



Promoting Water Resources Sustainability from New Jersey to China

China's Ministry of Water Resources is committed to strengthening academic cooperation and technical exchanges with the world to jointly promote researches and practices on estuary and coastal water resources issues that are confronted globally. In an effort to build partnerships to strengthen cooperation, exchange experiences, share technology, and working together to promote sustainable water resources, the Chinese Ministry of Water Resources traveled to Rutgers University from November 11 - 13. Dr. Christopher C. Obropta had the opportunity to meet with 18 officials from China's Ministry of Water Resources to demonstrate how New Jersey and specifically the Rutgers Cooperative Extension Water Resources Program works to address water resources issues with sustainable and practical science-based solutions.



Assessing the Effectiveness of Subsurface Gravel

Wetlands in Toms River, NJ



The RCE Water Resources Program has partnered with the New Jersey Department of Environmental Protection to explore options for reducing pollution in the Barnegat Bay.

This study looks at how well subsurface gravel wetlands (SGWs) can reduce nitrogen in stormwater. These SGWs have the potential to be a strong tool in improving the health of the Barnegat Bay and the larger New Jersey area.



A SGW mimics a typical wetland that can be found throughout New Jersey's shores and low lying areas. The study included the placement of SGWs in existing detention basins to treat stormwater for contaminants while mitigating stormwater. These SGWs also have the added benefit of providing wildlife habitat.

By: Robert Brown, Intern

Rutgers Environmental Stewards Program
at the EARTH Center in Middlesex County

Do you want to learn more about the environment and help create positive change in your community? Anyone with an interest in the environment and a commitment to volunteer service can become a Rutgers Environmental Steward. No previous environmental training necessary. Rutgers Environmental Stewards are trained in:

- Soil health
- Climate change
- Habitat protection and restoration
- Stormwater management
- Energy conservation
- Geology
- Invasive species
- Municipal planning and ordinances
- Volunteer Monitoring
- Civic Science
- and much more...

The program includes 60 hours of training and a 60 hour internship. Classes meet at 42 River Ave. in South Brunswick on Wednesdays at 6:30 PM starting January 27, 2016 and run until June. For more information contact Rutgers Cooperative Extension of Middlesex County at (732) 398-5274 or bakacs@njces.rutgers.edu.

New in 2016, in partnership with the Lower Raritan Watershed Partnership (LRWP), participants will learn about watershed health focusing on the **Lower Raritan River Watershed** through field study and analysis. Visit envirostewards.rutgers.edu

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension is a part of the Rutgers New Jersey Agricultural Experiment Station. For more information on program priorities and enrollment.

Rutgers Environmental Stewards Program

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[Click here to register today!](#)

New Jersey Urban Water Conference

Join the [Urban Water Solutions Initiative](#), state and local decision-makers, practitioners, and community stakeholders

to raise awareness about drinking water, stormwater and wastewater infrastructure as a key to New Jersey's prosperity.

The conference will be held on December 10th from 8 to 12:30 p.m. at the New Jersey Institute of Technology in Newark, NJ.

[Register now for this free event!](#)

About the New Jersey Urban Water Conference

Check back soon for an agenda!

Transforming New Jersey's inadequate urban water infrastructure can deliver not just sustainable infrastructure but multiple community benefits, including healthier, safer neighborhoods, clean waterways, local green jobs, flood and climate resilience and, ultimately, economic growth.

The New Jersey Urban Water Conference will:



Build awareness of the importance of water infrastructure as key to New Jersey's prosperity



Educate on best practices and innovative solutions



Celebrate the Urban Water Solutions Initiative, its members and accomplishments

RCE Water Resources Program | New Brunswick, NJ 08901 | M-F 8:30 - 4:30pm

