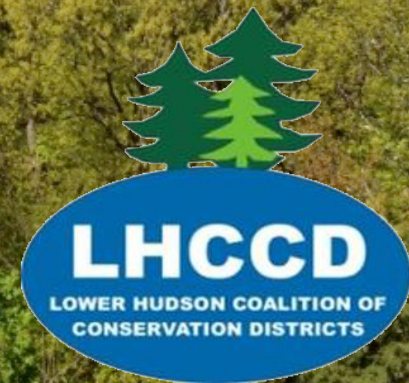


# Welcome!

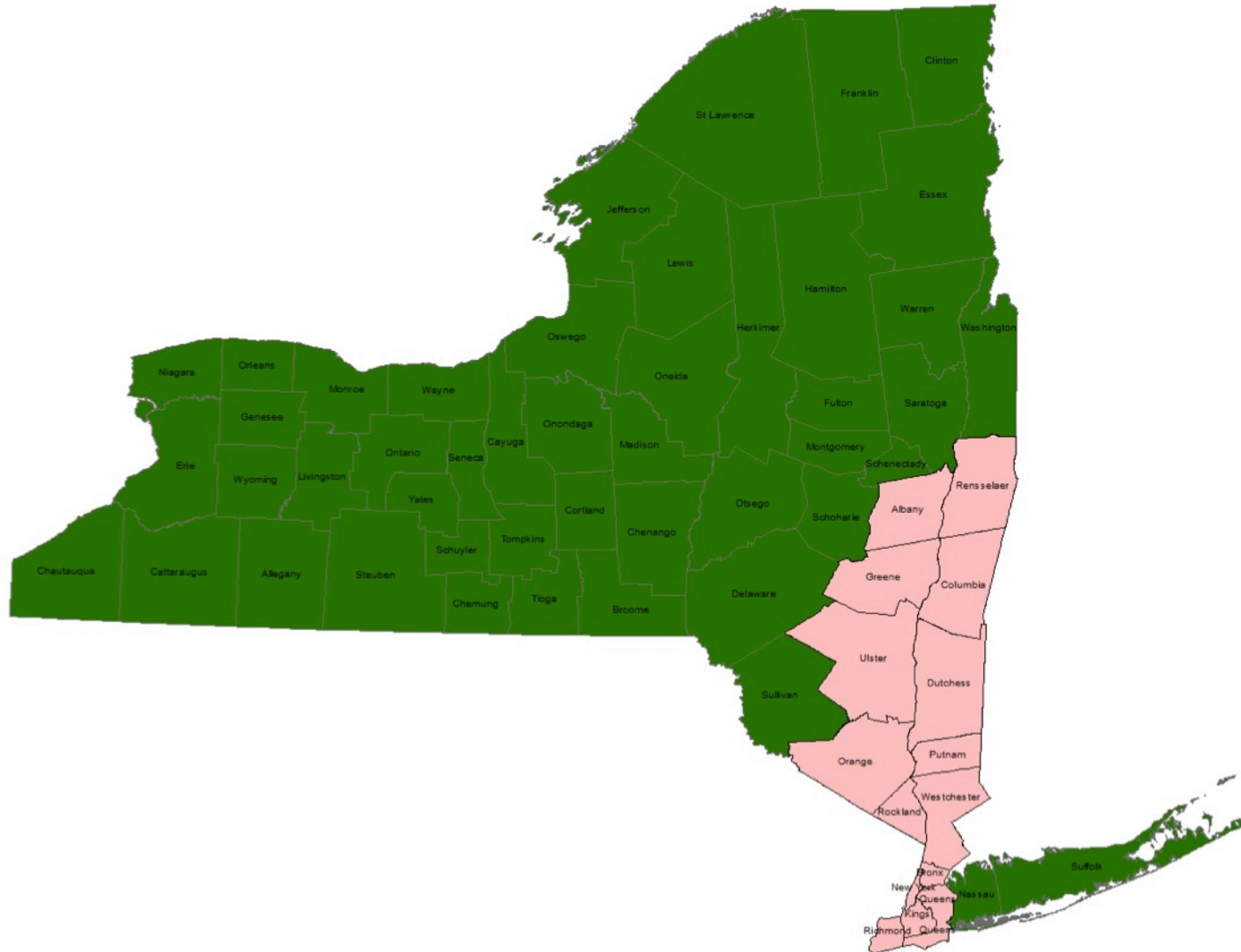
*from the*  
Lower Hudson Coalition of Conservation Districts

*Mike Jastremski – LHCCD Coordinator*

***15th Annual  
Southeast New York  
Stormwater Conference  
and Trade Show***



# LHCCD Service Area

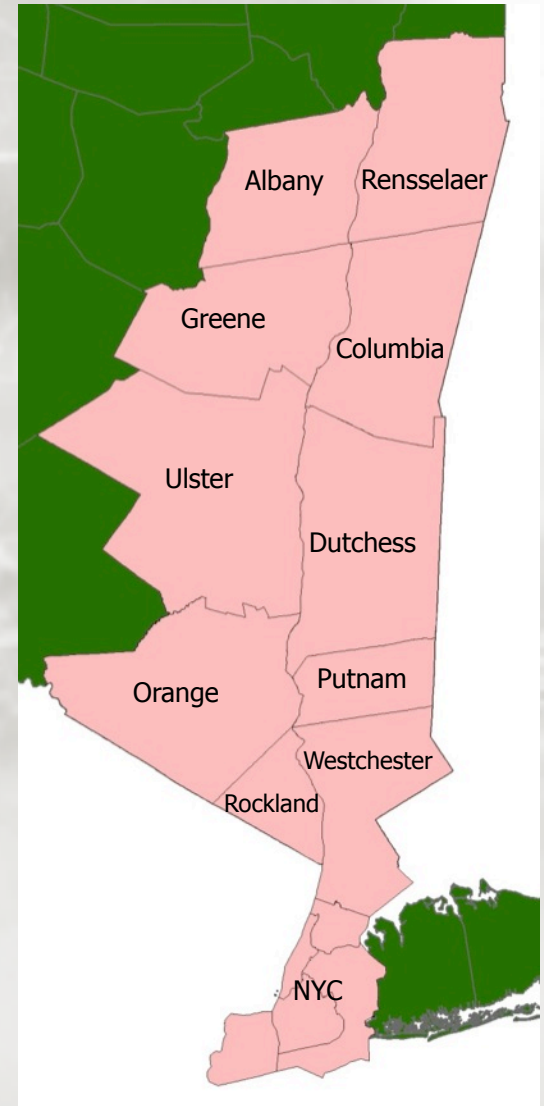




# LHCCD's Mission

... To serve as local leaders in a National-State-Local partnership to preserve, protect and enhance the natural resources - with a focus on water quality - of the Hudson River Estuary and its watershed.

- Regional cooperation and resource sharing between member Conservation Districts
- Build and maintain relationships with federal, state and regional partners
- Facilitate education and professional development



# Coalition Projects

... SENY Stormwater Conference

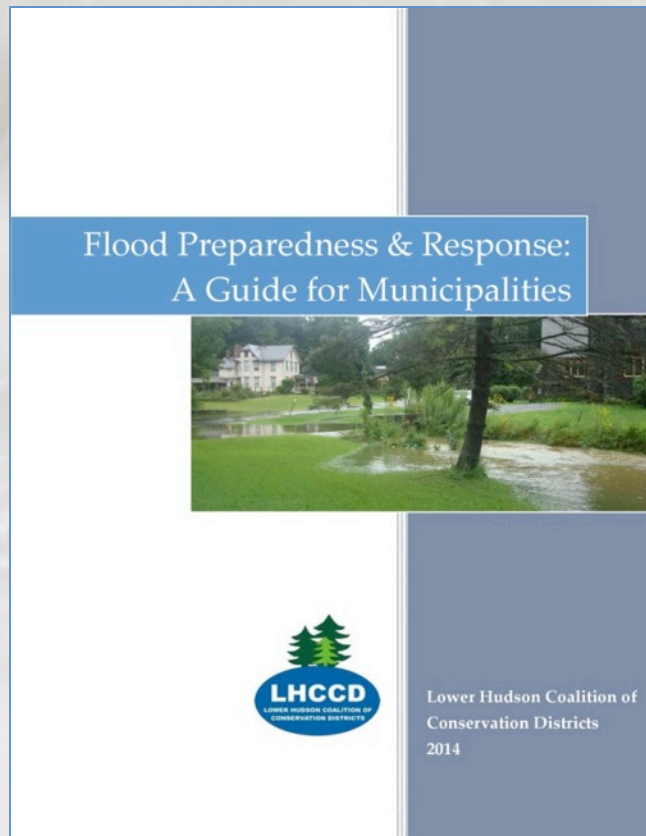


[www.lhccd.net](http://www.lhccd.net)



# Coalition Projects

... Resource manuals for municipalities



## Reviewing Stormwater Management in Site Design: A Guide for Planning Board Members



Version 2 - 2015

Lower Hudson Coalition of  
Conservation Districts

### ABOUT THIS GUIDE

Planning board members have an important role in making sure new development projects manage stormwater well to avoid creating flooding or pollution on the site or elsewhere in the community. This guide will:

- Help planning board members understand their authority and responsibilities in reviewing the stormwater management aspects of site plan and subdivision applications
- Provide a quick reference guide to the 2015 Stormwater Design Manual to allow planning board members to access the parts that most apply to their work
- Suggest strategies for more efficient and predictable stormwater design review
- List recommendations for reviewing a SWPPP




# Coalition Projects

Website and newsletter

[www.lhccd.net](http://www.lhccd.net)

Lower Hudson Coalition of Conservation Districts

Home | Member Districts | Upcoming Events | Green Infrastructure | Contact Us | About LHCCD




### RAIN GARDENS

Rain gardens are a popular green infrastructure practice, capturing runoff from roofs or small paved surfaces and allowing it to infiltrate into the ground.

Learn about a functional and attractive rain garden in Albany County:

Albany County SWCD Rain Garden



0:00 / 3:15

News from the LHCCD  
Summer 2013

## Currents



News from the  
Lower Hudson Coalition of Conservation Districts

Albany Columbia Dutchess Greene NYC Orange  
Putnam Rensselaer Rockland Ulster Westchester

### Streams that Weather Harsh Weather

As climate change brings more severe storms to the Lower Hudson region, communities are looking for ways to reduce the risk of future damage in stream corridors, as well as resources for addressing problems that arise. Many Soil and Water Conservation Districts have professional staff trained in designing and installing streambank improvements that will weather future storms. Below you will find some examples of resilient stream repair projects Districts have recently completed.



[www.facebook.com/lhccd](http://www.facebook.com/lhccd)



# LHCCD Member Districts

- Cover a large and diverse area
- Conservation to Ag to Urban landscapes
- Range of natural resource concerns
- Districts work to conserve natural resources across the region



# Conservation Lands

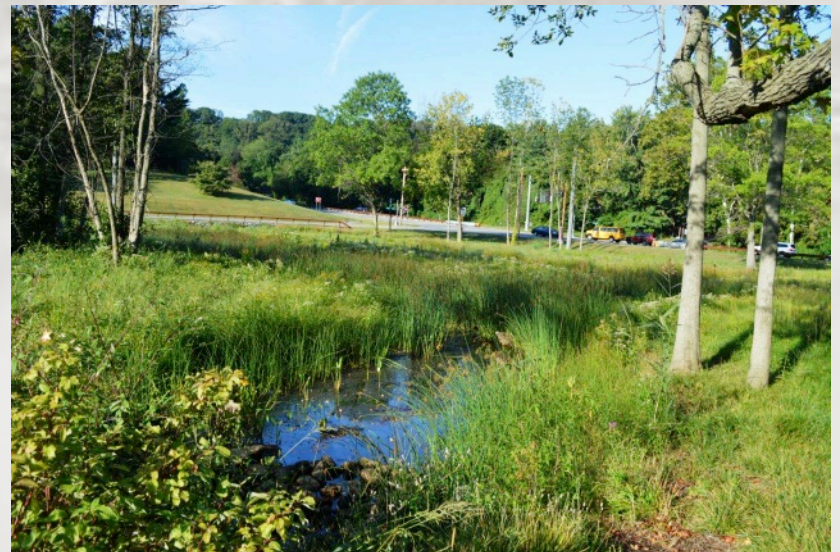
- Directly restoring habitat
- Reconnecting habitats
  - IDing/mitigating fish and wildlife barriers
  - Improving water quality
  - Replanting streamside vegetation





# Westchester SWCD: Bronx River Wetland Restoration

- 2.5 acre wetland in the Bronx River Parkway Reservation
- Separated from the river by elevated path
- Project removed invasive plants and planted natives, restored hydro connection to Bronx River
- Flood storage, pollution reduction benefits in addition to habitat value





# Dutchess/Rockland SWCDs: Culvert Assessments

- ID fish/wildlife barriers and flood risks
- Prioritize crossings for replacement based on potential to reconnect habitat and flood risk reduction
- Dutchess SWCD: 85 crossings assessed in 2015, over 200 total
- Rockland SWCD: 150 crossings assessed in 2015, over 200 total
- Made possible with funding from HREP, Cornell WRI and the NAACC





# Agricultural Lands

- Local delivery of state and federal programs
- Whole-farm planning and implementation
- Grazing plans
- Ag NPS pollution control projects



# Orange County SWCD: Walkill Manure Storage BMP

- Dairy farm- Town of Walkill
- Freestall barn with under-barn manure storage
- OCSWCD secured \$200,000 in NYS funding for the manure storage





# Urban Areas

## ➤ MS-4 Support

- Resource sharing
- SW infrastructure mapping
- Construction inspections
- Training/professional development

## ➤ Stormwater retrofit projects

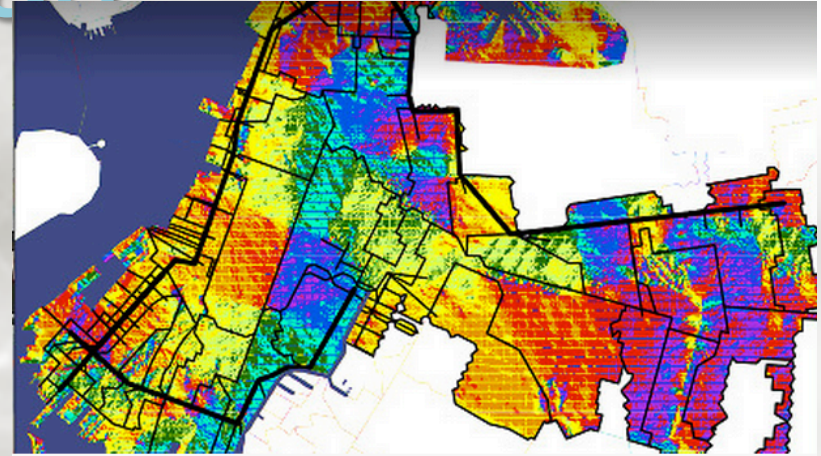


# NYC SWCD: Open Sewer

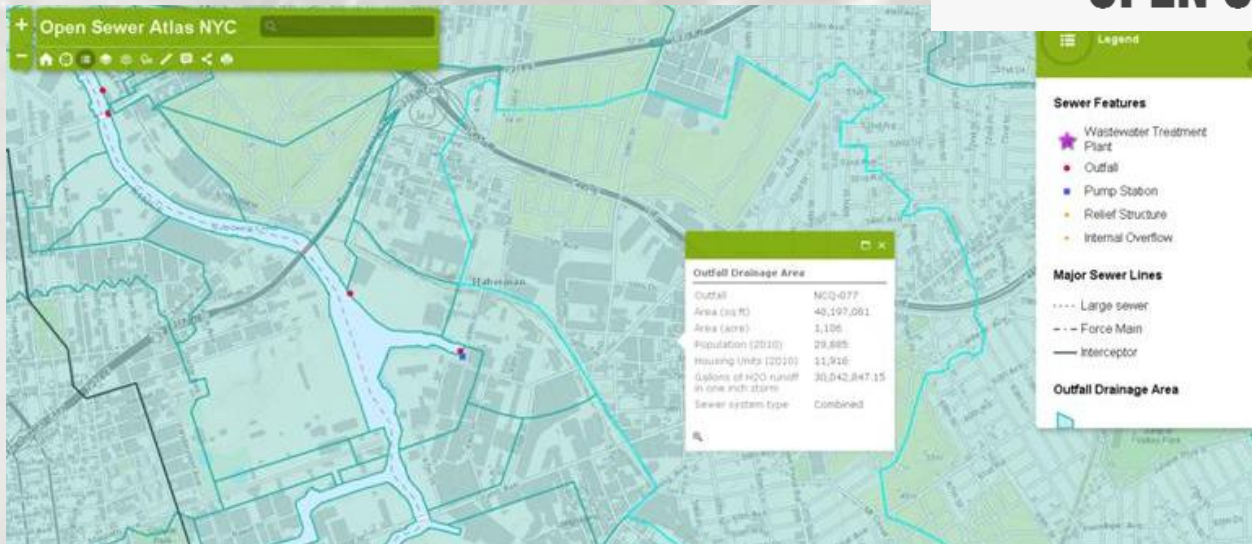
- Online interactive map of sewer infrastructure

## Atlas

- Help CSO communities visualize stormwater impacts
- Will inform development of CSO Long Term Control Plans



**OPEN SEWER ATLAS NYC**





# LHCCD Member Districts

## ➤ Environmental Education



# Housekeeping: CE

## SOUTHEAST NEW YORK STORMWATER CONFERENCE OCTOBER 14, 2015 DUTCHESS MANOR - BEACON, NY AGENDA

<b>8:00</b>	<b>Conference Check-In and Continental Breakfast</b>
<b>8:30</b>	<b>Welcome/Lower Hudson Coalition of Conservation Districts Update</b> Mike Jastrzemski, CFM - LHCCD Coordinator
<b>8:45</b>	<b>Using Urban Trees for Stormwater Management: The State of the Science<sup>^</sup></b> Peter MacDonagh, FASLA, PLA, ISA, LEED, RHS - Kestrel Design Group/University of Minnesota
<b>9:45</b>	<b>Breakout session I</b> <b>A<sup>^</sup>: Protecting Our Drinking Water Through Stream and Sewer Restoration</b> Baine Labate, PE - Hazen and Sawyer <b>B<sup>^</sup>: The Bard College Regional Green Infrastructure Demonstration Project</b> Barbara Z. Restano, RLA - Restano Design Landscape Architecture, PC
<b>10:45</b>	<b>Break</b>
<b>11:00</b>	<b>Breakout session II</b> <b>A<sup>^</sup>: Stormwater Management through Temporary Vacant Land Conversion</b> Bryan Quinn, RLA (CT, VT) - One Nature LLC <b>Ownership and Management of Vacant Lots Repurposed for Stormwater Capture in Syracuse, NY</b> Paul M. Harris and Hongbin Gao - Atlantic States Legal Foundation <b>B<sup>^</sup>: Planning and Designing for Green Infrastructure in the Public Right of Way</b> Terra Ishee - New York City Department of Transportation Rosanna Collars, ENV SP, LEED AP, BD+C - Arup <b>High Performance Modular Biofiltration Systems: A "2nd Generation" Solution for Stormwater Management</b> Scott Gorneau - Stormwater Solutions
<b>12:15</b>	<b>Lunch</b>
<b>12:45</b>	<b>Statewide Floodplain Management Training in New York</b> Cleighton D. Smith, PE, CFM - Bergmann Associates Bill Nechamen, CFM - New York State Department of Environmental Conservation
<b>1:00</b>	<b>Breakout session III</b> <b>A<sup>^</sup>: How's the Water? Riverkeeper's Water Quality Monitoring Results to Date</b> Dan Shapley - Riverkeeper <b>Realistically Managing Urban Sewershed Floatables and Emerging Microplastics Pollution</b> Joshua Kogan, PE - US EPA Region 2 <b>B<sup>^</sup>: Erosion &amp; Sediment Control on Construction Sites</b> Doug McCluskey - Everett J. Prescott
<b>2:15</b>	<b>Break</b>
<b>2:30</b>	<b>Stormwater Management and Natural Hazard Mitigation – Leveraging Complementary Programs<sup>^</sup></b> Jonathan Raser, CFM - Tetra Tech, Inc.
<b>3:30</b>	<b>Conference Ends</b>

<sup>^</sup> Approved for 1 PDH for PEs    + Approved for 1 LA CES PDH/HSW





