

New York Sea Grant in New York City

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One of New York Sea Grant's main focus areas in the New York City region for research, extension and education efforts is the Hudson River, which flows through 315 miles of eastern New York from the Adirondack Mountains. The lower half of the Hudson is an estuary influenced by ocean tides and saltwater. Bordered by 15 New York State counties, the estuary is defined by the Federal Dam at Troy and the Verrazano Narrows in New York City.

Some New York Sea Grant research also takes place in and around the New York - New Jersey Harbor Estuary. The estuary opens into the New York Bight and Long Island Sound, the latter of which is also a main focus area for New York Sea Grant.

For more of New York Sea Grant's New York City-centric news, go to www.nyseagrant.org/nyc



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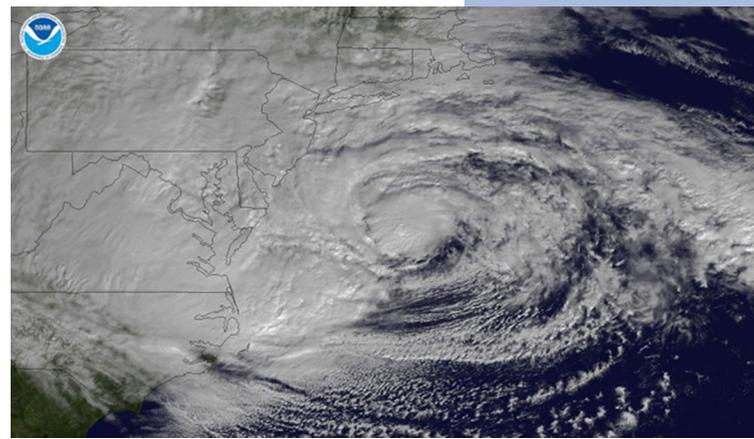
Scientists Go 'Social' with Sandy (Fall 2012 – Spring 2013)

Before, during and after landfall of Sandy in late October, New York Sea Grant (NYSG)-funded Stony Brook University (SBU) School of Marine and Atmospheric Sciences researchers kept close tabs on the storm.

SBU Storm Surge Research Group members **Drs. Malcolm Bowman** and **Brian Colle** provided their results via E-mail, the Group's Web site, and NYSG's Web site. During the height of the storm, NYSG's Twitter and Facebook feeds were the primary avenues for providing information as many (including the University) lost power and network connections. In some cases, the group was able to correct some of the storm-related inaccuracies reported about coastal flooding in lower Manhattan.

Once Sandy retreated, NYSG Coastal Processes and Facilities Specialist **Jay Tanski** surveyed many of the areas hit hardest on Long Island's South Shore. His report is featured at www.nyseagrant.org/hurricane. This site also includes an array of pre- and post-storm resources, including educational materials and volunteer opportunities.

A National Oceanic and Atmospheric Administration (NOAA) GOES-13 satellite-produced image of Sandy descending on the U.S. Northeast on Monday, October 29, 2012. This image shows the storm as it is centered off of Maryland and Virginia, is heading in a northwestern direction towards the Delaware and southern New Jersey coast.



One of 32 university-based programs under the NOAA's National Sea Grant College Program, NYSG is a cooperative program of the State University of New York and Cornell University. NYSG is a statewide network of integrated research, education and extension services promoting the coastal economic vitality, environmental sustainability and citizen awareness about the State's marine and Great Lakes resources.

Mapping Out Coastal Change (Summer 2012 - 2013)

In Summer 2012, NYSG Hudson Estuary Specialist **Nordica Holochuck** (pictured at far right) hosted **Bryan Chan** (pictured at far left), a Cornell University's College of Agriculture and Life Sciences at Cornell University (CALS)-sponsored undergraduate intern in her Kingston office. Chan worked with NYSG Web Content Manager **Paul C. Focazio** (pictured in middle) to develop educational curricula for a number of sites, including Liberty Island, as part of a Web-based mapping project on coastal change over time along more than 500 miles of New York's urban coastal and estuarine environments. This content will be online in late Summer 2013 along with an update provided in NYSG's Currents e-newsletter. Sign up for our e-list at www.nyseagrant.org/ecurrents.



Photo by Paul C. Focazio

NYSG Joins Some 600+ Attendees at Metropolitan Waterfront Alliance's Annual Spring Conference (June 2013)

Policy-Makers, including NYC Mayoral Candidates, And Scientists, including NYSG-funded researcher **Malcolm Bowman**, address pressing issues about protecting and improving hundreds of miles of metropolitan waterfront in the wake of Superstorm Sandy.



Photo courtesy of MWA

Six panels of experts discussing of-the-moment waterfront topics rounded out the rest of the day, the later four while the boat cruised around New York Harbor. Among the speakers were, Stony Brook University (SBU) School of Marine and Atmospheric Sciences (SoMAS) oceanography professor and storm surge expert Malcolm Bowman (pictured above at the Conference) and Stevens Institute of Technology research scientist **Philip Orton**, both of whom are currently being funded by New York Sea Grant (NYSG) on separate studies.

"This is not just a New York City problem," said Bowman during one of the discussions. "It's a New Jersey problem, a Long Island problem ... I hear a clamor of voices all around me about what to do next. I see a clash of cultures ... and there's a lot of talking past each other, all with good intention. I believe this confusion will continue until our political leaders agree that this Sandy-induced catastrophe must never be allowed to happen again. And if our political leaders will make that statement, then I think that will clarify a lot of what the solutions should be, how much they might cost, what's affordable/what's not, what's local/what's regional."

'Dose of Reality' Campaign in NYC (January 2012)

From late December 2011 through March 2012, Sea Grant and the American Veterinary Medical Association (AVMA) were informing audiences on the issue of safe medicine disposal on the CBS JumboTron "Super Screen" in New York City's Times Square. The 15-second public service announcement - which raises awareness on the importance of not flushing unused medicine - ran about 18 times a day or about every 80 minutes. Audiences were informed that medicines can contaminate lakes, rivers and drinking water, posing a threat to people, animals, and the environment.

Since 2010, Sea Grant programs in Pennsylvania, New York, Ohio, and Illinois and Indiana have been educating people about the problems associated with pharmaceuticals and personal care products. In Fall 2010, these Great Lakes Sea Grant program began distributing a 12-page educational publication, "Dose of Reality: Remedies to keep everyday chemicals out of waterways." In New York, the contact for this campaign is New York Sea Grant's Coastal Education Specialist **Helen Domske**.



Photo by Barbara A. Branca