



Clean Ocean Advocate

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Save the Date!
 September 18th, Blue Star Launch Party
 October 9th, Student Summit, Island Beach State Park
 October 25th, Annual Beach Sweep
 November 14th, COA's 30th Anniversary Party "Denim & Pearls"

- Blue Star Launch
- Green Slime
- Student Summit

September 2014 Highlights

1. Contact Governors Christie and Cuomo to stop seismic testing and to veto offshore LNG facilities.
2. Volunteer to be an active ocean advocate at festivals!
3. Become a Beach Sweep Captain.

TAKE ACTION TO HELP YOUR OCEAN:

Clean Ocean Action
 18 Hartshorne Drive, Suite 2
 Highlands, NJ 07732
 732-872-0111
 www.CleanOceanAction.org
 RETURN SERVICE REQUESTED



LABEL

Follow COA on Social Media For Ocean Updates!

- We are now on Instagram!
@CleanOceanAction
- Like "Clean Ocean Action"
- @cleanocean
#COAsBDAY
- cleanoceanaction.blogspot.com

TRIBUTES



In Memory of:
 Clarence D. Baxter
 Samuel Karinja

In Honor of:
 Liz Fordi and Adam Rechnitz's wedding
 Martin Burns' Birthday

COAST into Fall

This summer's Clean Ocean Action Shore Tips (COAST) campaign was proficiently led by Heather Schleiffer, a junior at Rollins College in Winter Park, FL. She is an Environmental Studies major and the Sustainability Coordinator for the college. In high school, Heather was a past Student Ocean Advocate and Beach Sweep Coordinator for COA. From June to August in Monmouth and Ocean Counties, Heather coordinated 20 volunteers at 12 festivals and 51 COAST volunteers at 21 sites. The volunteers enlightened hundreds of citizens about the importance of ocean protection and how people are the solution to pollution. Throughout the summer, the COAST program raised nearly \$1500 in donations for COA. A special thanks to all our wonderful volunteers!



COAST was not only successful but also innovative with the introduction of the Seaside Seminar! Along with our Marine Debris Intern, Abby van Hemmen, the monthly Seaside Seminars took on a fun and interactive flair as "Fishin' for Facts Trivia Night" and "Shark Bite Trivia Night"! Participants actively learned about Clean Ocean Action, marine life, and ocean pollution through competitive and fun jeopardy games. COA hopes to continue this fun, family friendly event throughout the year to keep volunteers engaged and learning about current ocean issues, ways to stay involved, and more about Clean Ocean Action. Stay tuned for our next Seaside Seminar!

We have no doubt Heather will have an outstanding year at Rollins and COA wishes her the best of luck. She was a hard worker and willing to do whatever it took to help the ocean. Thank you, Heather!

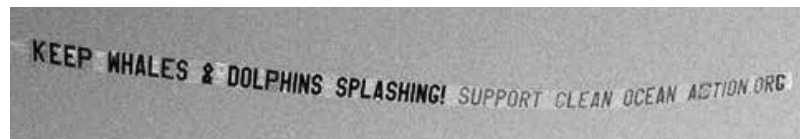
COAST Volunteer Opportunities

- Saturday, September 6, 2014:**
- **Environmental Fair**, Library Park, Plainfield: 11am – 3pm
 - **Brick Township Green Fair**, Bob Anstett Cultural Center, 515 Herbertsville Rd, Brick: 10am – 2pm
- Saturday, September 13, 2014:**
- **Hammonton Green Day**, 28 Vine Street, St. Joseph's High School, Hammonton: 12pm – 4pm
 - **Clearwater Festival**, The Great Lawn, Long Branch: 11am-7pm
- Sunday, Sept 14, 2014**
- 4th Annual Paddle the Navesink Day, Maple Cove, Red Bank, 11am-3pm

Please contact intern@cleanoceanaction.org or call the office at 732-872-0111 to sign-up to volunteer at a festival.

USGS Seismic Survey Rubber-Stamped and Underway

On August 21, The National Oceanic and Atmospheric Administration (NOAA) issued the final marine mammal harassment approval to the United States Geological Survey (USGS), which green-lighted their seismic survey of the Atlantic continental shelf and slope areas from Massachusetts to South Carolina. The same vessel scheduled for the ill-fated Rutgers ocean blasting study off Barnegat Bay, the Marcus G. Langseth, began its trip out to sea from southern New Jersey and was likely blasting as early as Saturday. The survey will run for approximately 18 days this August and September and for another 18 days in 2015, and will blast important habitat areas for the critically endangered North Atlantic right whale and the threatened loggerhead sea turtle. Upon hearing this update, COA Executive Director Cindy Zipf said, "This is another disappointing decision for marine life in the Atlantic Ocean up and down the coast. The survey will be running within the Gulf Stream, one of the ocean's great ecological wonders." Track the Marcus G. Langseth at www.marinetraffic.com. COA will encourage members of Congress and the states of NJ and NY to stop these harmful activities. Stay tuned and follow us on Facebook for updates.



To celebrate COA's 30th Anniversary and another wonderful summer, we were honored with a kind gift of underwriting a banner plane. We hope you enjoyed your summer and saw the beautiful whales and dolphins!

Welcome Tory Woods!

Tory has joined the crew of COA as *Events Coordinator* and she has already made a splash! As a volunteer, she dove-in to help organize the Shore Paddle. Her efforts were extraordinary and she is now working full time coordinating the Denim & Pearls 30th Anniversary Event, organizing our newsletter and social media, and that is just the beginning. Tory is a graduate of the University of South Carolina with a BS in Environmental Science. She has experience in fundraising, outreach, sales, and event planning, and does all with a creative flair. We are delighted to have Tory on board as a member of the COA crew with her many talents, excellent assets, and skillful and fun traits!



SCIENCE AND ADVOCACY

Cassandra Ornell, Science@cleanoceanaction.org

Cara Muscio, Coastal@cleanoceanaction.org



COA supporters Amanda Wheeler and Lauren Townsend show their opposition to Port Ambrose at a Christie press conference in Asbury Park.

Port Ambrose Update- Public Hearings Expected Late Fall

Liberty LNG continues to slowly push forward with its application to develop a deepwater liquefied natural gas (LNG) port off the New York and New Jersey coasts, despite mounting opposition from concerned citizens and advocacy groups. In a recent letter from US Environmental Protection Agency Region 2 office, Liberty LNG did not include emissions calculations for some important Port activities (including fuel unloading) and for emission values they did provide, Liberty gave insufficient information on how they performed their calculations. Liberty also tried to cut corners in their air permit application by requesting exemptions to certain requirements, which the EPA denied. Furthermore, Liberty's application failed to address how air emissions from Port Ambrose could affect species listed under the Endangered Species Act or people living in Environmental Justice communities.

Liberty has yet to finish their Environmental Impact Statement, which must comprehensively detail all known and potential environmental impacts that the construction, operation, maintenance, and decommissioning of Port Ambrose (as well as a range of alternatives) could cause. According to the United States Coast Guard, this document is expected to be released this fall, so stay tuned for updates!

Governors Cuomo and Christie have the authority to veto Port Ambrose. New York groups are planning events to urge Gov. Cuomo to oppose the project. Governor Christie continues to state his opposition. At an August 15 press conference in Asbury Park, he reiterated his opposition to the project. You can help by calling or writing to your governor and asking him to veto Port Ambrose – visit COA blog for talking points!

Coastal Rules Update: COA Testifies in Trenton

On August 18, COA Executive Director Cindy Zipf and Staff Scientist Cassandra Ornell testified in front of the New Jersey Senate Environment and Energy Committee on the NJ Department of Environmental Protection's proposed coastal rule revisions. COA expressed concern that the consolidated coastal rules may not reflect the legislative intent of the underlying statute, the Coastal Area Facility Review Act (CAFRA).

Furthermore, the updated rules, which should be encouraging environmentally responsible and precautionary development along our coast, instead fail to capitalize on lessons learned from Superstorm Sandy and serve to weaken coastal protection, encourage irresponsible development, and impair water quality. For these reasons, COA urged the Senate to evaluate the rules to ensure they are in compliance with the purpose, intent, and statutes of CAFRA and consistent with any related federal rules. Visit COA's blog to read the entire testimony.



COA's Cindy Zipf and Cassandra Ornell testify in front of the NJ Senate Environment and Energy Committee.

The Science Behind the Green Slime

Algae blooms and fish kills have been making headlines recently, from the Great Lakes to the Shark River. Although these events occur naturally, due to changes in weather or season, they are usually a symptom of too many people doing things that overwhelm the ecosystem. For example, too many lawns being fertilized excessively. COA calls this "people pollution", but others call it nonpoint source pollution. Littering is another example.

Too much of anything can cause problems. Algae blooms, for instance, are often caused by an overabundance of nitrogen and phosphorus (the active ingredients in fertilizer) in the system.

Any excess fertilizer applied to a property that doesn't seep into the soil will likely be washed away by rain, down the streets and into storm drains, and end up in our waterways. These same nutrients that make grass grow also work on algae. Too many nutrients in a condensed area can easily overwhelm the whole system and cause many problems, such as fish kills. This process is called eutrophication, and is a common coastal issue.

Barnegat Bay is a tragic example of a waterway with people pollution issues. Rutgers scientists have reported that sensitive seagrass species are declining, and have documented other signs that the bay's health is in jeopardy. In a recent article by Kirk Moore in the Asbury Park Press, researchers reported that 25% of the watershed in Barnegat Bay is lawn, and the population has skyrocketed from about 200,000 to 580,000 over the last 40 years.... and that does not include summer visitors.

Some Groups such as COA, Save Barnegat Bay, the American Littoral Society, and Pinelands Preservation Alliance, were key in passing NJ's fertilizer law to help address this issue. But more must be done. Under the Clean Water Act, waterways that have become polluted can be declared "impaired" which would then trigger legal requirements for the state to act to reduce pollution sources.

You can help! Support Save Barnegat Bay's efforts to have the waterway declared impaired by signing their petition. Also, become a Barnegat Bay "Bay Buddy" and use environmentally friendly landscaping practices. Visit our website for more information on ways to get involved. Whether you live in Barnegat Bay or not, these actions will improve all waterways.



BEACH CAPTAIN OPPORTUNITIES

Calling Volunteers!

In preparation for COA's Fall Beach Sweeps on Saturday, October 25th, **Beach Captains** are needed for the following locations:

Atlantic County

Atlantic City – Missouri Avenue
Egg Harbor Township – Longport Dog/Malibu Beach

Ocean County

Bay Head – Firehouse, 81 Bridge Avenue
Brick – F Cove
Brick – Baywood Marsh
Lakewood – Lake Carasaljo
Manahawkin – Mallard Island Yacht Club Parking Lot

If you are interested or have any further questions please contact Catie Tobin at education@cleanoceanaction.org

EDUCATION

Catie Tobin, Education@cleanoceanaction.org

Calling all south Jersey middle schools!

Join Clean Ocean Action in taking science to the beach for the Fall Student Summit, which is scheduled for October 9, 2014 at Island Beach State Park from 9 – 12:30pm. Students will take environmental science out of the classroom and participate in various hands-on field trips and workstations. The Summit is for middle schools of the following southern NJ counties: Ocean, Burlington, Camden, Gloucester, Salem, Cumberland, Cape May and Atlantic. For more information, please contact Catie Tobin at education@cleanoceanaction.org or visit the website for the application www.cleanoceanaction.org.



Become an Education Ambassador

Do you love the ocean? Are you a teacher or are you comfortable doing presentations in front of groups? If so, then the Clean Ocean Action Education Ambassador is the program for you! Ambassadors will assist Clean Ocean Action's education program by conducting presentations about ocean pollution issues to schools and community groups. Ambassadors will be compensated for their time. For more information, please contact Catie Tobin at education@cleanoceanaction.org or visit the website www.cleanoceanaction.org.

Virtual Teach-In

A New Wave for Education

The 2nd Annual Virtual Teach-In is coming to a classroom near you in October! Serving as part of COA's 2013 Waves of Action Program, 87 educators, ranging from 77 schools, 6 groups, 1 Cub Scout Troop, and 3 homeschoolers, were able to virtually bring Clean Ocean Action resources into their classrooms to learn more about the science behind Superstorm Sandy, climate change, and sea level rise.

COA will continue this new tradition in October. The Virtual Teach-In will focus on environmental education and the science behind extreme weather and climate change. Resources and lesson plans provided for age groups ranging from kindergarten to 12th grade will be complete with videos, activities, and instructional aids. Topics include: Climate Change, Global Warming, Sea Level Rise, Your Carbon Footprint, Greenhouse Gasses, and the Science Behind Hurricanes and Superstorm Sandy.

Stay tuned for more information!

"Go Green: Back to School Tips"

- Buy 100% Recycled Paper and Notebooks
- Pack a healthy lunch in glass or re-useable containers
- Limit the number of plastic bags you use
- Use a refillable, BPA-free water bottle
- Buy second-hand back to school clothes
- Walk, bike, or carpool to school
- Use a white board for homework to reduce the amount of paper