(C)

Melissa Velez-Morales

From: Masser, Michelle
Sent: Tuesday, July 12, 2016 1:10 PM
To: Harris, Laura
Cc: Melissa Velez-Morales
Subject: FW: [Sustainable_raritan_river] NEWS from the Sustainable Raritan River Initiative--July 2016
Attachments: ATT00001.txt

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From: Sustainable_raritan_river [mailto:sustainable_raritan_river-bounces@email.rutgers.edu] **On Behalf Of** raritan@ejb.rutgers.edu
Sent: Tuesday, July 12, 2016 11:01 AM
To: sustainable_raritan_river@email.rutgers.edu
Subject: [Sustainable_raritan_river] NEWS from the Sustainable Raritan River Initiative--July 2016

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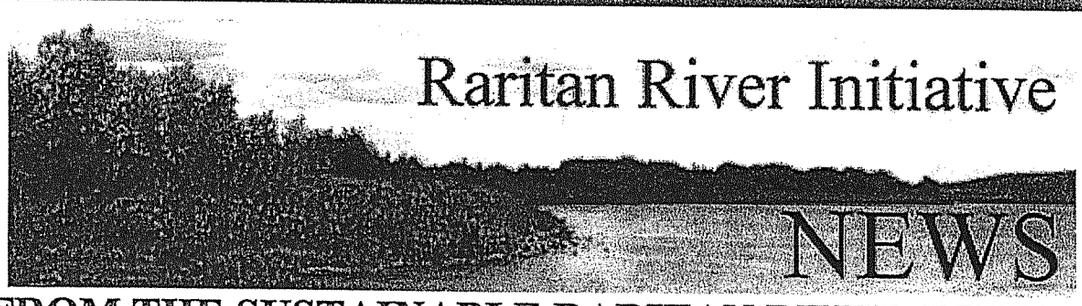

NEWS FROM THE SUSTAINABLE RARITAN RIVER INITIATIVE - July 2016

News and Information

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About the Sustainable Raritan River Initiative

Regional Collaborative Activities

Check out the full calendar and all details by clicking here!

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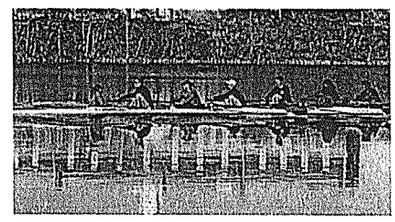
Thank you!



Thanks to everyone who joined us at the **8th Annual Sustainable Raritan Conference and Awards Ceremony** at the Rutgers' Douglass Student Center in New Brunswick on Friday, June 10th. The theme of this year's conference was **RU on the Raritan, *exploring an agenda for Rutgers' stewardship of the Raritan River, basin and bay*** where we showcased the work of Rutgers faculty, staff and students, and Collaborative partners in the Raritan Basin. We had a great turnout, and the presentations and plans for further collaboration between Rutgers and the Raritan community were well received.

Our thanks go to Mike Greenberg, Bob Goodman and Chancellor Edwards for joining Jeanne Herb in opening the conference and setting the agenda for Rutgers' collaboration on Raritan issues. Thanks to Lisa Auermuller, Michele Bakacs, Kate Boicourt, Michael Catania, Kimberly Cenno, Bob Chant, Jennifer Clear, Nicole Fahrenfeld, George Guo, Jean Marie Hartman, Wolfram Hoefer, Ken Klipstein, Karen Lowrie, Kristi MacDonald, Debbie Mans, Ken Mitchell, Chris Obropta, Rob Pirani, Beth Ravit, Erin Stretz, Dan Van Abs, Jim Waltman, Frank Wong, and Steve Yergeau for their excellent presentations and summary comments that highlighted the great work that is going on in the Raritan region. And thanks also to Oscar Schofield for joining with Rick Lathrop in setting a vision for a new Rutgers/Raritan relationship where the Raritan environs inform university-based education, research and scholarship and where Rutgers applies its research, programming and resources to advance improvements in regional planning, policy and decision-making for positive change in the Raritan region.

Later this month we will post a summary of the conference and copies of the panelists' presentations to our website. And watch our website and this newsletter for more about a new agenda for Rutgers on the Raritan.

RUTGERS
Sustainable Raritan River Initiative *Jeanne Herb, Dr. Richard Lathrop and Sara Malone*

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Congratulations to the 2016 Sustainable Raritan Award Recipients

Eight individuals and organizations received Sustainable Raritan River Awards at the 8th Annual Sustainable Raritan Conference and Awards Ceremony at Rutgers' Douglass Student Center on Friday, June 10, 2016.

"The purpose of these awards is to recognize some of the more creative and impressive accomplishments by genuine leaders throughout the Raritan Watershed," said Michael Catania, Executive Director of Duke Farms Foundation and a member of the Sustainable Raritan Awards Committee.

Each year at its Annual Conference, the Sustainable Raritan River Collaborative and the Sustainable Raritan River Initiative give awards to recognize outstanding achievement in efforts to revitalize, restore and protect the Raritan resources and promote the area as a premiere place to live, work and raise a family.

The Sustainable Raritan Awards were established in 2010 to promote innovation and energize local efforts to restore and protect the rivers, streams and habitat of the Raritan River and Bay. There were originally six categories of awards: Government Innovation, Leadership, Public Access, Public Education, Remediation and Redevelopment, and Stewardship. Due to the breadth of nominees, additional awards have been added over the years. The awards have highlighted extraordinary accomplishments and inspired other groups across the watershed to achieve comparable levels of excellence; 2016 was no exception.

Debbie Mans, Baykeeper and Executive Director of the NY/NJ Baykeeper – also a member of the Awards Committee – noted, "Given the level of dedication and range of activities by so many people this past year, it was both a pleasure and a challenge to select winners."

The 2016 Sustainable Raritan Award recipients and their awards are:

- *Government Innovation Award* – Somerset County Green Leadership Hub
- *Leadership Award* – Bill Schultz, Raritan Riverkeeper
- *Leadership Award* – Candace Ashmun
- *Public Education Award* – Dr. Chris Obropta and the Rutgers Cooperative Extension Water Resources Program Team
- *Public Education Award* – Eric Zwerling
- *Public Access Award* – New Jersey Conservation Foundation
- *Sustainability Award* – Stony Brook Millstone Watershed Association's Watershed Center for Environmental Advocacy, Science and Education
- *Stewardship Award* – Beth Davisson and Larry Jacobs
- *Non-Profit Innovation Award* – New Jersey Highlands Coalition's Small Grants Program

Bill Kibler, Director of Policy for the Raritan Headwaters and a member of the Awards Committee said, "We noted this year that there has been an increase in citizen involvement in projects throughout the watershed, and we received several nominations for these actions, which did not fit neatly into the existing award categories. So, beginning in 2017, we will add a new award category – Citizen Action – in order to encourage and recognize these types of individual commitments to projects such as stream clean ups, water quality monitoring, and similar critical citizen actions."

The Awards Committee for this year's awards included, Michael Catania, Executive Director of the Duke Farms Foundation, William Kibler, Director of Policy for the Raritan Headwaters, and Debbie Mans, Baykeeper and Executive Director of the NY/NJ Baykeeper. All three of the organizations that they represent are members of the Sustainable Raritan River Collaborative. Michael and Debbie also serve on the Steering Committee for the Sustainable Raritan River Initiative.

To learn more about the Sustainable Raritan Awards, the Sustainable Raritan River Initiative, or the Sustainable Raritan River Collaborative, visit www.raritan.rutgers.edu. To see descriptions of our Award recipient's accomplishments, visit our awards page at http://raritan.rutgers.edu/about/raritan-awards/ or click on this link.

Photo from left to right. Front row: Walter Lane and Tara Kenyon of Somerset County Planning Division; Jim Waltman and Kate Hutelmyer of Stony Brook-Millstone Watershed Association; Bill Schultz, Raritan Riverkeeper; Rosana Da Silva and Chris Obropta of Rutgers Cooperative Extension Water Resources Program; Julia Somers of the Highlands Coalition; Larry Jacobs and Beth Davisson; Eric Zwerling. Second row: Cody Obropta, Maithreyi Thukaram, Dominick Cardella, Tyler Obropta, Adam Cucchiara, Kaylene Campbell, Tekla Pontius-Courtney with Rutgers Cooperative Extension Water Resources Program. Third row: Brittany Musolino, Erin Stretz and Mike Pisauro of Stony Brook-Millstone Watershed Association; Debbie Mans; Bill Kibler; Michael Catania. Not shown: Candace Ashmun. Photo credit: Nick Romanenko, ©2016 Rutgers University.

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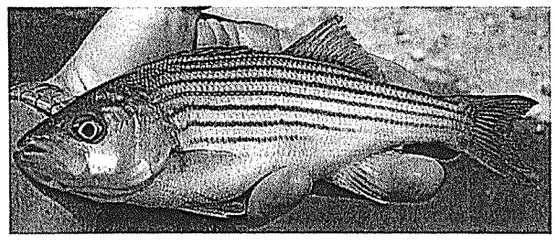
Anglers can help with Juvenile Striped Bass Study in the Raritan



Local anglers can contribute to a Rutgers' research project by reporting catches of juvenile striped bass in the Raritan River and Bay.

The striped bass fishery remains one of the most important fisheries along the Atlantic coast. In New Jersey it is an extremely important species for the recreational fishing industry with the spring and fall fisheries providing an economic boost to the industry. This fishery is unique in that it provides equal angling opportunities for shore-and boat-based anglers. Management measures implemented in the mid 1980s helped the stock recover and the spawning stock biomass peaked in 2003. However, since 2003 biomass has been on the decline and scientists are uncertain as to why the decline is taking place. This decline has forced fishery managers to implement measures that reduce the striped bass harvest in New Jersey with the goal of increasing recruitment into the spawning stock biomass. Further reductions in the striped bass harvest/catch have the potential to negatively impact angler participation in this fishery.

The Rutgers research team of Dr. Olaf P. Jensen, Dr. Kenneth W. Able and Dr. Paola Lopez-Duarte began a two year effort in the spring of 2016 to investigate the presence of juvenile striped bass in Great Egg Harbor, Mullica River - Great Bay and the Navesink and Raritan Rivers. With the assistance of recreational anglers they will capture juvenile striped bass for laboratory analysis. Fish ear bones, known as otoliths, contain a chemical record of the water the fish inhabited at different points in their lifetimes. Using microchemistry techniques on otoliths from juvenile striped bass captured in these estuaries the team will identify when they entered the estuary and determine if they originated locally or from one of the larger regional estuaries such as the Chesapeake, Delaware or Hudson. They will also compare growth rates of juvenile striped bass that remain in the estuary where they were born to those that migrate to a different estuary. The results of the project will provide fishery managers with an understanding of how small estuaries contribute to the overall stock of striped bass.

Anglers can contribute to this project. When they catch a striped bass under 12" in a New Jersey river or bay other than the Hudson River or Delaware River/Bay, they can report the date, location and number of stripers under 12" to sej.stripers@gmail.com.

Anglers are reminded that it is illegal to keep undersized fish.

For more information and updates on the project visit http:/marine.rugters.edu/~ojensen/Striper.html. *(Photo from NJ Sea Grant Consortium - Jensen Page.)*

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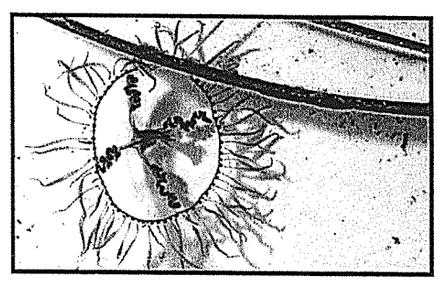
Clinging Jellyfish in Local Waters



The Department of Environmental Protection has authorized a study in partnership with Montclair State University to determine the distribution and prevalence of clinging jellyfish, a dime-to-quarter sized and invasive jellyfish that packs a powerful sting that has been reported mostly in the Shrewsbury River in recent weeks.

The jellyfish, a native to the Pacific Ocean, is very difficult to spot in the water. A sting can produce severe pain and other localized symptoms and, in some cases can result in the need for hospitalization.

Multiple specimens have been observed and collected in the Shrewsbury River, while a single clinging jellyfish has been confirmed in the Manasquan River. The studies will be conducted in these waterways, as well as northern portions of Barnegat Bay - where the jellyfish has not, as yet, been observed.

No clinging jellyfish have been found on coastal beaches, nor are they anticipated, as they prefer to cling to vegetation found in sheltered bay and estuarine waters.

The clinging jellyfish (*Gonionemus vertens*), is not known to inhabit ocean beaches or other sandy areas, but tends to attach itself to submerged aquatic vegetation and algae in back bays and rivers, areas not heavily used for swimming.

According to the Woods Hole Oceanographic Institution, the clinging jellyfish has a red, orange or violet cross across its middle. Each jellyfish can trail 60 to 90 tentacles that uncoil like sharp threads and emit painful neurotoxins. Clinging jellyfish primarily feed on

zooplankton.

Both the adult (medusa) and polyp stages of the clinging jellyfish are capable of stinging, a mechanism they use to stun prey and to defend against predators.

DEP encourages the public to exercise common sense and caution in areas where the jellyfish have been discovered for recreation. Anyone wading through these areas, especially near aquatic vegetation should take precautions, such as wearing waders to protect themselves.

If stung by a clinging jellyfish:

- Apply white vinegar to the affected area to immobilize any remaining stinging cells.
- Rinse the area with salt water and remove any remaining tentacle materials using gloves or a thick towel.
- A hot compress can then be applied to alleviate pain.
- If symptoms persist or pain increases instead of subsiding, seek prompt medical attention.

For more information on the clinging jellyfish, visit: www.njbeaches.org/news/75

Note that Clean Ocean Actions 2016 Shore Paddle has been postponed due to the presence of clinging jellyfish in the Shrewsbury River.

(Photo from cleanoceanaction.org.)

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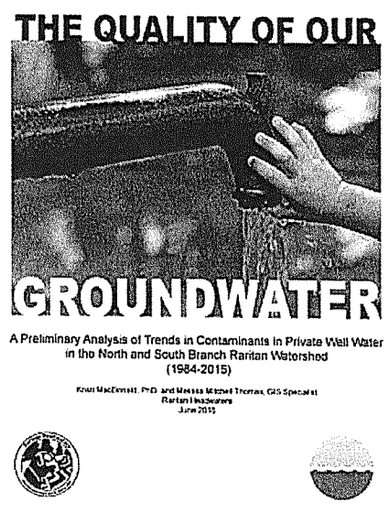
Well Study Shows Arsenic Increase in Drinking Water



An analysis of well water tests by the nonprofit watchdog group Raritan Headwaters has detected a disturbing increase in concentrations of arsenic, a known carcinogen.

Raritan Headwaters recently analyzed data from over 30 years of well testing within its 470-square-mile watershed in Hunterdon, Somerset and Morris counties. Among the study's findings was that the percentage of wells with high levels of arsenic rose significantly from 2003 to 2015, the period for which arsenic testing records were available.

Arsenic is a metal that occurs naturally in certain layers of bedrock, especially those found in New Jersey's Piedmont region. It was once used in pesticides, and traces often linger in soils on current and former farm fields. It also is found in wood preservatives.

Under New Jersey standards, a concentration of arsenic exceeding 0.005 milligrams per liter of water (mg/L), or 5 parts per billion, is considered unacceptable. Exposure to arsenic is known to cause liver, kidney, colon and bone cancers, as well as gastrointestinal ailments, diabetes and cardiovascular impacts.

The annual well failure rate for arsenic also showed an increasing trend watershed wide. Over 16 percent of wells tested for arsenic failed to meet the state's drinking water standard.

Four out of five residents of the North and South Branch Raritan watershed region – about 320,000 people – obtain their drinking water from the ground through wells.

Click hereto read the full article or to download a copy of the report.

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Seahorses and More at Bayshore's Seine the Bay

On a beautiful Saturday, June 4, members of the all-volunteer Bayshore Regional Watershed Council conducted the sixth annual late spring "Seine the Bay Day." The goal was to discover what fish, crabs and other aquatic creatures live along the edge of Raritan Bay and Sandy Hook Bay.

Surveys were conducted at four locations: Cliffwood Beach in Aberdeen Township, Conaskonck Point in Union Beach, near the mouth of Pews Creek in Port Monmouth, and near the mouth of Many Mind Creek in Atlantic Highlands.

As in years past, a 50-foot-long seine net, a horizontal nylon net with buoys on top and weights on the bottom, was dragged through shallow waters and pulled towards the shore. All aquatic creatures were identified, cataloged, and returned to the estuary.

By seining the shore, watershed members were able to show how local waters are an important nursery. Many of the critters found included young-of-year (YOY) fish - juvenile fish that have hatched out of eggs this past spring. Schools of young herring were found in abundance at Cliffwood Beach, Port Monmouth, and Atlantic Highlands. The herring hatched out of eggs in freshwater portions of the estuary several weeks ago, and are now swimming towards saltier waters with the start of warm weather.

The most unique discovery of the day, however, was hauling in an adult seahorse at Port Monmouth. Yes, they really do exist in Sandy Hook Bay. The Northern lined seahorse is our native species. They often can be found clinging to sea grasses, pilings, or other floating objects in shallow waters foraging for tiny shellfish. Sadly, due to the loss of many sea grass beds, seahorse populations are lower around Sandy Hook Bay than in decades past.

See the full article/blog and the results of the seining at http://www.nyharbornature.com/blog/-seahorses-and-more-at-seine-the-bay-day. *(Photo from that site.)* And learn more about the Bayshore Regional Watershed Council here.

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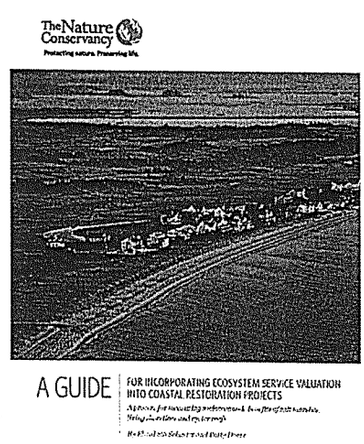
TNC Releases Guidebook on Ecosystem Service Valuation



The Nature Conservancy of New Jersey has released the new guidebook, *A guide for incorporating ecosystem service valuation into coastal restoration projects*. Subtitled, *A process for measuring socioeconomic benefits of salt marshes, living shorelines and oyster reefs*, the goal of the guidebook is to develop more studies specific to New Jersey demonstrating how coastal habitat provides tangible benefits to people. The guidebook is intended to provide a framework to practitioners, natural resource managers and coastal restoration managers in the Mid-Atlantic region so that they can incorporate ecosystem service valuation into restoration projects at the beginning, rather than the end of their project.

Click here to access the guide or copy/paste this url into your browser:
http://www.nature.org/media/oceansandcoasts/ecosystem-service-valuation-coastal-restoration.pdf

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Public Access is *Still* a Right

The New Jersey Supreme Court declined to hear an appeal by the New Jersey Department of Environmental Protection on its "Public Access Rules," which were struck down by the Superior Court of New Jersey Appellate Division, in a unanimous decision, on December 22, 2015.

"The NJ Supreme Court's order is a victory for public access to our coasts throughout New Jersey. Public access is a right, not a privilege," said Debbie Mans, Baykeeper & Executive Director, NY/NJ Baykeeper. "Under the invalidated Public Access Rules Governor Christie turned over our coast to corporations and private property owners. Giving public lands over to

businesses is a failure of the State's responsibilities to protect the waterfront as a public resource for all to enjoy. The New Jersey Legislature needs to step up and provide clear guidance that the coast belongs to the people."

"Earlier this year, the New Jersey Legislature gave the NJDEP the authority to require public access, both on-site and off-site, through permits, so NJDEP should have no excuses for not upholding the Public Trust Doctrine and ensuring the public has access to their waterfront," said Mans. "What is still missing is authority for NJDEP to require more comprehensive public access planning, which is why we are committed to working with the NJ Legislature to develop comprehensive public access legislation that treats all coasts and communities equally."

Attorneys for NY/NJ Baykeeper and Hackensack Riverkeeper appealed the 2012 NJDEP Public Access Rules, The Superior Court, Appellate Division heard oral arguments on the appeal on May 19, 2015 and issued their decisions on December 22, 2015.

The court held that: "Some limited provisions of the Rules could fall 'within the fair contemplation of the delegation of [an] enabling statute,' CAFRA... However, the Rules apply to many municipalities that are not subject to CAFRA, because that statute only applies to certain municipalities. Moreover, the Rules far exceed the Legislature's limited delegation of authority to DEP under CAFRA to regulate 'land uses in the coastal zone.' ... We also agree with the appellants that the Rules are not authorized by any other legislative enactment or by the Legislature's delegation of powers to DEP pursuant to the public trust doctrine. We are constrained, therefore, to invalidate the Rules."

CAFRA stands for the Coastal Area Facility Review Act, N.J.S.A. 13:19-1 et seq., which regulates land use in coastal zones. The northern boundary of CAFRA is the confluence of Cheesequake Creek with the Raritan Bay.

To read the full release: http://nynjbaykeeper.org/wp-content/uploads/2016/06/Public-Access-6.22.pdf

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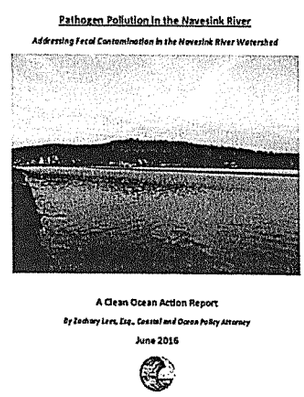
COA Releases Report on Pathogen Pollution in the Navesink

The Navesink River, flowing into Sandy Hook Bay after meeting with the Shrewsbury River, has one of the highest water quality designations in the State of New Jersey and supports direct harvest shellfishing, recreation, and many endangered and threatened species. But in February 2016, state officials downgraded the Navesink River to prohibit shellfish harvesting in over 560 acres of the river and the river is impaired for swimming and other direct contact - especially after rain events. Clean Ocean Action has been investigating water quality concerns in the Navesink and has prepared a report that assesses current conditions and trends, recommends a way forward, and calls for a Rally for the Navesink!



To access the report:
Thttp://www.cleanoceanaction.org/fileadmin/editor_group2/Beach_Sweeps/COA_Navesink_Report_FINAL__1_.pdf.

To learn more about Clean Ocean Action, click here.

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Green Infrastructure Guidance Manual

The Rutgers Cooperative Extension (RCE) Water Resources Program has been promoting the use of green infrastructure practices to retrofit existing development and provide for stormwater management. The manual provides diagrams, engineering details, lists of benefits, and examples of implemented green infrastructure. All information provided is based on experience with planning, designing, and implementing green infrastructure throughout New Jersey in combination with the research conducted on green infrastructure across the nation.

RUTGERS
New Jersey Agricultural Experiment Station

To view and/or download the Green Infrastructure Guidance Manual for New Jersey, please click

here.

This document has been prepared by the RCE Water Resources Program with funding provided by the Surdna Foundation, the National Fish and Wildlife Foundation, and the New Jersey Agricultural Experiment Station. This work is intended to provide guidance for the identification, design, and implementation of green infrastructure practices throughout New Jersey.

For more information, contact the Rutgers Cooperative Extension Water Resources Program.

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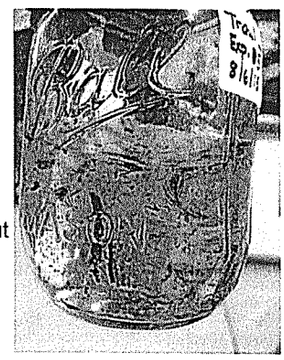
NY-NJ Harbor Estuary Plastic Collection Report



Based on estimates made by the NY/NJ Baykeeper, at least 165 million plastic particles are floating within NY-NJ Harbor Estuary waters at any given time. That's about 256,322 per square kilometer! Plastics in our waters harm habitat, fish, and other wildlife and may be traveling up to the human food chain.

NY/NJ Baykeeper has prepared a report, *NY-NJ Harbor Estuary Plastic Collection Report*, that examines plastic pollution within waters surrounding New York City. Click here to view the report and learn more about what's in our waterways. To learn more about the NY/NJ Baykeeper click here. *(Photo of "A water sample collected from Raritan Bay, NJ before lab processing" from p.10 of the report.)*

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Volunteers Opportunities – Will You Heed the Call?

Volunteers are needed for these programs around the Raritan basin. For details, see the calendar listings at the top of this newsletter or follow the below links to more information.

American Littoral Society needs volunteer Spill Spotters. Come to their popular workshops and get hands-on training needed to protect NJ's coastal wildlife and habitat in the event of an oil spill. Visit their website for contact information.

Central Jersey Stream Team needs volunteers for their July 24th clean-up. They usually have in-stream and dry-land volunteer activities. Visit our calendar or cjstreamteam.org for more information.

Clean Ocean Action offers several volunteer opportunities from beach sweeps, outreach, office work, advocacy, education, social media, fundraising and more. Check out their volunteer page to sign up.

D&R Greenway Land Trust needs Land Stewardship volunteers, help in their native plant nursery, and more! Go to http://www.drgreenway.org/opportunities.htm to learn about all their volunteer opportunities.

Duke Farms needs volunteers to help monitor and maintain areas that have already been cleaned up and restored, including work on the Japanese Garden, Old Foundation, and Orchid Range. Visit the Duke Farms Volunteer page for more information or fill out a volunteer application form at www.dukefarms.org/en/Volunteer/.

Hunterdon County Parks needs volunteers for a wide variety of their programs and events including their Music Under the Stars program, summer camps, and adopt-a-trail and nests monitoring programs. Visit http://www.co.hunterdon.nj.us/volunteers.htm for the most current listing and contacts for more information.

Lower Raritan Watershed Partnership has a variety of event-specific volunteer opportunities available throughout the year. Most volunteer events take place in spring and summer. Civic science volunteer opportunities include water quality monitoring and other environmental assessment activities, clean-ups, outreach, and more.

NJ Audubon needs help with marketing, direct mail, and public outreach; fundraising; education & research and property maintenance. Make new friends and learn more about birds while you help NJAS.

NJ Conservation Foundation is looking for a video editor as well as volunteers to assist Foundation staff on projects including field work, policy research and educational programs.

NJ Invasive Species Strike Team is looking for "detectors" to report emerging invasive species on your smart phone or tablet, "strikers" to work on local eradication projects, and "ambassadors" to help with public outreach at community events.

NY/NJ Baykeeper has posted volunteer opportunities related to oyster monitoring and volunteering at the Living Shoreline Project at Fresh Kills Park, Staten Island. Follow this link to a PDF of what to expect. To add your name to the Soundview oyster volunteer list, email Allison at Allison@nynjbaykeeper.org. They also need volunteers to help with tabling events.

Pequest Trout Hatchery needs volunteers to assist with fishing instruction, visitor services, trail maintenance, bird house maintenance, gardening, teaching programs and more! All volunteers are members of the NJ Wildlife Conservation Corps (WCC). Anyone 18 years of age and older is welcome to join the Division of Fish and Wildlife as a volunteer. If interested, complete and mail an application form, or e-mail questions to e-mail the program coordinator.

The Raritan Headwater's has ongoing need for stewardship volunteers to help with trail creation and maintenance, invasive plant removal, site surveying, photography and more. Contact Lauren Theis at (908) 234-1852 x 314 or via email at ltheis@raritanheadwaters.org.

Schiff Natural Lands Trust needs volunteers to help with publicity, photography, wildlife monitoring, with programs and events, and more. To inquire about volunteering, e-mail info@schiffnaturepreserve.org. Include your name, contact information, the type of volunteer work you want, and provide general information about your background and skills.

The Sourland Conservancy has posted a volunteer wish list that describe types of skills needed as well as specific events for which they need help. Most immediate is the Sourland Music Festival in July. Volunteers will see five great bands for FREE and will help to Save the Sourlands. Plus you get a free t-shirt! Visit www.sourland.org for general information, or go to https://form.jotform.com/60487058386163 to volunteer for the festival.

The Stony Brook-Millstone Watershed Association needs volunteers for all sorts of things from front desk reception, office assistance and English/Spanish translation to conservation and trail watch volunteers who will help monitor and maintain buildings and trails throughout the 930-acre reserve. Visit their website to read about the Watershed Association's other advocacy, science, education, and special event volunteer needs or contact Pam Newitt, Volunteer Coordinator at pnewitt@thewatershed.org or (609) 737-3735 x 51.

Does your organization need volunteers to work on projects in the Raritan basin? Let us know and we will post your needs here. Send requests to raritan@ejb.rutgers.edu.

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Job Postings in the Raritan Region

Green Jobs

American Littoral Society is looking for a Delaware Bayshore Program Director and they also have openings for two interns – a Marine Fish Tagging Program Intern, and a Coastal Education Intern. Go to their Jobs page for full descriptions and how to apply.

Duke Farms is looking for Environmental Technicians to help care for various habitats and environs of the Farm. Two positions are open, one seasonal and one full-time. Visit their website to review the job descriptions or to apply.

New Jersey Audubon has several open positions at various locations. They are looking for a Migration Count Coordinator as well as three Migration Counters for fall migration projects in Cape May, they need several Interpretive Naturalist Interns in Cape May, a Field Naturalist Intern on the Monarch Monitoring Project, a Stewardship Technician in Port Murray, a VP of Development and Communications in Bernardsville, and a Development Assistant in Bernardsville. You can learn more about these positions on the NJ Audubon website.

Raritan Headwaters is looking for a Development Coordinator (full-time) to lead a team to fund the RH's $1.7M annual operating budget plus various fundraising campaigns. RH is also looking for an Environmental Educator to teach a traveling stream ecology program called WaterWays. Job descriptions and application details are on the RH website at http://www.raritanheadwaters.org/about-us/employment/.

Stony Brook-Millstone Watershed Association is seeking a full-time Director of Science & Stewardship. All applicants must submit a

cover letter, resume/C.V., three professional references and salary requirements via e-mail to Kevin Walsh, Deputy Director kwalsh@thewatershed.org. SBMWA is also looking for a part-time STEM Education Specialist. Submit cover letter, resume and list of references to Maryann Polefka, Assistant Director of Education, mpolefka@thewatershed.org. Detailed job descriptions are on their website at http://thewatershed.org/about-us/employment/.

Waterfront Alliance is looking for a Planning and Policy Associate to serve as a program manager for the Waterfront Edge Design Guidelines (WEDG) program.

Want to find more listings? The Watershed Institute, a Program of the Stony Brook-Millstone Watershed Association has an Environmental Jobs Board. Check out the listings on their website at http://thewatershedinstitute.org/jobs/.

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What to do if you Catch a Tagged Fish

If you catch a fish with a yellow dorsal loop tag, the tag belongs to the American Littoral Society. They need the tag returned along with the recapture information. To make it easy for you to respond, you can download a tag return form. Complete the form, tape the tag to it and mail it to the address on the form. Download Form

When the Society receives your form, they enter the data into a database. In return, you and the person who originally tagged the fish will receive

- The history of your fish (where it was tagged, how much it has grown)
- An American Littoral Society fish tagger's jacket patch
- Information about the tagging program
- The knowledge that you have made a contribution to marine fisheries science
- If you are interested in becoming a tagger contact Jeff at 732-291-0055 or e-mail jeff@littoralsociety.org.

Become an American Littoral Society fish tagger. You can learn how fish grow and where they go. Plus you will contribute data needed to protect and preserve fish for your generation and generations to come. Fish tagging memberships include one year membership in the Society, and two tagging starter kits (10 tags, 10 data cards, 1 applicator needle in each) and all the instructions you need to start tagging fish. Once you get the hang of it, you'll be able to purchase multiple tag kits without needles for $6 each. Membership and tag kits are tax deductible.

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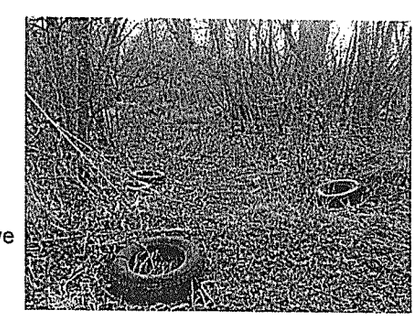
Report Dumping in the Raritan River



Stop dumping in the Raritan! Call the NJDEP Hotline at 877-WARN-DEP (877-9276-337) to report dumping.

After you report the illegal activity to the NJDEP, call your local watershed group and tell them about it as well. They can help follow-up on the problem. There are several wonderful organizations working in the Raritan who can help. Following is a list of which group covers what area. You can get more information about these organizations and the other Collaborative partners on our Website on the Collaborative tab.

- The Raritan Headwaters should be notified for activity in the North and South Branches or Upper Raritan River watershed that includes Spruce Run and Round Valley Reservoirs, and the Neshanic and Lamington Rivers
- The Stony Brook-Millstone Watershed Association will help with activity in the Millstone watershed that includes Carnegie Lake and the Stony Brook
- The Lawrence Brook Watershed Partnership will assist with any activity in the Lawrence Brook watershed, and
- The Lower Raritan Watershed Partnership should be notified for any activity in the Lower Raritan that includes the region from Piscataway to Sayreville
- The NY/NJ Baykeeper and the Raritan Riverkeeper should be notified for any activity in the Lower Raritan that includes the South River and Manalapan and Matchaponix Brooks as well as the Raritan Bay, Sandy Hook Bay, and Arthur Kill

Again, contact the NJDEP first and then call your local group. *(Photo credit: Woodfern Floodplain Clean-up by Central Jersey Stream Team)*

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Sustainable Raritan Newsletter and Facebook Page

Is your organization doing anything related to five key areas of the Sustainable Raritan River Action Plan? Do you have projects or events – past or future related to:

- Hazardous sites and sediment cleanup
- Water quality, stormwater and infrastructure
- Habitat Preservation and resource stewardship
- Greenways, recreation and public access to the Raritan and tributaries
- Balanced redevelopment and restoration

We'd be happy to post your information in our next newsletter. Send your articles or event notices for our Newsletter or Calendar via email to raritan@ejb.rutgers.edu.

You can also share your events with us by posting your photos and stories directly to our Facebook page at www.facebook.com/raritancollaborative.

The deadline for the August 2016 newsletter is July 21, 2016.

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PLEASE BOOKMARK OUR WEBSITE:

raritan.rutgers.edu

You can visit us on Facebook too!

Please email Sara Malone with any subscription changes
(email address change, unsubscribe, or new requests)

Check out our Google calendar and all details by clicking here!

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RUTGERS
Sustainable Raritan River Initiative

The Sustainable Raritan River Initiative is is a joint program of the Edward J. Bloustein School of Planning and Public Policy and the School of Environmental and Biological Sciences at Rutgers, the State University of New Jersey that partners with other Rutgers schools, centers and programs to ensure the best contributions from the sciences, planning and policy for a more sustainable Raritan River, basin and bay.

The Initiative works with the Sustainable Raritan River Collaborative, which is a network of over 130 organizations and agencies in the Raritan River region working together to promote the integration of sound planning and a vision for the Raritan Basin that balances social, economic and environmental objectives.

For more information, visit our Website and follow us on Facebook.

title image courtesy of Michael Catania

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You are receiving this email at the discretion of Sara Malone.

Saturday July 2, 2016
9:30am Cheesequake State Park Kayak Tours
Monday July 4, 2016
All day Independence Day
Wednesday July 6, 2016
5:30pm Explore Stony Brook at Greenway Meadows Park
Saturday July 9, 2016
8:00am Shore Paddle 2016 for Clean Ocean Action - Cancelled
10:00am Duke Farms Walking Tour
10:00am Mushroom Walk in the Sourlands
10:00am Raritan River Sojourn - Day 1
10:30am Great Stream Exploration: Kunkel Park
7:00pm Rally for the Navesink
8:00pm Duke Farms Firefly Festival
Sunday July 10, 2016
9:30am Cheesequake State Park Kayak Tours
Monday July 11, 2016
6:00pm Sunset Seining with American Littoral Society
Tuesday July 12, 2016
10:30am Family Fishing Basics at Pequest
Wednesday July 13, 2016
6:00pm Rain Gardens for Home Landscapes
Thursday July 14, 2016
6:00pm Perth Amboy - Rain Barrel Demo Workshop
7:30pm Bayshore Regional Watershed Council Meeting
Friday July 15, 2016
All day Deadline for Comments on EPA Managing Freshwater Resources in Climate Change Update
Saturday July 16, 2016
9:00am Duke Farms Seasonal Tree ID Walks
10:00am City of Water Day - Waterfront Alliance
10:00am Fly Fishing with Dry Flies at Pequest
10:00am Rain Barrel Workshop - SBMWA
10:30am Family Fishing Basics at Pequest
Sunday July 17, 2016
8:00am Duke Farms Migration and Science of Bird Banding
8:00am Middlesex County Household Hazardous Waste Drop-Off
3:30pm Shrewsbury River Eco Cruise w/NY/NJ Baykeeper
Tuesday July 19, 2016
9:30am LRWP General Meeting Featuring Raritan Riverkeeper
9:00pm Full Moon Owling Hike
Wednesday July 20, 2016
1:00pm Tour the Nation's First Fish Exchange
Thursday July 21, 2016
All day Deadline for Comments on EPA Urban Resilience to Climate Change Document
5:30pm Free Kayaking Thursdays - NY/NJ Baykeeper
Friday July 22, 2016
10:00am NJDEP - Flood Hazard Rules Public Hearing
Saturday July 23, 2016
8:15am South Branch Canoe Trip
9:30am Cheesequake State Park Kayak Tours
10:00am Raritan River Sojourn - Day 2
10:30am Great Stream Exploration: Bessie Grove Park
3:00pm Sourland Music Festival
Sunday July 24, 2016
9:00am Schiff Nature Center - Volunteer Work Day
Monday July 25, 2016
7:30pm Somerset Raritan Valley Sewerage Authority
7:30pm Stony Brook Regional Sewerage Authority Meeting
Wednesday July 27, 2016
10:30am Family Fishing Basics at Pequest
Friday July 29, 2016
6:00pm Sunset Paddle on Round Valley Reservoir
Saturday July 30, 2016
10:00am Raritan River Sojourn - Day 3
8:30pm Moth Mania - SBMWA
Sunday July 31, 2016
9:30am Cheesequake State Park Kayak Tours
Thursday August 4, 2016
5:30pm Free Kayaking Thursdays - NY/NJ Baykeeper
8:00pm Duke Farms - Moths of NJ
Saturday August 6, 2016
8:00am Duke Farms - Migration and Science of Bird Banding
9:30am Cheesequake State Park Kayak Tours
9:30am Green Brook Flood Control Commission Meeting
10:00am Raritan River Sojourn - Day 4
10:30am Family Fishing Basics at Pequest
Tuesday August 9, 2016
6:00pm Sunset Seining with American Littoral Society
Thursday August 11, 2016
7:30pm Bayshore Regional Watershed Council Meeting
Saturday August 13, 2016
10:00am Fly Fishing with Terrestrials and Wet Flies at Pequest
Tuesday August 16, 2016
All day Deadline for NOAA Coastal Ecosystem Resilience Grants
Saturday August 20, 2016
All day Save the Date - Central Jersey Stream Team Cleanup
7:00am Annual Fluke Tagging Trip with American Littoral Society
8:30am Raritan River Sojourn - Day 5
Monday August 22, 2016
7:30pm Somerset Raritan Valley Sewerage Authority
7:30pm Stony Brook Regional Sewerage Authority Meeting
Wednesday August 24, 2016
6:00pm Sunset Seining with American Littoral Society
7:00pm RMRFCC Meeting
Saturday August 27, 2016
9:00am Schiff Natural Land Trust Volunteer Work Day
9:00am Shore Birds and Wild Edibles

Sustainable Raritan River Initiative · c/o Rutgers' Edward J. Bloustein School of Planning and Public Policy · 33 Livingston Avenue · New Brunswick, NJ 08901 · USA

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