removal, preventing recruitment, and parameterizing efforts to model biological impacts (Washington)

Collection of Benthic Marine Debris During the 2008 West Coast Groundfish Trawl Survey: Distribution, characterization and weight (Pacific Ocean, west coast U.S.)

Assessing the Global Impact of Marine Debris and Derelict Fishing Gear on Marine Mammals: Beginning the dialog (Hawaii/Worldwide)

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## Marine Debris in the News

*Marine debris media hits from various sources around the world.*

*\* = Related to the NOAA Marine Debris Program, a funded project, or marine debris partners the program works with.*

### **Hunt is on for source of beach garbage \***

Cape Cod Times, April 28, 2008

<http://www.capecodonline.com/apps/pbcs.dll/article?AID=/20080428/NEWS/804280316>

### **Surfers Help Keep Hawaii Beautiful**

KGMB9 - Honolulu, HI, April 27, 2008

<http://kgmb9.com/main/content/view/5949/40/>

### **Volunteers to gather for statewide beach cleanup**

Cherry Hill Courier Post - Cherry Hill, NJ, April 26, 2008

<http://www.courierpostonline.com/apps/pbcs.dll/article?AID=/20080426/NEWS01/804260368/1006>

### **Rota agencies clean up beach of shipwreck \***

Saipan Tribune - Saipan, Northern Mariana Islands, Micronesia, April 26, 2008

<http://www.saipantribune.com/newsstory.aspx?newsID=79356&cat=1>

### **Marine garbage clean-up too costly**

radiojamaica.com - Jamaica, April 25, 2008

<http://www.radiojamaica.com/content/view/7591/26/>

### **Wales urged to lead way in plastic bag war**

ic Wales - United Kingdom, April 25, 2008

<http://icwales.icnetwork.co.uk/news/wales-news/2008/04/25/wales-urged-to-lead-way-in-plastic-bag-war-91466-20817131/>

### **Beach trash at record highs in 2007**

Asbury Park Press - Asbury Park, NJ, April 25, 2008

<http://www.app.com/apps/pbcs.dll/article?AID=/20080425/NEWS/804250460>

### **Cullivoe joins clean up campaign**

Shetland Marine News - Vidlin, Scotland, UK, April 24, 2008

[http://www.shetlandmarine.com/2008/02%20Fishing/cullivoe\\_joins\\_clean\\_up\\_campaign.htm](http://www.shetlandmarine.com/2008/02%20Fishing/cullivoe_joins_clean_up_campaign.htm)

### **Plastics threat to wildlife on beaches**

Scarborough Today - Scarborough, England, UK, April 24, 2008

<http://www.scarborougheveningnews.co.uk/news/Plastics-threat-to-wildlife-on.4013924.jp>

**UNEP tackling marine litter in the Caribbean**

Caribbean Net News - Georgetown,Cayman Islands, April 24, 2008

<http://www.caribbeannetnews.com/news-7352--9-9--.html>

**Washington Coast Cleanup takes on special meaning after founder's death**

TheNewsTribune.com - Tacoma,WA, April 24, 2008

<http://www.thenewstribune.com/soundlife/story/343271.html>

**Volunteers head west for waste - Beach cleanups heal, beautify coastal environment \***

Sequim Gazette, April 23, 2008

<http://www.sequimgazette.com/>

**Third of litter picked up at Bamburgh beach plastic**

Berwick Today - Scotland,UK, April 23, 2008

<http://www.berwick-advertiser.co.uk/news/Third-of-litter-picked-up.4011920.jp>

**Shetland port joins Fishing for Litter scheme**

Fish Update - Edinburgh,UK, April 23, 2008

[http://www.fishupdate.com/news/fullstory.php/aid/10721/Shetland\\_port\\_joins\\_Fishing\\_for\\_Litter\\_scheme\\_.html](http://www.fishupdate.com/news/fullstory.php/aid/10721/Shetland_port_joins_Fishing_for_Litter_scheme_.html)

**Team Collects, Tracks Harmful Beach Trash**

Boston Channel.com - MA, April 22, 2008

<http://www.thebostonchannel.com/news/15958501/detail.html>

**A new plan details agency responsibilities for the Northwest Hawaiian Islands**

Honolulu Star-Bulletin - Honolulu,HI, April 23, 2008

<http://starbulletin.com/2008/04/23/news/story08.html>

**Helicopter to lift tainted debris from beaches**

Peninsula Daily - Port Angeles,WA, April 23, 2008

<http://www.peninsuladailynews.com/article/20080423/NEWS/804230307>

**Volunteers haul more than 1000 lbs of trash**

Saipan Tribune - Saipan,Northern Mariana Islands,Micronesia, April 22, 2008

<http://www.saipantribune.com/newsstory.aspx?newsID=79186&cat=1>

**Debris spilling into the lake**

The Times-Picayune - NOLA.com - New Orleans,LA, April 21, 2008

[http://www.nola.com/news/index.ssf/2008/04/debris\\_spilling\\_into\\_the\\_lake.html](http://www.nola.com/news/index.ssf/2008/04/debris_spilling_into_the_lake.html)

**UNH research breaks down Seacoast beach trash figures \***

Foster's Daily Democrat - Dover,NH, April 21, 2008

[http://www.fosters.com/apps/pbcs.dll/article?AID=/20080421/GJNEWS\\_01/823481644/-1/FOSNEWS](http://www.fosters.com/apps/pbcs.dll/article?AID=/20080421/GJNEWS_01/823481644/-1/FOSNEWS)

**Gettin' dirty for a cleaner Dubuque**

Dubuque Telegraph Herald - Dubuque,IA, April 20, 2008

<http://www.thonline.com/article.cfm?id=198831>

**Dan Haifley, Our ocean backyard: Weekend warriors hit the beach**

San Jose Mercury News - CA, April 20, 2008

[http://www.mercurynews.com/centralcoast/ci\\_8991771?nclick\\_check=1](http://www.mercurynews.com/centralcoast/ci_8991771?nclick_check=1)

**Mokauea Restoration**

KHNL-TV/KHBC/KOGG - Honolulu,HI, April 19, 2008

<http://www.khnl.com/Global/story.asp?S=8198581>

**Plastic not fantastic for sea life**

Shetland Times - Lerwick,Scotland,UK, April 18, 2008

[http://www.shetlandtoday.co.uk/Shetlandtimes/content\\_details.asp?ContentID=26026](http://www.shetlandtoday.co.uk/Shetlandtimes/content_details.asp?ContentID=26026)

### **Military Hauls Tons Of Trash From Mokauea Island**

KITV.com - Honolulu,HI, April 18, 2008

<http://www.kitv.com/mostpopular/15928650/detail.html>

### **Thinking green pays off for students**

Honolulu Advertiser - Honolulu,HI, April 18, 2008

<http://www.honoluluadvertiser.com/apps/pbcs.dll/article?AID=/20080418/NEWS01/804180377/1190/LOCALNEWSFRONT>

### **Hidden danger of marine litter**

Shetland Marine News - Vidlin,Scotland, April 18, 2008

[http://www.shetlandmarine.com/2008/07%20Environment/hidden\\_danger\\_of\\_marine\\_litter.htm](http://www.shetlandmarine.com/2008/07%20Environment/hidden_danger_of_marine_litter.htm)

### **Pacific Grove backs green, not polystyrene: Eateries banned from use of plastics**

The Herald, 4/17/08

[http://www.montereyherald.com/news/ci\\_8955607?nclick\\_check=1](http://www.montereyherald.com/news/ci_8955607?nclick_check=1)

### **Cape Coral cleanup to be held Saturday**

The News-Press - Fort Myers,FL, April 17, 2008

<http://www.news-press.com/apps/pbcs.dll/article?AID=/20080417/NEWS0101/80417020/1003/ACC>

### **Saudi Arabia: A Call to Save the Red Sea**

Asharq Alawsat - London,UK, April 16, 2008

<http://aawsat.com/english/news.asp?section=7&id=12444>

### **Volunteers needed for Elnor Island cleanup**

Tampa Bay Newspapers - Seminole,FL, April 15, 2008

[http://www.tbnweekly.com/pubs/beach\\_beacon/content\\_articles/041508\\_bhb-04.txt](http://www.tbnweekly.com/pubs/beach_beacon/content_articles/041508_bhb-04.txt)

### **World's beaches awash in debris**

Niagara Falls Review - Niagara Falls,Ontario, April 16, 2008

<http://www.niagarafallsreview.ca/ArticleDisplay.aspx?e=987023>

100000 kg of trash hauled from Canada's coasts

CTV.ca - Canada, April 16, 2008

[http://www.ctv.ca/servlet/ArticleNews/story/CTVNews/20080416/trash\\_beaches\\_080416/20080416?hub=Canada](http://www.ctv.ca/servlet/ArticleNews/story/CTVNews/20080416/trash_beaches_080416/20080416?hub=Canada)

### **Taylor Shellfish keeps beach property cleaner than its previous state**

Peninsula Gateway - Gig Harbor,WA, April 16, 2008

<http://www.gateline.com/opinion/story/1169.html>

### **Mission to protect sanctuary (Litter abatement task force)**

Montgomery County Herald, April 16, 2008

[http://www.montereyherald.com/ci\\_8942173?nclick\\_check=1](http://www.montereyherald.com/ci_8942173?nclick_check=1)

### **EAD to clean up Al Taweelah Beach on Saturday**

ArabianBusiness.com (press release) - Dubai,Umm al Qaiwain,United Arab Emirates, April 16, 2008

[http://www.arabianbusiness.com/index.php?option=com\\_pressreleases&view=detail&pr\\_id=16441&Itemid=77&ln=en](http://www.arabianbusiness.com/index.php?option=com_pressreleases&view=detail&pr_id=16441&Itemid=77&ln=en)

### **Pitch in to cleanup the Earth**

Pacifica Tribune - Pacifica,CA, April 16, 2008

[http://www.pacificatribune.com/localnews/ci\\_8946468](http://www.pacificatribune.com/localnews/ci_8946468)

### **NOAA Offers \$200,00 to Help Clean Biscayne Bay \***

Environment News Service - USA, April 15, 2008

<http://www.ens-newswire.com/ens/apr2008/2008-04-15-091.asp>



**Ocean Conservancy project lists garbage found on coastlines on one day**

Kansas City Star - MO, April 15, 2008

<http://www.kansascity.com/news/nation/story/577740.html>

**Hawaii Celebrates Earth Day in Many Ways**

KHNL-TV/KHBC/KOGG - Honolulu, HI, April 15, 2008

<http://www.khnl.com/Global/story.asp?S=8172537>

**Group finds 6 million pounds of trash on world's beaches**

The Associated Press, April 15, 2008

[http://ap.google.com/article/ALeqM5jUibbzb50ulf5P4GcN5Lykp\\_xaRgD902H5801](http://ap.google.com/article/ALeqM5jUibbzb50ulf5P4GcN5Lykp_xaRgD902H5801)

**Scouts Clean Up Long Island Beach (audio)**

KMXT radio, April 15, 2008

<http://www.kmxt.org/?q=node/4124>

**Scouts tidy beaches for marine debris project**

Kodiak Daily Mirror, April 15, 2008

<http://www.kodiakdailymirror.com/?pid=19&id=6079>

**British beaches 'littered with plastic**

Environmental Data Interactive - UK, April 14, 2008

[http://www.edie.net/news/news\\_story.asp?id=14490&channel=0](http://www.edie.net/news/news_story.asp?id=14490&channel=0)

**When Boaters Remove the Shrink-Wrap, New Jersey Recycles**

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Any questions, comments, or submissions should be sent to [Carey Morishige](#).