NEW YORK STATE FLOODPLAIN AND STORMWATER MANAGERS ASSOCIATION

2023 Annual Conference | DoubleTree by Hilton, Syracuse, NY | April 18 - 20, 2023

nyfloods.org

Social Event Main Sponsors

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

Bergmann has joined Colliers Engineering & Design

WAPRO®

Woodard & Curran

Baseball Game Sponsor

Jacobs®

Many Thanks to our

Level 2 – Silver Sponsors

Dewberry®

LaBella
Powered by partnership.

TETRA TECH

Level 1 - Bronze Sponsors

AECOM

RAMBOLL

SLR

STORMSENSOR®
A CLIMATE TECHNOLOGY COMPANY

Agenda Overview – Tuesday, April 18

Planned Room Assignments (Subject to Change)		*Event Room:*	*Event Room:*	*Event Room:*	*Event Room:*
Time	**Event**	**Lobby**	**Huron**	**Ontario**	**Michigan**
8:00 am – 9:00 am 9:00 am – 12:00 pm	**Morning Sessions**	Registration (begins at 8:00 am) Breakfast (8:00 – 9:00 am)	The NFIP: An Overview (Part 1) 9:00 am – 12:00 pm	SPDES General Permits for Stormwater Discharges from Construction Activity. MS4 General Permit Audits: Compliance Trends	Managing Runoff on Steep Slopes (9:00am–10:00 am) --- Land Use Strategies for Flood Resilience (10:00am – 12:00 pm)
12:00 pm – 1:30 pm	**Lunch**	Niagara/Seaway Event Room *(Lunch is included in your registration)*			
12:30pm – 5:00pm	**Syracuse Area Field Tour**	Join us for bus ride down Onondaga Creek! The tour will cover water quality, stormwater management and floodplain issues. The tour will start at the Tully Mudboils, stop at a flood control dam, through Syracuse neighborhoods along the creek, and finishing at an eagle nesting site on Onondaga Lake. Pick up your box lunch on your way to board the bus.			
1:30 pm – 4:30 pm	**Afternoon Sessions**	Registration	The NFIP: An Overview (Part 2)	Climate Scenario Planning for Sustainable Floodplains	1:30 – 3:30 Community Rating System (CRS) User Group 3:30 – 4:30: Exceeding Minimum Stds for CRS Eligibility
5:00 pm – 10:00 pm Jacobs	**Baseball Game Social – Event Sponsored by Jacobs** **TICKETED SEPARATELY** Join your fellow NYSFSMA baseball fans for a night at the ballpark. A chartered bus will pick you up at 5:30 and take you to the NBT Bank Stadium, where you'll watch the Syracuse Mets battle the Durham Bulls from a private suite. Food will be provided; you will need to bring money to buy your drinks. If you're not ballin' – it's dinner on your own.				

Agenda Overview – Wednesday, April 19

Time	Event / Location	Topic
8:00 am – 9:00 am	**Lobby**	· Registration
8:00 am – 9:00 am	**Grand Ballroom Foyer**	***Have a continental breakfast with your conference sponsors in the Grand Ballroom foyer!***
9:00 am – 9:15 am	**Grand Ballroom** *Plenary Selections 1*	· Welcome and Opening Remarks
9:15 am – 9:45 am		· A Flood Resilient Future: Developing the Data to Support the Federal Flood Risk Management Standard FFRMS
9:45 am – 10:15 am		· We're All In This Together: Understanding and Adapting to Climate Change
10:15 am – 10:30 am	**BREAK**	· ***Refreshments will be available in the foyer of the Grand Ballroom***
10:30am – 11:00 am	**Grand Ballroom** *Plenary Selections 2*	· Record Rainfall in NYC: The Impacts of Post-Tropical Cyclone Ida
11:00 am – 11:30 am		· Upstate New York Flood Mitigation Task Force

11:30 am – 12:00 pm		• Department of Environmental Conservation Flood Mitigation Initiatives and the 2022 Environmental Bond Act
12:00 pm -1:00 pm 1:00 pm – 1:30 pm	**Lunch and Membership Meeting**	**Crossroads Ballroom**
1:30 pm – 2:00 pm	**Sponsorship Time**	***Please visit your conference sponsors in the Grand Ballroom foyer!***

Time	Huron	Ontario	Michigan	Superior/Erie
	Mitigation Solutions, Part 1	*Modeling and Mapping*	*Engineering and Mapping*	*Natural Floodplain Management*
2:00 pm – 3:30 pm	Home Elevation, Floodproofing, and Acquisition in Suffolk County: Fire Island Inlet to Montauk Point, NY Project	Rapidly Modeling and Predicting Future Flood Risk	The Canal Corporation's Earthen Embankment Integrity Program Viewed from a Dam Engineering and Public Safety Perspective	Parks & Recreation Facilities as a Floodplain Management Tool
	Resilient NY Flood Mitigation Initiative: Buffalo Creek	Wave Overtopping within 1D/2D Modeling to Improve Mapping and Inform Mitigation	FEMA Procedures for Mapping Ice Jam Flood Risk Applied to the Schenectady Stockade	Steps toward conserving natural processes in the Great Lakes coastal zone
	Sunrise Highway Stormwater Wetland Basin	2D Base Level Engineering to Support Risk MAP Discovery in the Southern Tier	USACE – Emergency Response Authorities and Technical Services	
3:30 pm – 4:00 pm	***BREAK – Refreshments will be located in the foyer of the Grand Ballroom***			
Time	**Huron**	**Ontario**	**Michigan**	**Superior/Erie**
	Mitigation Solutions, Part 2	*Urban Flooding*	*Lake Ontario*	*Water Quality*
4:00 pm – 5:00 pm	"Troublesome Brook" Pre-NFIP Flood Hazard Designations. ZONE X Flood Mitigation Challenges and Innovative Solutions	New York-New Jersey Harbor and Tributaries Study: Coastal Resilience in the New York Metro Area	Increasing Community Flood Resilience on Lake Ontario through Land Use Ordinance Review	Autonomous Flow Control – Protecting our downstream neighbors
	Sherman Brook Watershed Flood Mitigation Study	Flood Prevention for High-Intensity Storm Events in Urban Developments	Nature-based methods for coastal resilience - two examples from Lake Ontario	Study of Future Funding Mechanisms for Chautauqua Lake
Evening Activities				
6:00 pm – 9:00 pm	**EXHIBITOR HOUR** ***and*** **Evening Social**	***Take time to visit and chat with your conference sponsors in the Grand Ballroom foyer!*** Join your colleagues for an evening social event sponsored by our exhibitors. Food and refreshments, including adult beverages, will be provided. Drink tickets are covered in your registration fees.		

Agenda Overview – Thursday, April 20

Time	Event / Location	Topic		
8:00 am – 9:00 am	**Crossroads Ballroom** ***Breakfast***	***Have a continental breakfast with your co-attendees then visit your conference sponsors in the foyer of the Grand Ballroom!***		
9:00 am – 9:30 am	**Grand Ballroom** *Plenary Selections 3*	· Community Visioning: Creating a Safer Future Together		
9:30 am – 10:00 am		· Understanding the interactions between flooding adaptation/equity/community well-being in rural NY		
10:00 am – 10:30 am		· It Takes More Than a Village: A Roadmap for Under-Resourced Communities Seeking Climate Adaptation		
10:30 am – 10:45 am	**BREAK**	· ***Refreshments will be available in the foyer of the Grand Ballroom***		
10:45 am – 11:15 am	**Grand Ballroom** *Plenary Selections 4*	· CRRA and Future Riverine Flood Risk– Approaches for Implementation		
11:15 am – 11:45 am		· Floodplain Management within the West of the Hudson NYC Watershed		
11:45 am – 12:15 pm		· Our Right to Know: Disclosing Flood Risk to Buyers and Renters		
12:15 pm – 1:30 pm	**Lunch**	**Crossroads Ballroom**		
	Huron	**Ontario**	**Michigan**	**Superior/Erie**
	Workshop	*Workshop*	*Workshop*	*Outreach and Public Engagement*
1:30 pm – 3:00 pm	Disaster Preparedness for the Building Code / Floodplain Official (Part 1)	NFIP Risk Rating 2.0: A New Approach to Flood Insurance Rating (Part 1)	NFIP Compliance and Mitigation in NY State (Part 1)	Developing Relevant Outreach Materials to Address Coastal Flood Risk MyCoast NY: A Statewide Tool for Engaging Communities and Documenting Flood Events Submerse NY: Creative Approaches to Flood Risk Communication and Outreach through Public Art
3:00 pm – 3:15 pm	***BREAK – Refreshments will be located in the foyer of the Grand Ballroom***			
	Huron	**Ontario**	**Michigan**	**Superior/Erie**
	Workshop	*Workshop*	*Workshop*	*Preparedness*
3:15 pm – 4:45 pm	Disaster Preparedness for the Building Code / Floodplain Official (Part 2)	NFIP Risk Rating 2.0: A New Approach to Flood Insurance Rating (Part 2)	NFIP Compliance and Mitigation in NY State (Part 2)	Developing a Substantial Damage Response Plan (SDRP) Neighborhood Stabilization Projects in Suffolk County, NY Useful Floodplain Management Training Resources from NYS and Around the Country

nyfloods.org

NYSFSMA 2023 Annual Conference
Continuing Education Information

Certified Floodplain Managers (CFM) Credits

Maximum CFM Credits for the full conference is 12.

NYSFSMA will send registration and attendance sheets to the Association for State Floodplain Managers (ASFPM) and they will provide appropriate credits.

No sign in sheets for plenary sessions. Make sure you sign into any workshops you attend.

Breakdown of CRS Credit Hours:

- Tuesday AM 3
- Tuesday PM 3
- Wednesday AM 2.5
- Wednesday PM 2.5
- Thursday AM 3
- Thursday PM 3

Code and Engineering Credits: Workshops

Not all workshops are eligible for engineering credit and/or code enforcement credits. Our instructors have worked with NYSFSMA to make sure that workshops that qualify for credits are submitted. Thanks to Bergmann Associates and Kenneth Avery for reviewing workshop materials for engineering credit. Please sign in on appropriate sheets at workshops.

Workshop	Length	When	Insrtructor(s)	Engineering Credit	Code Credit
The NFIP - An Overview	6 Hrs	Tues Full Day	Brad Wenskoski	Yes	Yes
SPDES General Permits for Stormwater & MS4 Compliance Trends	3 Hrs	Tues AM	Julie Melancon, DEC	No	No
Managing Runoff of Steep Slopes	1 Hr	Tues AM	Janet Thigpen	Pending	No
Land Use Strategies for Flood Resilience	2 Hrs	Tues AM	John Caterino	Pending	No
Climate Scenario Planning for Sustainable Floodplains	3 Hrs	Tues PM	Mary Austerman, Megan Kocher, Jamie Breschard	Pending	No
Community Rating System (CRS) User Group	2 Hrs	Tues PM	Janet Thigpen and John Caterino	No	No
Exceeding Minimum Standards for CRS Eligibility (Climate Resilience and CRS Credits for Disadvantaged and Environmental Justice Communities)	1 Hr	Tues PM	Tiphanie Ketch and Kenneth Avery	No	No
Disaster Preparedness for Building Code / Floodplain Officials	3 Hrs	Thur PM	Colleen Flynn	Yes	Yes
NFIP Risk Rating 2.0	3 Hrs	Thur PM	Bill Nechamen	No	No
NFIP Compliance and Mitigation in NY State	3 Hrs	Thur PM	Brienna Wirley and Mary Binder	Pending	Yes

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Tues 4/18	***All Day***		***Lobby***	***Registration / Continental Bkfst in Grand Ballroom Foyer***	**NYSFSMA**	
Tues 4/18	9:00 am - 12:00 pm	Workshop	Huron	The NFIP: An Overview (Part 1)	Brad Wenskoski, NYS DEC	This all-day workshop covers the basic tenets of the National Flood Insurance Program (NFIP) and the minimum requirements to successfully implement a community floodplain management program. Participants will learn the fundamentals of local responsibilities for managing flood risks and loss through proper permitting and planning. Topics covered include: NFIP Basics, Maps & Studies, the Floodplain Manager's Role, and NFIP Compliance. This workshop is targeted at new floodplain managers with less than two years of experience and is not a replacement for studying for the CFM exam.
Tues 4/18	9:00 am - 12:00 pm	Workshop	Ontario	SPDES General Permits for Stormwater Discharges from Construction Activity; and MS4 General Permit Audits: Compliance Trends	Julie Melancon, NYS DEC	MS4 General Permit Audits: Compliance Trends - This presentation gives you a regulator's perspective. Learn what inspectors are looking for, understand compliance trends and avoid common pitfalls. SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001) and Other Program Updates - This presentation is an in-depth look at the Construction General Permit. Understand how the permit came to be, what the major requirements are, and where we are headed.
Tues 4/18	9:00 am - 10:00 AM	Workshop	Michigan	Water Runs Downhill: Managing Runoff on Steep Slopes	Janet Thigpen, CFM, Southern Tier Central Regional Planning & Development Board	Runoff rushing down steep slopes can contribute to flash flooding, washouts, landslides, and water quality impairment. However, these problems can be mitigated with good land use practices. This presentation will address: (1) Why are steep slopes important? (2) Good practices for managing slopes, (3) New York State regulations and standards that apply to steep slopes, and (4) Land use opportunities and tools for local governments. The objective is to manage activities on steep slopes in a way that minimizes the risks of flash flooding and erosion in order to prevent (or at least reduce) damage on-site and to other properties.
Tues 4/18	10:00 AM - 12:00 PM	Workshop	Michigan	Land Use Strategies for Flood Resilience	John Caterino, CFM, Town of Greece & Brent Gotsch, CFM, NYC Dept of Environmental Protection	Current programs regulating how to develop in mapped floodplains are not preventing increased flood damages across NYS. Municipal comprehensive plans and land use regulations provide opportunities for protecting lives and property by managing the amount and kinds of uses in flood-prone areas. Attendees will learn: • Why current floodplain management standards in Local Laws for Flood Damage Prevention and in the NYS Residential and Building Codes are not sufficient for preventing increasing flood damages. • Municipalities can use their land use authorities to enhance local flood risk management programs by reducing development in high-risk areas, protecting beneficial natural features, and promoting open space and recreational uses in flood-prone areas. • The comprehensive planning process can integrate flood hazards into data collection, public involvement, goals/objectives, and policy formation. • Flood risks can be addressed in land use regulations, including zoning, site plan review, subdivision standards, road/driveway standards, etc. • Municipalities have a duty to protect health, safety, and welfare and may face potential legal and programmatic liability for allowing development that increases flood risks.
Tues 4/18	12:00 pm - 1:30 pm		Niagara/Seaway	Lunch		
Tues 4/18	12:30 pm - 5:00 pm	Bus Tour	Lobby	Bus Tour of Syracuse	Russell Houck, Facilities Engineer, City of Syracuse	The bus tour will focus on Onondaga Creek and its interrelated issues of water quality, floodplain management and stormwater/wastewater management. Onondaga Creek drains a large part of the southern half of Onondaga County, runs through the Onondaga Nation and bisects the City of Syracuse before reaching Onondaga Lake.
Tues 4/18	1:30 pm - 4:30 pm	Workshop	Huron	The NFIP: An Overview (Part 2)	Brad Wenskoski, NYS DEC	

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Tues 4/18	1:30 pm - 4:30 pm	Workshop	Ontario	Climate Scenario Planning for Sustainable Floodplains	Mary Austerman and Megan Kocher, NY Sea Grant, Jamie Breschard, Barton & Loguidice	Mary Austerman is the Great Lakes Coastal Community Development Specialist and Great Lakes Regional Lead for New York Sea Grant/Cornell University. Her primary expertise is in community resilience, with two principal focus areas: 1) climate adaptation and 2) floodplain management. Additional expertise includes watercraft inspection, local government training, process facilitation, and collaborative network building. Megan is the Great Lakes Outreach Coordinator with New York Sea Grant where she coordinates the NY's Great Lakes Basin Small Grants Program, develops outreach materials, and conducts educational programming for a variety of stakeholders within NY's Great Lakes region.
Tues 4/18	1:30 pm - 3:30 pm	Discussion Session	Michigan	Community Rating System (CRS) User Group	Janet Thigpen, CFM, CRS Users Group Co-Chair & John Caterino, AICP, CFM, CRS Users Group Co-Chair	The statewide CRS Users Group providses communities and stakeholders in the CRS program, and those interested in joining the CRS, an opporutnity to discuss issues concerning implementation of this program in New York State communities. All are welcome to join the disussion.
Tues 4/18	3:00 PM		Grand Ballroom Foyer	PM Break at Discretion of Instructors		
Tues 4/18	3:30 pm - 4:30 pm	Discussion Session	Michigan	Climate Resilient Floodplain Management	Tiphanie Ketch, PE, CFM, Bergmann & Kenneth Avery, PE, CFM, D. WRE, Bergmann	The purpose of the project is to develop resources for disadvantaged and Environmental Justice communities to meet or exceed FEMA minimum standards for CRS eligibility, with a focus on green infrastructure and existing NYS programs like Climate Smart Communities. The panel discussion is a means for Bergmann to solicit feedback on what resources are needed most by disadvantaged and Environmental Justice communities. At the same time, getting feedback on lessons learned from communities already in the CRS will help chart a path forward for DAC and EJ communities.
Tues 4/18	4:30 pm - 5:00 pm	Vendors		Break	On Your Own	
Tues 4/18	5:00 pm - 10:00 pm	Off Site	Lobby/Off-site	Syracuse Mets Baseball Game/Social	NYSFSMA	**THIS IS A SEPARATE, TICKETED EVENT LIMITED TO 30 ATTENDEES.** ***Play Ball!*** Join your fellow NYSFSMA baseball fans for a night at the ballpark. A chartered bus will pick you up at 5:30 and take you to the NBT Bank Stadium, where you'll watch the Syracuse Mets battle the Durham Bulls from a private suite (holds 30 people). Food will be provided; you will need to bring money to buy your drinks.
Wed 4/19	***All Day***		***Lobby***	***Registration***	***NYSFSMA***	
Wed 4/19	8:00 am - 9:00 am	Vendors	Grand Ballroom Foyer - Exhibitors' Area	Continental Breakfast	NYSFSMA	**Visit our exhibitors in the Grand Ballroom Foyer!**
Wed 4/19	9:00 am - 9:15 am	Plenary	Grand Ballroom	Welcome	NYSFSMA	
Wed 4/19	9:15 am - 9:45 am	Plenary	Grand Ballroom	A Flood Resilient Future: Developing the Data to Support the Federal Flood Risk Management Standard (FFRMS)	Tolga Yilmaz. Michael Baker Andrew Martin, FEMA	Understanding the near and long-term projections of the extent of rising sea levels and flooding due to increases in the frequency and severity of extreme precipitation events is critical to making those decisions in an informed way. The Federal Flood Risk Management Standard (FFRMS) - established under Executive Order 13690 - gives flexibility and requires agencies to select one of the three approaches for establishing the flood elevation (how high) and corresponding flood hazard area (how wide) used for project siting, design and construction: the Climate Informed Science Approach (CISA), the Freeboard Value Approach (FVA) or the 500-year floodplain. These approaches will be discussed in detail. The presentation will also briefly address the current FFRMS policies in place for FEMA's Public Assistance (PA) and Hazard Mitigation Assistance (HMA) programs, how FEMA has developed sample FFRMS datasets, and highlight some of the technical processes, challenges and lessons learned. Presentation will highlight all the partners involved across the federal landscape and how the FFRMS data will be shared for better

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Wed 4/19	9:45 am - 10:15 am	Plenary		We're All in This Together	Paul Hoole, FEMA Region II	Climate Change is here. We are seeing the impact every day in oppressive heat waves, massive wildfires, and weather events growing in intensity and frequency. As we plan for ways to adapt, we must also adapt new ways of planning. We are in this together and we need to work together to meet this challenge. There are numerous efforts underway aimed at understanding and adapting to climate change. They are being done at all levels of government, by non-profits organizations, and academic institutions. Opportunities exist for sharing data, methodologies, learning from peers, and tapping into expertise. FEMA Region II has completed an informal and high-level scan of the potential for partnering beyond FEMA hazard mitigation planning. In this session they will share their results and speak to the need for systematically reaching out to the public, potential partners, and other stakeholders.
Wed 4/19	10:15 am - 10:30 am	Vendors	Grand Ballroom Foyer - Exhibitors' Area	Break	NYSFSMA	**Visit our exhibitors in the Grand Ballroom Foyer!**
Wed 4/19	10:30 am - 11:00 am	Plenary	Grand Ballroom	RECORD RAINFALL IN NYC: The Impacts of Post-Tropical Cyclone Ida	Jason Phillips, NYC OEM	In the summer of 2021, New York City experienced three extreme precipitation events with Tropical Storm Elsa, Tropical Storm Henri, which was a 100-year record breaking event for Central Park, and Post Tropical Cyclone (PTC) Ida, which was a 1,000-year storm in some parts of the City. The record-breaking rate of rain surpassed the capacity of stormwater infrastructure, contributing to widespread inland flooding. Tragically, 13 New Yorkers died during the flash floods. Reports of flood damage spanned all boroughs and all community districts, amounting to an estimated $781 million in repair and recovery costs to date. As climate change brings higher sea level rise, greater coastal storm activity, and extreme rainfall frequency, PTC Ida provides an example of New York City's changing risk landscape from inland flooding, and gaps with inland flood risk awareness and the impacts of major rainfall events. To begin addressing these gaps, NYC Emergency Management created a citywide, building-level tool that combined and standardized damage indicator data from city & federal agencies, utility providers, flood insurance providers, and weather station data into one cohesive dataset that has been used to conduct in-depth analysis of impacts and damages of this record-breaking storm. This presentation will explore the discovered trends and implications of stormwater flooding impacts from PTC Ida through the development of the building-level tool and its various use cases for planning, mitigation, and response for future stormwater flooding events, including an overview of the data tool and challenges faced, a look at residential reporting behavior following the storm and the implications they pose for government's ability to collect and respond to similar reports in future events. It will also explore the economic disparity between different areas of the city regarding their financial resilience and ability to recover after severe flooding events, as well as the implications of flash flooding events to particularly vulnerable populations like those living in subgrade dwellings.
Wed 4/19	11:00 am - 11:30 am		Grand Ballroom	Upstate New York Flood Mitigation Task Force	Rebecca Hughes, Executive Deputy Director, Canals for NY Power Authority and Ken Kemp, Resilience Director, NY Power Authority	Originally created by the New York State Legislature in 2017 and amended in 2022 under Article XIII-B, Section 139-c (1) of the Canal Law, the Upstate Flood Mitigation Task Force will identify and recommend reasonable measures that can be taken to enhance flood management and mitigation along the Erie Canal and designates Canal Corporation Director Brian U. Stratton as chair of the task force. The task force will explore the cost or impact of flooding along the Erie Canal over the last five years to agriculture, transportation, infrastructure, land use, public health, insurance, tourism, recreation, and power generation. In addition, the task force will assess the Canal system operation, procedures and plans that may impact flood mitigation and management and identify adaptive measures, with costs, that could be executed to mitigate flood damages. The task force will prepare a report by July 1, 2023, to publicly site its findings.
Wed 4/19	11:30 am - 12:00 pm	Plenary	Grand Ballroom	DEC Flood Mitigation Initiatives	James Tierney, Dep. Commissioner for Water Resources	This keynote presentation will present a review of NYS DEC flood mitigation initiatives, including information about the 2022 NYS Environmental Bond Act.
Wed 4/19	12:00 pm - 1:30 pm	Lunch and Meet your Board!	Crossroads Ballroom	Lunch	NYSFSMA	
Wed 4/19	1:30 pm - 2:00 pm	Vendors	Grand Ballroom Foyer - Exhibitors' Area	Break	NYSFSMA	**Visit our exhibitors in the Grand Ballroom Foyer!**

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Wed 4/19	2:00 pm - 2:30 pm	Breakout	Huron	Home Elevation, Floodproofing, and Acquisition in Suffolk County: Fire Island Inlet to Montauk Point, NY Project	Danielle Tommaso, CFM, USACE	The Fire Island Inlet to Montauk Point, NY (FIMP) coastal storm risk management project is a join partnership between the U.S. Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC). The project includes nonstructural flood mitigation measures, including approximately 4,400 proposed structure elevations, floodproofings, and acquisitions in communities along Suffolk County's south shore. Join Danielle Tommaso, Senior Planner with the USACE New York District, to learn about the FIMP project and future plans for this upcoming work.
Wed 4/19	2:00 pm - 2:30 pm	Breakout	Ontario	Rapidly Modeling and Predicting Future Flood Risk	Curtis Smith, Stantec	Traditional H&H modeling at small scale is at odds with the current needs for regional flood analyses and real-time results. Stantec's Flood Manager cloud-computing service was created to perform simulations rapidly, reducing the schedule from weeks to hours. Taking it even further, our newest product, Flood Predictor, is a method of developing flood hazard estimates in real time using a combination of engineering principles and machine learning. Flood Predictor can deliver inundation results for previously unstudied areas in just a few minutes with a high correlation to a traditional model. By attending, participants get an overview of the latest technics in cloud computing and meta-modeling with a focus toward how these products can speed up analysis while retaining the detail and science of traditional H&H studies.
Wed 4/19	2:00 pm - 2:30 pm	Breakout	Michigan	The Canal Corporation's Earthen Embankment Integrity Program Viewed from a Dam Engineering and Public Safety Perspective	Kenneth Avery, PE, CFM, Bergmann PC James Candiloro, PE, New York Power Authority	Within its 524-mile NYS Canal System, the New York State Canal Corporation (NYSCC) owns and maintains 130 miles of earthen embankments, or approximately 12% of the canal system"s shoreline, the remainder being either riverine or depressed canal sections. The Earthen Embankment Integrity Program (EEIP) is a comprehensive embankment maintenance program to restore, maintain and manage the integrity of these 130 miles of earthen embankments in a manner that will significantly reduce the risk exposure of adjacent communities. The EEIP requires thorough, regular, and systematic inspections of canal and feeder embankments, followed by prioritization and implementation of maintenance. Implementation will include the specific maintenance actions to address damaged linings, inadequate drainage, installing instrumentation, repairing surfacing, protecting embankment slopes, correcting embankment geometry deficiencies, removing inappropriate vegetation, filling animal burrows, and repairing seeps. The EEIP activities are documented in the "Embankment Inspection & Maintenance Guide Book," which includes procedures to be applied in site-specific situations where the proposed EEIP activities may result in significant social, economic, and environmental impacts. These procedures involve working with local stakeholders to develop solutions/mitigation to the potential impacts. Through the Earthen Embankment Integrity Program, the NYSCC seeks to create a comprehensive embankment maintenance program to restore, maintain and manage the integrity of these 130 miles of earthen embankments, while engaging with communities where the NYS Canal System has particular, community recognized values and preserving the long term integrity of this resource for canal enthusiasts.
Wed 4/19	2:00 pm - 2:30 pm	Breakout	Superior/Erie	Parks & Recreation Facilities as a Floodplain Management Tool	Tom Shay, Woodard & Curran	Parks and recreation facilities are some of the most prized community assets, offering residents access to the outdoors, creating connections between people, and supporting community wellness. Because many are in floodplains, they also offer great potential to support floodplain and stormwater management goals, potential that often goes untapped. When properly designed in alignment with floodplain management goals, parks and recreational facilities can become an essential piece of a community's flood mitigation strategy. Taking advantage of this potential involves planning studies focused on parks, then coordinated with stormwater management and flood mitigation work. Stormwater modeling should look closely at parks within the floodplain. Master planning at the community level should evaluate opens space as possible locations for new infrastructure. This can create win-win-win scenarios, helping achieve stormwater management and other infrastructure objectives while improving facilities for residents. This presentation will explore the ways in which parks can support stormwater and floodplain management goals in different communities. Through case studies where parks were redesigned or redeveloped to provide floodplain storage and house stormwater management infrastructure, it will offer specific approaches that have improved community flood mitigation. It will also look at missed opportunities where park improvement projects did not consider infrastructure opportunities and how to avoid these mistakes. Finally, it will offer strategies to navigate planning, permitting, design, and implementation challenges that may arise as communities work to align park and floodplain management efforts.

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Wed 4/19	2:30 pm - 3:00 pm	Breakout	Huron	Resilient NY Flood Mitigation Initiative: Buffalo Creek	Shaun B. Gannon PE, D.WRE, CFM, PH, Ramboll Kadir Goz, Ramboll	The Lexington Green Neighborhood, located along Buffalo Creek, has a history of severe flooding events and has been undergoing flood prevention initiatives since 1946. In 2018, Buffalo Creek was selected as a study area for the governor's Resilient, NY Initiative. The final report 'Resilient NY Flood Mitigation Initiative: Buffalo Creek' (2020) identified three high risk areas for flooding including the Lexington Green Neighborhood. The study also developed, evaluated, and recommended effective and ecologically sustainable flood and ice-jam hazard mitigation projects. One of the recommended projects was the construction of a flood bench along Buffalo Creek which would increase creek storage during periods of high flow. In 2022, Buffalo Niagara Waterkeeper (BNW) received funding from the National Coastal Resilience Fund to verify opportunities for reconnecting Buffalo Creek to its floodplain through construction of a flood bench and development of preliminary design. Ramboll was retained by BNW to identify areas suitable for reconnecting Buffalo Creek to its floodplain via a desktop analysis. The Project Team then conducted public outreach and engagement activities to gain community and stakeholder approval for the identified areas. Once approved by the stakeholders, preliminary design of the flood bench was completed through data collection and hydraulic modeling. This presentation will highlight flood prevention activities occurring from 2018 to present, including a brief history of flooding in the area, an overview of the projects identified as part of NYS Governor's Resilient NY Initiative, discussion on public outreach activities and a summary of the preliminary flood bench design. By attending this presentation, participants will obtain lessons learned from the community engagement process and the technical steps for completing hydraulic modeling and desktop
Wed 4/19	2:30 pm - 3:00 pm	Breakout	Ontario	Wave Overtopping within 1D/2D Modeling to Improve Mapping and Inform Mitigation	Kevin Trainor, Woodard & Curran Joseph Kirby, Woodward & Curran	Coastal communities are faced with a host of challenges, including extreme precipitation, storm surge, and sea level rise, all of which lead to persistent problems with flooding. Furthermore, the development patterns of the past have filled salt marshes or cut off their connection to the sea. While it is common to assess surge and wave conditions on the seaward side of coastal infrastructure, like a seawall, and then assess precipitation impacts on the landward side of that infrastructure, the city of Quincy, Massachusetts is taking a more comprehensive approach. The City is working in coordination with the Army Corps of Engineers to quantify storm surges and wave overtopping impacts over the course of an extreme event, tailoring mitigation measures more closely to the risk. This approach allows the community to identify opportunities for building resilience in concert with restoring the ecological function of the area's salt marsh. This presentation will focus on the mapping and engineering techniques used to identify flood risk and the combination of InfoWorks ICM 1D/2D modeling with an overtopping boundary condition based on the EuroTop approach for incorporating dynamic wave overtopping flows over the course of the storm event. Presenters will share how the analysis of this area has helped inform projects to reduce incidence of flooding while balancing the goal of re-establishing hydraulic connection of marsh waters to the sea, a critical function for preserving and restoring habitat for native flora and fauna. Attendees will gain insight into how the modeling, data analysis, and projects can be applied in their own coastal communities to improve overall resilience.
Wed 4/19	2:30 pm - 3:00 pm	Breakout	Michigan	FEMA Procedures for Mapping Ice Jam Flood Risk Applied to the Schenectady Stockade	James Woidt, PE, Streamworks Joseph Rocks,USACE Cold Regions Research and Engineering	Half of the 19 instances of street flooding and property damage in Schenectady's Stockade historic district the past century were caused by ice jams that are not accounted for in FEMA's Flood Insurance Rate Maps. This presentation will review FEMA ice jam modeling procedures and how they were applied to estimate ice jam flood risk to develop a more accurate estimate of the "true" one percent annual chance flood in the Schenectady Stockade and the resultant impact on the feasibility of alternatives to mitigate flood risk to 79 historic structures.
Wed 4/19	2:30 pm - 3:00 pm	Breakout	Superior/Erie	Steps toward conserving natural processes in the Great Lakes coastal zone	David Klein, The Nature Conservancy Stevie Adams, The Nature Conservancy	This project employs the sediment budget viewer recently developed by the US Army Corps of Engineers to identify areas along the southern shore of Lake Ontario where formative coastal processes - the activation and movement of coarse sediments (sand and gravel) - are still intact and contributing to the maintenance of a dynamic shoreline. In particular, we focus on the bluffs of the southeast shore which, by eroding, are performing the significant ecosystem service of providing sediment to the longshore current for deposition on the beaches and baymouth barrier bars that shelter the coastal wetlands of this reach of the Lake Ontario shore. Previous research describes the intimate relationship between specific bluffs and baymouth barrier bars that shelter important coastal wetlands. Intact barrier bars also shelter private properties on the shoreline of embayments from the risks of erosion and flooding. When the longshore current is starved of sediment, these bars need to be reconstructed at great expense and reduced ecological value. This presentation will describe initiation of an analysis to identify key sources of coarse sediment on the southeastern shore.

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Wed 4/19	3:00 pm - 3:30 pm	Breakout	Huron	Sunrise Highway Stormwater Wetland Basin	Bryan VanderGheynst, PE, CFM, NV5 New York Muhammad Khan, PE, NV5 New York	The Town of Babylon's Sunrise Highway Stormwater Wetland Basin project was part of a multi-component project to address flooding and promote sustainability of the Carlls River watershed (Long Island's 4th largest river system) under the Governor's Office of Storm Recovery (GOSR) program. The project includes the construction of a 1.5-acre wetland/pond system that collects runoff by diverting stormwater from an existing 48-inch storm sewer (that previously discharged directly into the Carlls River) into a newly constructed wetland/pond located on a Town-owned, vacant parcel of land. The 48-inch storm sewer collects runoff from 21.3 acres of paved roadway and shoulder areas of Sunrise Highway (NY27) and its service roads before discharging at its existing outfall. The challenging site conditions and unique location adjacent to the environmentally-sensitive Carlls River tributaries yielded multiple constraints including a high water table, over 17,000 tons of unsuitable (C&D) soil removal, NYSDEC permitting regulations, and size limitations restricting the available layback lengths needed to achieve reasonable side slopes. NV5 optimized the depth/slope combinations and introduced retaining walls on the site to maximize storage volume as much as possible. A high-capacity, manufactured pretreatment unit was also installed downstream of the diversion structure and prior to the wetland forebay to provide additional water quality treatment and to reduce maintenance requirements of the wetland/pond. Project components included new drainage structures, custom diverter and spillway structures, hydrodynamic stormwater treatment system, roadway and sidewalk restoration, gabion retaining walls, extensive construction staging and dewatering, wetland plantings (emergent and submergent), trees and shrubs, forebay areas, guiderail and fencing. Permitting included NYSDEC Freshwater wetlands, USACE Section 404, NYSDEC General Construction
Wed 4/19	3:00 pm - 3:30 pm	Breakout	Ontario	2D Base Level Engineering to Support Risk MAP Discovery in the Southern Tier	Stu Geiger, Dewberry	FEMA's current flood insurance studies for Chemung and Steuben Counties are now nearly 40 years old. For floodplain management programs to be successful, it is important that maps and data are updated regularly to reflect current watershed conditions. This presentation will review the development of base level engineering (BLE) for these counties using the 2-dimensional hydraulic modeling capabilities of HEC-RAS. Some of the unique aspects of 2d modeling will be discussed, including how the final products can be used by communities to support floodplain management ahead of future map updates. We will also discuss how this information will be used to drive upcoming Risk MAP Discovery activities in the Southern Tier.
Wed 4/19	3:00 pm - 3:30 pm	Breakout	Michigan	USACE – Emergency Response Authorities and Technical Services	Laura Ortiz, USACE	During an emergency especially related to flooding the Corps of Engineers has an emergency response authority which can either provide technical assistance immediately prior or during an event. Capabilities under PL 84-99 will be outlined, and the steps needed to request assistance will be identified. In addition, an in-depth over-view of technical service authorities to include Planning Assistance to States and Flood Plain Management Services will be discussed. The intent of this presentation is to outline the authorities under the flood risk management cycle related to response, recovery, mitigation, and preparation. With a greater understanding of these authorities, Flood Plain Managers and Emergency Managers will have a greater understanding of Corps of Engineers authorities in order to assist in reducing the impacts related to high water events or flooding. Information on the Corps Interagency Proposal Program will also be discussed. Finally, information on the Silver Jackets program will be highlighted. The Corps of Engineers has developed an inventory on dams and levees and information on accessing these websites will provided. Five Corps of Engineers districts are represented in New York and this presentation will provide contacts in each of the Corps of Engineers Districts
Wed 4/19	3:30 pm - 4:00 pm	Vendors	Grand Ballroom Foyer - Exhibitors' Area	Break	NYSFSMA	**Visit our exhibitors in the Grand Ballroom Foyer!**

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Wed 4/19	4:00 pm - 4:30 pm	Breakout	Huron	"Troublesome Brook" Pre-NFIP Flood Hazard Designations. ZONE X Flood Mitigation Challenges and Innovative Solutions	Joseph C. Kirby P.E., CFM, Woodard & Curran Richard C. Fon, Town of Greenburgh, NY	Zone X flood mitigation presents a unique challenge and requires detailed analyses and creative solutions to be successful. Zone X flood risks have historically been less understood, less studied, and often remain unresolved. During the past few years, the Town of Greenburgh, New York has been working to mitigate flooding on some of its more complex streams with complicated flooding issues. The Town has over 14 miles of streams mapped riverine special flood hazard areas and approximately 90 percent are mapped with floodway. The two areas of focus are Troublesome Brook, an appropriately named watershed with only minimal shaded-X mapping, and Manhattan Park Brook watershed with no mapping on the primary flooding sources. Regardless of FEMA mapping, these watersheds received millions of dollars of flood damage in the fall of 2021 when the remnants of Hurricane IDA came through. The Town has implemented a robust system of stream maintenance to maximize infrastructure performance, but these activities do not address the underlying problems of capacity, system deterioration, and climate change. This presentation will focus on the work Woodard & Curran has done to support Greenburgh's efforts to mitigate flooding throughout the Town by looking at the areas where the risk has not been identified (Zone X, unshaded). These areas have both consolidated and unconsolidated flooding, which is typically slower moving, less deep, and in urban areas often impacts many residential structures. The diversity of flooding requires a comprehensive analysis, often basin-wide, to evaluate the movement of water through the natural and built environment. Multiple models, including a coupled 1D/2D H&H model, are used to evaluate existing systems and proposed improvements for their impact on flooding. Understanding that no solution will entirely eliminate flooding, the goal becomes to reduce the frequency, depth, and/or duration of flooding and identify improvements (large or small) that can have a cumulative positive impact in the community. This presentation shares the Town and Woodard & Curran's experiences working to characterize and mitigate these types of flooding, some of the challenges and successes experienced, and a range of lessons learned that can help all communities better adapt to flood risks outside the traditional floodplain.
Wed 4/19	4:00 pm - 4:30 pm	Breakout	Ontario	New York-New Jersey Harbor and Tributaries Study: Coastal Resilience in the New York Metro Area	Danielle Tommaso, CFM, USACE Bryce Wisemiller, USACE, New York District	Hurricanes and other coastal storms continue to significantly impact the New York City metropolitan area. The ongoing New York-New Jersey Harbor and Tributaries coastal storm risk management feasibility study aims to investigate strategies to manage the risk of coastal storm damage, while supporting the long-term resilience of the region's communities, economy, and environment. The study team recently recommended a $52 billion proposed project that could meet these aims. Join Danielle Tommaso, Senior Planner with the U.S. Army Corps of Engineers (USACE) New York District, to learn about this important study, which is one of the largest USACE has undertaken. The study is a joint partnership of the USACE New York District, New York State Department of Environmental Conservation (NYSDEC), New York State Department of State (NYSDOS), New York City Mayor's Office of Climate and Environmental Justice (MOCEJ), and New Jersey Department of Environmental Protection (NJDEP).
Wed 4/19	4:00 pm - 4:30 pm	Breakout	Michigan	Increasing Community Flood Resilience on Lake Ontario through Land Use Ordinance Review	Rewa Phansalkar, NY State Water Resources Institute, Cornell University Andrew Epps, NYS Water Resources Institute, Cornell University Kristen Hychka, NYS Water Resources Institute, Cornell University	Flooding in New York State is widespread, frequent, and costly. In the last five years, coastal communities along Lake Ontario experienced two record-setting flooding events costing millions of dollars in damage. Implementing land use regulations to restrict risky development and reduce flood damage is an effective method to increase community flood resilience. However, many municipalities lack adequate capacity, resources, or political will to adopt the necessary ordinances. Focusing on three communities in Monroe County, this project compares existing land use ordinances with national and state recommendations to increase flood resilience. This information was integrated into a review framework to analyze and compare how land use ordinances in these communities are addressing flooding and identify gaps for improvement or regulations that increase community risk. Preliminary findings indicate that local ordinances have varying degrees of flood protection and are inconsistent in their primary objectives. Greater regional and state collaboration on land use planning could increase the flood resilience for all communities along Lake Ontario.

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Wed 4/19	4:00 pm - 4:30 pm	Breakout	Superior/Erie	Autonomous Flow Control – Protecting our downstream neighbors	Gabe Lederman, Wapro Inc	As our landscape changes because of both natural and manmade occurrences, we are now seeing flooding in areas that at one time were able to adequately manage stormwater runoff. Expansion of infrastructure including roads, treatment plants, pump stations, and warehouses, among other things, has had major consequences on our waterways and wetland environments. Recently we are hearing more about the harmful effects of eutrophication of water bodies with algal blooms, altering the quality of native plant and animal species, as well as the closing of lakes/streams for recreational purposes because of poor water quality. The wetland areas in many landscapes has drastically decreased, lakes have been lowered or drained, and many waterways have been deepened, straightened, or piped through or over. This has caused a reduction on the ability for water bodies to self-treat through natural filtration which directly effects that wetland-dependent plant and animal species. This presentation will highlight several key projects that have been implemented throughout Scandinavia to aide in the restoration of wetlands, reintroduce native species, and control downstream runoff as to not overload existing infrastructure. It will discuss the implantation of flow regulation solutions that can aide in mitigating the devastating effects of uncontrolled stormwater runoff, improve environmental conditions for local flora and fauna, as well as promote greener agriculture, biodiversity, more passive recreation, and a better quality of life.
Wed 4/19	4:30 pm - 5:00 pm	Breakout	Huron	Sherman Brook Watershed Flood Mitigation Study	Kador Goz, Ramboll Alyssa Flint, Shaun Gannon, Ramboll Americas Engineering Solutions, Inc.	In cooperation with Oneida County Planning, the Town of Kirkland, NY obtained funding from the Oneida County Executive through their “Flood Mitigation Grant Program” for a watershed flood mitigation study along Sherman Brook. Sherman Brook runs through the Village of Clinton, NY and has been the source of devastating damages from floods to residential homes, local businesses, agricultural fields, parks, and roads. The primary causes of flooding in the Town are increased development in the floodplain, lack of floodplain storage, and undersized manmade structures. Flooding has been exacerbated in recent years due to climate change and the increased magnitude and intensity of precipitation events. These issues and concerns are being addressed in collaboration with the Oriskany Creek Watershed Commission, in which the Town of Kirkland is a founding member. The Project Team was tasked with addressing re-occurring flooding, improving flood resiliency, and developing preliminary designs for both structural and nature-based flood mitigation solutions within the Town. Due to a lack of previous studies, historical reports, and data sources, there is little publicly available data on the Brook. The team relied on stakeholders, community members, and local municipality leaders to collect vital watershed data. Highland Planning, LLC, a leading public engagement and outreach firm, was added to the Project Team to engage with stakeholders, community members, and local leaders through public and one-on-one meetings. These meetings allowed the Project Team to collect data, identify flooding issues, and discuss potential mitigation strategies with stakeholders and community members. Using the latest available LiDAR elevation, land cover, and field survey data, the Project Team developed a 1-D HEC-RAS existing conditions model and a series of proposed flood mitigation alternative models to test the effectiveness of each alternative. Model simulation results were compared to the existing conditions model results and recommendations were made based on three factors: the scale of the flood mitigation benefits, support of local stakeholders and community members for the project, and potential logistical complications of advancing the proposed project. Future climate change forecasts were incorporated into the study to improve the future resiliency of the Town. In addition, a sediment management plan was developed for the Town to address sediment erosion and aggradation areas along

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Wed 4/19	4:30 pm - 5:00 pm	Breakout	Ontario	Flood Prevention for High-Intensity Storm Events in Urban Developments	Kelly Harris, Dewberry	The New York City Housing Authority (NYCHA) Sheepshead Bay and Nostrand Houses (SBNH) are 2 adjacent NYCHA developments located in Brooklyn that collectively cover 48 acres with 34 residential buildings, and together serve as the primary housing for approximately 4,633 low to middle income residents. Due to their close proximity to Jamaica Bay and recent rainfall events as witnessed during Tropical Storm Ida and Henri, the SBNH are vulnerable to extreme flooding from increased rainfall intensity storm events. This study assessed flood vulnerability from high intensity rainfall events such as those seen from Tropical Storm Ida while considering a back-up power facility that would cater to the NYCHA residents and surrounding community during a power outage, which can happen during any natural hazard event. Dewberry developed an H&H model to simulate flood vulnerability under various rainfall scenarios. The H&H model provided surface flood volumes under these scenarios along with spatial distribution in and around the SBNH developments. Using these surface flood volumes, Dewberry and NYCHA coordinated to develop an innovative concept design solution that includes use of nine (9) on-site Stormwater Management Strategies. These strategies include stormwater system units placed underground in existing open spaces such as basketball courts and open green spaces, along with bioretention features, and a modified storm conveyance system to convey flood water into these below ground stormwater systems. The above ground features are comprised of nature-based amenities along with programming features to activate the open spaces for NYCHA residents and surrounding communities. Additionally, a concept design of a backup power system, including installation of solar photovoltaics to provide power to the community center was developed. The proposed concept design provides 2.1 MG of stormwater storage volume capacity through construction of 9 sub-surface stormwater management features that would allow rainfall runoff to infiltrate and and/or detain during a rainfall event. The model flooding results comparison shows that implementation of these stormwater management features will completely eliminate flooding of buildings within the SBNH development and eliminate flooding for 31 buildings in the surrounding area. This reduction in flooding will improve the quality of life within this neighborhood and create a community more resilient to the impacts of
Wed 4/19	4:30 pm - 5:00 pm	Breakout	Michigan	Nature-based methods for coastal resilience - two examples from Lake Ontario	Thomas Hart, Hart Envinronmental Science and Planning	Great Lakes coastlines have been shaped by dynamic coastal processes. Increasingly, however, attempts to control these processes have relied on hardening of the shore to fix shorelines in place and control erosion. These engineered approaches starve coastal currents of the coarse sediments - sand and gravel – that supply the coastal beaches sheltering private property from the full force of the lakes and also provide natural habitat and much-desired recreational amenities. This presentation will describe two recent projects that nourished existing beaches and barrier bars with naturally occurring sand, rather than building engineered structures. In the first case, at North Sandy Pond in Oswego County, we worked with the Town of Sandy Creek to use material dredged from the channel connecting Sandy Pond to Lake Ontario and from a shoal in the pond to replenish a severely eroded barrier bar that sheltered North Pond from the lake. Over 70,000 cubic yards of sand were moved to the barrier bar to recreate a dune and rebuild the beach. This successful project has attracted piping plovers – a federally listed rare species – to return after a 40-year absence to nest on the restored beach. The second project, at Sodus Point in Wayne County, has brought 8,000 cubic yards of beach-quality sand from an inland quarry to replenish an eroded beach that shelters significant property in the Village of Sodus Point. This presentation will give a detailed description of these projects, which have used natural materials and existing shoreline processes to achieve coastal resilience.
Wed 4/19	4:30 pm - 5:00 pm	Breakout	Superior/Erie	Study of Future Funding Mechanisms for Chautauqua Lake	Jayme Breschard, Barton and Loguidice	Chautauqua Lake is extremely important to the region's economy and culture. Significant efforts have been made to address the lake's impairments stemming from nutrient and sediment loads that have led to excessive macrophyte growth and reoccurring algal blooms. Local governments and organizations have collaborated on numerous studies and plans that have led to projects that combat lake impairments. Based on historical spending, a minimal annual budget in excess of $3 million is estimated to maintain current in-lake and watershed initiatives. It is acknowledged that additional revenue, beyond the current allocations, will need to be generated to support future lake and watershed improvement projects. While local cost share and available grant funds will continue to play a role, a dedicated sustainable funding stream may be needed to continue improvement initiatives within the lake and its watershed. This presentation will discuss the funding mechanisms and district type options available to fund the Lake District given the variables in the watershed and the stakeholder engagement process.
Wed 4/19	6:00 pm - 9:00 pm	Social	Grand Ballroom Foyer - Exhibitors' Area	Thanks to our Social Event main sponsors: Bergmann, WAPRO and Woodard & Curran. Join us for food, drink, and conversation. And be sure to thank the Social Event		**Join us for fun!**
Thurs 4/20	**8:00 am - 9:00 am**	**Vendors**	**Grand Ballroom Foyer**	**Registration and Continental Breakfast**	**NYSFSMA**	**Visit our exhibitors in the Grand Ballroom Foyer!**

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Thurs 4/20	9:00 am - 9:30 am	Plenary	Grand Ballroom	Community Visioning: Creating a Safer Future Together	Shameika Hanson, The Nature Conservancy	The Conservancy's New York Climate Adaptation Team is working to change how people think about the role of nature in the context of a climate changing world, striving for a future that makes way for water, rather than trying to control it. Without a paradigm shift in water management and flood response, the impacts of future flood events are expected to increase, which will only enhance the disproportional vulnerability of at-risk communities, habitats, and species. To support communities in this important transition, the Conservancy has been seeking to find innovative solutions to make room for water that acknowledge changing social and environmental conditions, the importance of place, and the needs of local economies. Through a non-traditional request for proposal (RFP) process, the Climate Adaptation team moved to provide NY communities what they need to create a vision for vacant lands in New York communities where managed retreat–the relocation of people and infrastructure from coasts or floodplains–has occurred. This process would act as the first phase in implementing on-the-ground solutions and build capacity and community resilience. The emphasis of the award was on relationship-building and providing a forum for a wide variety of voices in the community to generate a vision of how the land could be repurposed. As a large organization working across the state, it was imperative we ensure the process was flexible enough to ensure under resourced entities could not only easily apply but implement this grant. This session will focus on the non-traditional RFP process that we created and used to solicit proposals, how we transformed our typical work style to build partnership in community, and what has come of the projects to date. Learn about ways that your organization or staff can work with community members to begin thinking about what vacant flood prone land can look like post buy-outs, creating the foundation of a community plan to prioritize and seek funding for future adaptation projects.
Thurs 4/20	9:30 am - 10:00 am am	Plenary	Grand Ballroom	Understanding the interactions between flooding adaptation, equity, and community well-being in rural NY	Dr. Sarah Walker, Colorado State University Karen Bailey, Colorado State University Elizabth Smith, The Nature Conservancy	There's a growing recognition of the need to understand how climate adaptation efforts can exacerbate or introduce inequity. In this research, we use a combination of case study analyses and a scoping review to investigate the interactions between climate adaptation strategies and equity in rural communities. One of our case studies focuses on buyout in the Catskills, while the other case study looks at the relationship between floodplain protections and housing issues in Ulster County. Specifically, we will introduce a toolkit designed from our research in rural communities in New York State. We use examples from these case studies to demonstrate the ways in which adaptation interventions interact with issues of equity in rural communities and provide floodplain practitioners with recommended steps and guiding questions to proactively think about equity and justice in their work.
Thurs 4/20	10:00 am - 10:30 am	Plenary	Grand Ballroom	It Takes More Than a Village: A Roadmap for Under-Resourced Communities Seeking Climate Adaptation	Julie Nucci, Village of Owego Jayme Breschard, Barton and Loguidice	This talk chronicles the journey of a flood prone village towards resilience and demonstrates how such actions can inform a national model for community-driven resiliency efforts. The Village of Owego, located at the confluence of the Susquehanna River and the Owego Creek in Upstate NY, catastrophically flooded in 2011 when Tropical Storm Lee left 75% of village properties under water. Resilience efforts since then highlight grassroots community activism that engaged federal coordination and support, local municipal action, and public/private/academic partnership formation. The combination of these efforts is moving an under-resourced community towards climate adaptation and resilience.
Thurs 4/20	10:30 am - 10:45 am	Vendors	Grand Ballroom Foyer - Exhibitors' Area	Break	NYSFSMA	Visit our exhibitors in the Grand Ballroom Foyer!
Thurs 4/20	10:45 am - 11:15 am	Plenary	Grand Ballroom	CRRA and Future Riverine Flood Risk– Approaches for Implementation	Stu Geiger, Dewberry Kelli Higgins-Roche, NYSDEC	The New York State (NYS) Community Risk and Resiliency Act (CRRA) requires that applicants for specified permits and funding demonstrate they have considered future physical climate risk due to sea-level rise, storm surge, and flooding. To support CRRA implementation, the NYS Department of Environmental Conservation (NYSDEC) published the draft New York State Flood Risk Management Guidance for Implementation of CRRA (SFRMG), which envisions using "guideline elevations" to map a future risk-informed flood hazard area. The NYS Office of General Services (NYSOGS) and NYSDEC worked Dewberry to (1) pilot analytical approaches to map future risk-informed flood hazard areas based on the recommended guideline elevations and (2) provide observations and recommendations on how to achieve a defensible and scalable approach for implementing CRRA in inland areas. This presentation will discuss the evaluation of potential floodplain designations that could be used to map future risk-informed flood hazard areas, including flow multipliers and BFE plus freeboard solutions. We will also discuss limitations of these approaches and how ongoing efforts to improve climate-informed hazard identification could be used to expand the availability of this guidance throughout inland areas of New York.

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Thurs 4/20	11:15 am - 11:45 am	Plenary	Grand Ballroom	Floodplain Management within the West of the Hudson NYC Watershed	John Mathiesen, Catskill Watershed Corporation	I will be presenting the history and who CWC is for the NYC West of the Hudson Watershed and how our programs work for the protection of water quality for NYC. A summary of some of the projects that have been completed by CWC's Flood Hazard Mitigation Implementation Program will be presented with some pictures showing a few of the highlighted projects. Projects from bridge reconstruction to allow for the 100 year flood events to pass without overtopping to streambank restoration and creation of floodplains. NYCFBO demos of structures that have been substantially damaged in past flood events. Flood Protection Measures to existing structures, anchoring of oil and propane tanks. Wrapping it up will be discussion on how Local Flood Analysis LFA's are done inside of the NYC West of the Hudson Watershed
Thurs 4/20	11:45 am - 12:15 pm	Plenary	Grand Ballroom	Our Right to Know: Disclosing Flood Risk to Buyers and Renters	Tyler Taba, Waterfront Alliance	Communicating the impacts of climate change can be complicated and complex. Climate information is shared across several platforms, whether it's government agencies; academic institutions; media outlets; organizations; or personal experiences. The amount of information available is abundant, but it isn't always accessible or easy to understand how climate change will ultimately impact you. In New York, there have been advances in both climate adaptation and mitigation policies–focused on community resilience, decarbonization, energy efficiency, land use, and green infrastructure–that are leading the nation. However, there is an important policy area where New York is lagging behind the rest of the country: flood risk disclosure. In 2001, the New York legislature created the Property Condition Disclosure Act (PCDA), which requires home sellers to make certain disclosures or pay a credit of $500 to the home buyer at closing. Many, if not most, home sellers in New York opt not to complete the disclosure statement, and instead pay the credit. There are currently 29 states across the U.S with flood disclosure legislation, the strongest being the Gulf states of Texas, Louisiana, and Mississippi. The expected future annual flood losses for a home with prior flood damage is significantly higher than the average of all homes. Over the course of a 15-year mortgage, average expected damages to the previously flooded home equate to $46,887 (in today's dollars); for a 30-year mortgage flood damages equate to $93,774. This 30-minute presentation will highlight the importance of flood risk disclosure for homebuyers and renters. The presentation will be accompanied by an overview of the legislative landscape for passing flood risk disclosure in New York State, including the challenges that exist with the New York State Association of REALTORS, and potential advocacy actions that
Thurs 4/20	12:15 pm - 1:30 pm	Lunch	Crossroads Ballroom	Lunch	NYSFSMA	
Thurs 4/20	1:30 pm - 2:00 pm	Breakout	Superior/Erie	Developing Relevant Outreach Materials to Address Coastal Flood Risk	Kathleen Fallon, NY Sea Grant (Cornell University)	In 2020 through a Cooperating Technical Partnership (CTP) with FEMA, New York Sea Grant (NYSG) began a project to assess perceived risks around flooding and erosion for shoreline property owners or those working along New York State's (NYS) marine waterfronts. An immediate response was the development of two Story Map Collections, one for the Hudson and a second for Long Island. During this process, however, a greater need arose for more specific and targeted outreach material. Both locations are facing increased climate threats including flooding from coastal storms and sea level rise, and are facing the task of making more informed decisions; the subsequent outreach materials are tailored towards meeting this need. Currently, the identified end products are "A Guide to Permitting for Shoreline Modification Projects in New York's Tidal Waters" and a "Dynamic Shorelines Toolkit". The Guide will help demystify the complicated and complex process of obtaining a permit for work along the shoreline using the Joint Application through NYS Department of Environmental Conservation, NYS Department of State, and the United States Army Corps of Engineers. Whereas the Toolkit is designed to bring together information and resources about coastal hazards and managing flooding and erosion in the shore zone. Both of these resources will be showcased at this session along with the original Story Map Collections which include a new chapter describing the Community Risk and Resilience Act (CRRA), as well as the final results of the needs assessment conducted at the inception of this project
Thurs 4/20	2:00 pm - 2:30 pm	Breakout	Superior/Erie	MyCoast NY: A Statewide Tool for Engaging Communities and Documenting Flood Events	Jessica Kuonen, NY Sea Grant (Cornell Univeristy)	As the frequency and intensity of floods increases across New York and managers are faced with the limitations of regulatory flood maps, community science offers an innovative way to engage residents and fill data gaps. MyCoast NY (https://mycoast.org/ny) is a new community science webtool for collecting and analyzing photos of floods, hazardous weather impacts, and changing shorelines across New York's varied geography. Photos are placed on a map and linked to real-time environmental conditions from the closest weather station, tidal or lake, and river gauge data to help provide context. MyCoast NY functions as a phone app and a website supported by New York Sea Grant in partnership with the NYS Water Resources Institute as a 2-year pilot. The main goals are to build a database of flood photo reports by engaging residents and to understand how the photo reports can be utilized by floodplain managers, emergency managers, and planners to make more informed decisions. This talk will provide background on MyCoast NY, how certain features have been customized for New York's varied coasts and waterbodies, and how to use the tool in your work

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Thurs 4/20	2:30 pm - 3:00 pm	Breakout	Superior/Erie	Submerse NY: Creative Approaches to Flood Risk Communication and Outreach through Public Art	Rewa Phansalkar, NY State Water Resources Institute, Cornell University Kristen Hychka, NY State Water Resources Institute, Cornell University	Submerse NY is a state-wide outreach effort that supports communities in using public art to raise awareness about flood risk and encourage locally-driven solutions. Communities in New York State are increasingly vulnerable to rising sea levels and extreme flooding. Yet, homeowners and the public do not have an adequate understanding of flood risk, which leads to low disaster preparedness, misinformed decisions about the purchase and development of private property and limited public participation in resilience planning. Though there are a variety of maps and digital applications available to visualize flooding risk at various scales, many people appreciate, prefer, or can only access physical indicators in their immediate environment. Public art - including murals, sculpture, performance, and signage - can be an effective visual tool to help the public understand their position in the landscape and connect it to present and future vulnerability to flooding. To understand the benefits and challenges of this approach, we surveyed and compiled over fifty exemplary flood-focused public art projects in New York State and beyond to identify themes and trends in using art as a tool for environmental communication. Using this repository, we developed a "Menu" that highlights different project characteristics and provides a way for communities to design their own art projects as per their priorities, and maximize the effectiveness of their flood-outreach efforts. Findings from this work were used to carry out pilot community-engagement processes, where participants from Town and Village governments, NGOs and local businesses used the Menu as a tool to
Thurs 4/20	3:00 pm - 3:15 pm	Break	Grand Ballroom Foyer - Exhibitors' Area	Break	NYSFSMA	Visit our exhibitors in the Grand Ballroom Foyer!
Thurs 4/20	3:15 pm - 3:45 pm	Breakout	Superior/Erie	Developing a Substantial Damage Response Plan (SDRP)	Tony Subbio, Tetra Tech	Disasters are overwhelming. Individuals who were directly impacted are eager to begin making repairs and/or reconstruct their buildings, while floodplain administrators struggle to enforce their floodplain management ordinances across dozens, hundreds, or thousands of impacted structures. Where structures suffered damage that exceeds 50% of the market value of the structure (i.e., substantial damage), the structures are required to be brought into full compliance with the community's floodplain management ordinance. Meeting the provisions of the ordinance requires appraisals, contractor estimates, permitting decisions, and other processes that delay individuals' recovery. In communities with many damaged structures and/or a small staff to make substantial damage determinations and work with the impacted population, these delays get longer. It becomes more difficult to ensure that post-disaster repairs are being carried out in accordance with the community's regulations. To help facilitate making substantial damage determinations after a disaster, community officials should develop a Substantial Damage Response Plan (SDRP). SDRPs describe the strategy for working with the impacted population, making damage assessments, determining if the substantial damage threshold was met, and helping to guide the whole community through a recovery process that meets the requirements of 44 CFR 60.3. This session will describe how to develop an SDRP that uses the framework of the Community Rating System (CRS) program's Substantial Damage Plan (SDP) and enhances that framework to create a functional and CRS-
Thurs 4/20	3:45 pm - 4:15 pm	Breakout	Superior/Erie	Neighborhood Stabilization Projects in Suffolk County, NY	David Brunner, The LiRo Group Brian Zitani, Town of Babylon	The LiRo Group and the Town of Babylon will share lessons learned throughout a nine-year process to stabilize and protect their local neighborhoods from future incidents of extreme weather through the completion of ten projects with funding provided by NYS. Following Super Storm Sandy, funding was made available to 124 Communities across NY State through the Governor's Office of Storm Recovery (GOSR). This funding was through the NY Rising Community Reconstruction Program (NYRCR) which allocated funding from the U.S. Department of Housing & Urban Development's (HUD) Community Development Block Grant Disaster Recovery (CDBG-DR) program. Lots of acronyms and lots of paperwork and governance. Four separate Planning Committees were involved in the preparation of NYRCR localized recovery plans in the Town of Babylon, (1) Village of Lindenhurst, (2) West Gilgo to Captree, (3) Village of Babylon/West Babylon, and (4) Village of Amityville/Copiague. GOSR staff determined eligibility of individual projects in each NYRCR Plan to move forward towards implementation. The presentation focuses on projects completed in the Village of Babylon/West Babylon, West Gilgo to Captree and the Village of Amityville/Copiague locations. Each project followed a traditional design, bid, build project lifecycle, with different Designers and Contractors. The program was managed, administered and coordinated under the governance of the Town of Babylon, LiRo (as program manager), and GOSR

Date	Time	Setting	Room	Title	Presenter Name	Abstract
Thurs 4/20	4:15 pm - 4:45 pm	Breakout	Superior/Erie	Useful Floodplain Management Training Resources from NYS and Around the Country	Kristen Hychka, NY State Water Resources Institute, Cornell University Stevie Adams, The Nature Conservancy	Floodplain managers play a critical role in protecting people and natural and manmade infrastructure in NYS. But they have so much to know and to stay on top of, often wear many hats, and have limited training time and budget. To address these needs, fortunately, many useful trainings, videos, guides, datasets, and tools have been developed to assist floodplain managers in keeping on top of all they need to know to do their jobs well. As part of a larger effort looking to improve floodplain manager training in NYS, the project team—including representatives from the NYS Water Resources Institute, The Nature Conservancy, NYDEC's Floodplain Management Section, NYSFSMA, and Ulster County CCE—created an inventory of trainings and training resources available in NYS and other states. This talk will outline the trainings currently available in NYS and highlight some of the more interesting and relevant trainings and resources available from other regions and states—many of which are free or low cost and available to anyone online.
Thurs 4/20	Workshops (Including Break)					
Thurs 4/20	1:30 pm - 4:45 pm	Workshop	Huron	Disaster Preparedness for the Building Code / Floodplain	Colleen Flynn, CFM, Schoharie County	This workshop will provide an overview of what building code officials need to know to prepare for and respond to disasters, including floodplain requirements.
Thurs 4/20	1:30 pm - 4:45 pm	Workshop	Ontario	NFIP Risk Rating 2.0: A New Approach to Flood Insurance Rating	Bill Nechamen, Nechamen Consulting	For the first time in decades, FEMA has re-worked the way it determines individual structure rates for flood insurance. The new system is an attempt to look at more flood risk variables than a simple "in and out of the floodplain" and base flood elevation approach. The new approach is much more complex, but also much harder to understand. This presentation will present an introduction to how flood insurance ratings have worked historically and what is going into the new system, including a critique and suggestions for a path forward.
Thurs 4/20	1:30 pm - 4:45 pm	Workshop	Michigan	NFIP Compliance and Mitigation in NY State	Brienna Wirley and Mary Binder, NYS DEC	This workshop is an overview of the NFIP compliance issues we see in NYS. The course will cover how compliance issues are determined, common property violations, community program deficiencies, what the compliance process looks like, enforcement actions, how to prevent violations, and additional resources. Examples of real violations in NYS and how they were mitigated will also be included. There will be opportunities for Q&A and to discuss your specific compliance concerns with NYSDEC Floodplain Managment experts.

NYSFSMA 2023 Annual Conference
Speaker Bios

Presenter Name	Bio
Mary Austerman	Mary Austerman is the Great Lakes Coastal Community Development Specialist and Great Lakes Regional Lead for New York Sea Grant/Cornell University. Her primary expertise is in community resilience, with two principal focus areas: 1) climate adaptation and 2) floodplain management. Additional expertise includes watercraft inspection, local government training, process facilitation, and collaborative network building.
Kenneth Avery, PE, CFM, D>WRE, Bergmann	Kenneth Avery is Water Resources Principal at Bergmann who has been involved with floodplain management and flood risk management issues across New York State for over 40 years. He is serving in an advisory capacity on the Climate Resilient Floodplain Management assignment for OGS/DEC. Ken has over 40 years of consulting engineering experience, and has assisted the New York State Canal Corporation on numerous water-related programs including: dam safety; Reimagine the Canals; Upstate Flood Mitigation Task Force and the Earthen Embankment Integrity Program.
Mary Binder	Mary Binder is an Environmental Program Specialist in the Floodplain Management section working out of DEC Region 6. She provides floodplain management expertise in all of Region 6 and the northern counties of Region 5. Prior to that, Mary worked in the Western Flood Hub, out of Region 8, a position she held since 2014. Mary is a Certified Floodplain Manager and has conducted over 150 Community Assistance Visits and 150 Community Assistance Contacts in municipalities from the Adirondacks to Buffalo. Mary holds a BS in Resources Management from the New York State College of Environmental Science and Forestry.
Jayme Breschard, Barton and Loguidice	Jayme Breschard, AICP, CFM is a Senior Managing Community Planner at Barton & Loguidice, leading the firm's Climate Action initiatives as a Climate Action Specialist. Over the past 20 years, Jayme has coordinated multidisciplinary teams; facilitated projects for municipalities and through stakeholder engagement; provided a regional approach to economic, social, and environmental concerns; and served on both state and national boards of directors. Her specializations include land use, water resources, general municipal planning, local government technical assistance, and education and outreach. She currently participates as a Sector Advisor for Water Resources for the New York State Climate Impacts Assessment. Jayme holds a MA in Historic Preservation Planning from Cornell University.
David Brunner, The LiRo Group	David works directly with municipalities, consultants, and contractors on publicly funded construction projects, including • Project planning, initiation, execution, and closeout • Document management for contracts, notice to proceed, RFI, submittals, daily logs, meeting minutes, specifications, drawings, punch-lists, project status, two-week look ahead, and invoices and receivables • Setup, attend, and facilitate meetings with clients, consultants, contractors, and community members. Publish meeting minutes. • Perform site visits and inspections • Verify submittals for payment • Work with GOSR to ensure compliance with GOSR requirements
John Caterino, CFM, Town of Greece	John Caterino is the Planner for the Town of Greece in Monroe County. In this role, John's primary focus is land use planning and zoning, development review, GIS, and working with the various town departments and agencies on regulatory matters and permitting ranging from floodplain management to coastal erosion hazard areas. John is also the CRS coordinator for the Town of Greece, which has achieved a Class 5 CRS rating.
Kathleen Fallon, NY Sea Grant (Cornell University)	Dr. Kathleen Fallon is the Coastal Processes and Hazards Specialist with New York Sea Grant. In her position she provides technical expertise to various stakeholders such as municipal officials and homeowners around topics such as coastal flooding, erosion, and storm impacts. Prior to her role with NYSG she received her degrees in marine science and geosciences at Stony Brook University and Florida International University, respectively.
Colleen Flynn, CFM, Schoharie County	Colleen Flynn is the Emergency Manager for Schoharie County. She is also a CFM and Building Code Official
Shaun B. Gannon PE, D.WRE, CFM, PH, Ramboll	Mr. Gannon has extensive experience in hydrologic and hydraulic modeling related to flood resiliency, watershed management, urban drainage, hydraulic structures, and flood insurance studies. He leads the Climate Adaptation Modeling Practice Group. Mr. Gannon is licensed Professional Engineer in NY,PA, NJ and OH, a Diplomate of the American Academy of Water Resource Engineers, an American Institute of Hydrology registered Professional Hydrologist, and an Association of State Floodplain Managers Certified Floodplain Manager.
Stu Geiger, Dewberry	Stu Geiger has spent his career helping people understand the relationship between humans and the places they inhabit. As a project manager for Dewberry, he works collaboratively with engineers, geospatial professionals, data scientists, and planners to help communities become more resilient.

NYSFSMA 2023 Annual Conference
Speaker Bios

Presenter Name	Bio
Kador Goz, Ramboll	Kadir Goz specializes in hydrologic and hydraulic analysis and modeling with a focus on water resources and flood forecasting. He has been with Ramboll for 4 years and his current role is with the Water team under the Climate Adaptation group where we focus on private and public clients that are interested in climate risk assessments and flood risk and resiliency, both in the present and future, for significant natural areas, infrastructure, critical assets, and property in response to different types of flooding and climate change.
Shameika Hanson, The Nature Conservancy	Shameika Hanson works at The Nature Conservancy in New York as a Climate Adaptation Specialist helping leaders, residents, and coalitions in chronically flooded areas build local knowledge and capacity to better adapt. She is completed her Professional Science Master's in Environmental Studies at Antioch University New England concentrating on sustainable development and climate change, with a Professional Certificate in climate change resilience. She serves as an Executive Board member of the Long Island Progressive Coalition as well as the American Society of Adaptation Professionals.
Kelly Harris, Dewberry	Kelly Harris has been a Water Resources engineer with Dewberry for 6 years and has been involved with multiple Green Infrastructure design projects and feasibility studies in New York City.
Thomas Hart, Hart Envinronmental Science and Planning	Tom Hart is an environmental scientist with experience in a variety of environmental fields with specialization in geographic information systems applications. His career includes work in coastal management and water quality protection with the New York State Departments of State and Health. As an adjunct at SUNY Albany's Department of Geography and Planning and as a professor at Skidmore College he taught courses in environmental planning, watershed management, remote sensing, and GIS. He has presented continuing education courses in applied stormwater management in regional planning conferences, combining topic knowledge with practical experience as a town planning board member. Tom completed consulting projects include: watershed analysis of bacterial contaminant loading; interstate highway bridge river crossing stormwater design; railroad bridge reconstruction project environmental analysis; statistical analysis relating stormwater and shellfish bed closures; state regulatory shellfish bed database development; change analysis for the Eastern Lake Ontario Sand Dunes shoreline; and shoreline restorations on Lake Ontario.
Paul Hoole, FEMA Region II. Mitigation Division, Community Planner	Paul Hoole has been a Community Planner in FEMA Region 2 Office for over ten years. He works out of FEMA field office in Albany, New York where he has assisted New York State and most of its 62 counties as they assessed their risks and developed hazard mitigation plans. Prior to joining FEMA, Paul worked in the Planning Division of the New York State Department of Transportation where he worked on organizational/management improvement initiatives and administered the Department's non-engineering research program.
Rebecca Hughes, Executive Deputy Director, Canals for NY Power Authority	Rebecca Hughes serves as executive deputy director for the New York State Canal Corporation, a subsidiary of the New York Power Authority (NYPA). Her team is responsible for public and government relations across the 524-mile Canal System as well as the $300 million Reimagine the Canals economic development initiative. Rebecca strives to build coalitions through open dialog and transparent communication.
Kristen Hychka, NY State Water Resources Institute, Cornell University	Kristen is a Researcher on Outreach Specialist at the NYS Water Resources Institute at Cornell University. She runs the Climate Resilience and Riparian Management programs.
Ken Kemp, Resilience Director, NY Power Authority	Ken is a Civil Engineer serving as the Resilience Director at NYPA and is currently assigned to Canal Corporation coordinating the Canal's dredging program, maintaining the Upland Disposal Sites, coordinating review of Canal sited hydropower facilities, and assisting development of several additional early stage programs.
Tiphanie Ketch, PE, CFM, Bergmann	Tiphaine Ketch is the Project Manager for the Bergmann Climate Resilient Floodplain Management project.
Joseph C. Kirby P.E., CFM, Woodard & Curran	Joseph is a Senior Technical Manager in Woodard & Curran's Flood Mitigation Practice with expertise in hydraulic and hydrologic studies, FEMA Flood Insurance Studies (FIS) and Risk Assessments, floodplain mapping, flood mitigation, NFIP regulatory compliance and permitting, drainage design, system modeling, methods, and process development. He has 27 years of engineering experience with most of his career focused on water resources; managing, supporting, and performing drainage system and flood mitigation hydraulic and hydrologic studies for local, state, and federal clients. Joseph is a graduate of the University of Maine with a BS in Forest Engineering and works nationally out of his home office in Portland, Maine.
David Klein, The Nature Conservancy	David focuses on conservation issues relating to the watershed, coastline, and open waters of Lake Ontario. Previous projects have included sustainable water management of tributaries, restoration of key native fish species, and coastal land conservation. A current focus is sustainable management of natural resources in the coastal zone, including key sources of coarse sediment, like coastal bluffs.

NYSFSMA 2023 Annual Conference
Speaker Bios

Presenter Name	Bio
Megan Kocher	Megan is the Great Lakes Outreach Coordinator with New York Sea Grant where she coordinates the NY's Great Lakes Basin Small Grants Program, develops outreach materials, and conducts educational programming for a variety of stakeholders within NY's Great Lakes region.
Jessica Kuonen, NY Sea Grant (Cornell Univeristy)	Jessica Kuonen is the Hudson Estuary Resilience Specialist for New York Sea Grant, located in Kingston, NY. She works with waterfront communities on issues related to coastal hazards, climate change, and environmental health.
Gabe Lederman, Wapro Inc	Gabe Lederman has worked in the water industry for over 20 years. Now, with a focus on stormwater, he is the Northeast Territory Manager for Wapro, Inc., a manufacturer of flood control and flow regulation solutions, where he provide his expertise in the implemnetation of those products. In addition, Gabe is also a member of the NJAFM and participates on their Stormwater Sub-Committee. Having successfully completed projects worldwide, most recently his work has brought him closer to his home in NJ. By collaborating with engineers, consultants, end-users, and other stakeholders, Gabe aims to ensure future sustainability and resilience cby minimizing the damages caused by the devastating effects of flooding and rising sea levels.
John Mathiesen, Catskill Watershed Corporation	John has worked for CWC for 9 years and has been involved in Code Enforcement for 30 years. He manages the Flood Hazard Protection Program for CWC as well as other programs. This program provides various funding for flood protection measures within the NYC West of the Hudson Watershed for water quality measures. John also does all of the project construction over site for these projects.
Julie Melancon, NYS DEC	Julie Melançon is an Environmental Program Specialist 2 with the New York State Department of Environmental Conservation's Division of Water in Region 7. She works in the non-point source program administering the Construction, MS4 and CAFO General Permits. Julie is a CPESC and has worked with stormwater for over 20 years in both the private and public sectors. She is a member of NYSDEC's Stormwater Implementation Team (SWIT), the International Erosion Control Association and the National Association of Environmental Professionals.
Bill Nechamen, Nechamen Consulting	Bill Nechamen has been a CFM for 20 years and is a former New York State DEC floodplain program coordinator, with over 25 years of floodplain management experience.
Julie Nucci, Village of Owego	Julie Nucci is the Flood Resiliency Coordinator for the Village of Owego, a volunteer position she created with village leadership. She is an Ex-Officio member of the Owego Historic Preservation Commission and serves on the Village of Owego Planning Board. She is also a Fellow of the National Hazard Mitigation Association.
Laura Ortiz, USACE	Laura Ortiz has worked for the Corps of Engineers since 1987. She is currently the District's Flood Risk Management Manager and works on the NY State Silver Jackets team, an interagency partnership with federal and state agencies. Laura is also a Certified Floodplain Manager. Since October 2022, Ms. Ortiz has been serving as the District's Emergency Manager.
Rewa Phansalkar, NY State Water Resources Institute, Cornell University	Rewa Phansalkar is a regional planner, architect and researcher based in Ithaca, New York. She studied architecture at the Academy of Architecture, Mumbai, before pursuing a master's degree in Regional Planning at Cornell University. In the past, she has worked with the Aga Khan Agency for Habitat, School of Environment and Architecture and the Urbz Research Collective in Mumbai, India. She's currently a Research and Outreach Specialist at the New York State Water Resources Institute at Cornell University, where she works on projects that integrate sustainable urban design, policy, and governance approaches for flood resilience. She is interested in map-making, graphic communication, and spatial and inferential statistics, and aims to pursue a career in international development long-term, with a focus on planning for coastal communities.
Jason Phillips, NYC OEM	Jason Phillips is a Community Recovery and Resiliency Planner for the New York City Department of Emergency Management. He focuses on community recovery coordination with internal and external partners to ensure community representation in recovery planning following disasters. He also manages recovery metrics and data products such as recovery dashboards, datasets, and tools to track trends and progress in recovery, identify unmet needs, and support executive decision-making.
Tom Shay, Woodard & Curran	Tom is a Technical Manager with over 15 years of experience focusing on site redevelopment planning, permitting, design, and construction administration for both private, municipal, and institutional clients. During his tenure with Woodard & Curran, Tom has contributed to a wide range of civil and environmental engineering projects. Experience includes project, client, and technical management and delivery of site/civil layout and design, local, State, and Federal permitting, development of engineering plans and specifications, construction inspection and administration, stormwater analysis and modeling, site investigation and materials characterization, data management, analysis, and reporting.
Curtis Smith, Stantec	Curtis is a professional engineer who serves as a team lead and technical expert for several clients in the flood risk industry including FEMA. His projects are focused on leveraging engineering principles and statistical processes to identify flood prone areas and promote sound floodplain management solutions.

NYSFSMA 2023 Annual Conference
Speaker Bios

Presenter Name	Bio
Tony Subbio, Tetra Tech	Tony Subbio is a community resilience consultant with over 19 years of experience helping municipalities, counties, regions, and states enhance their emergency management, hazard mitigation, and/or floodplain management programs. He has led more than 20 countywide hazard mitigation plan updates across New York and Pennsylvania; provided technical expertise on floodplain management and National Flood Insurance Program (NFIP) compliance to the Commonwealth of Pennsylvania, including serving in the Commonwealth's NFIP coordination role; and has worked with nearly 30 communities in New York, Pennsylvania, New Jersey, and California on entering and/or succeeding in the Community Rating System (CRS) Program. He has presented on emergency preparedness, floodplain management, and hazard mitigation topics at local, state, and national training sessions and conferences, and is a Certified Floodplain Manager and Certified Emergency Manager.
Tyler Taba, Waterfront Alliance	Tyler Taba joined Waterfront Alliance in January 2022 as the senior manager for climate policy. He is charged with developing climate change policy and strategy, leading the coordination and convening of the Rise to Resilience coalition, and identifying changes and trends in climate change that affect and dictate new strategy. Prior to joining Waterfront Alliance, Tyler worked at the National Parks Conservation Association on resilience and adaptation for coastal national parks, as well as at New York City Department of Parks and Recreation on improving stormwater management permitting and practices.
Janet Thigpen, CFM, Southern Tier Central Regional Planning & Development Board	Janet Thigpen is the Flood Mitigation Specialist for Southern Tier Central Regional Planning & Development Board, where she has implemented a regional flood assistance program for Chemung, Schuyler, and Steuben Counties since 1996. She provides floodplain stewardship and land use management assistance to support improved flood safety and damage prevention. The Sothern Tier Central Regional Planning & Development Board (Chemung Schuyler and Steuben Counties), which includes 9 CRS communities.
James Tierney, Dep. Commissioner for Water Resources	Jim Tierney serves as the Deputy Commissioner for Water Resources within the New York State Department of Environmental Conservation. Jim has management responsibility for all clean water programs, including: sewage and industrial wastewater treatment plants; programs to address polluted runoff from concentrated animal feeding operations, construction excavations, and urbanized areas; water quality standards; stream classifications, and water quality assessments. This includes the management of multiple grant programs often exceeding $100 million, and coordination oversight of the $1 billion Clean Water State Revolving Loan fund with the Environmental Facilities Corporation. Jim's portfolio also includes dam safety, levees, flood plain mapping and management, flood resiliency planning, and the coastal erosion hazard area program – areas of responsibility that expanded dramatically after Superstorm Sandy. This responsibility includes the full array of flood mitigation and coastal hazard projects undertaken within New York in conjunction with the Army Corps of Engineers, a total project portfolio that exceeds $3 billion in value. Mr. Tierney also oversees water supply assessments and permits, the Great Lakes St. Lawrence River Compact, reservoir releases, drought monitoring, and the like. Jim represents New York's interests on multiple interstate and international commissions with respect to the water quality and water resources of the Great Lakes, Long Island Sound, the New York-New Jersey Harbor Estuary, the Susquehanna River Basin, Lake Champlain, and the Delaware River Basin. He also oversees DEC's efforts on focused watershed basin programs aimed at protecting and improving such areas as the unfiltered New York City drinking water supply and watershed, Lake Champlain, Chesapeake Bay, the Finger Lakes, Long Island Sound, the Great Lakes and St. Lawrence River, the Mohawk River Basin, and the Hudson River Estuary.
Danielle Tommaso, CFM, USACE	Danielle Tommaso is a Senior Planner at the U.S. Army Corps of Engineers New York District, where she manages large scale flood risk management Civil Works studies. She is also the Executive Secretary of the U.S. Army Corps of Engineers National Nonstructural Committee, a team promoting the evaluation and implementation of nonstructural solutions to water resource problems.
Kevin Trainor, Woodard & Curran	Kevin has over 10 years of experience working with communities on drainage analysis, stormwater and wastewater utility design, green infrastructure design, EPA-funded Brownfield redevelopment, and municipal infrastructure construction projects. He specializes in hydrodynamic modeling, from analyzing vulnerability of existing and proposed assets to heavy precipitation, storm surge, and climate change to designing mitigation solutions. He works directly with clients and regulatory agencies to choose the right modeling tool, collect data, simulate existing and proposed conditions, and select an effective solution.

NYSFSMA 2023 Annual Conference
Speaker Bios

Presenter Name	Bio
Bryan VanderGheynst, PE, CFM, NV5 New York	Bryan VanderGheynst has over 26 years of experience in civil and environmental engineering, specializing in modeling, permitting, and water resources engineering throughout New York and New Jersey. He is an expert in the use of HEC-RAS hydrologic and hydraulic modeling software programs and has provided flood control/ stormwater management training seminars to other colleagues and consultants. Bryan recently served as Project Manager on the Carlls River Watershed Study and subsequently as the technical lead for the Sunrise Highway Stormwater Wetland Project, both for the Town of Babylon.
Dr. Sarah Walker, Colorado State University	Dr. Walker is an environmental social scientist. Her research focuses on the intersection between human well-being and nature. She uses participatory and community-based research methods to better understand the social justice implications of changing environments. Much of her work focuses on investigating the well-being impacts of climate adaptation in communities around the world, while another portion of her research focuses on the well-being and health benefits of access to nature. Sarah is an Assistant Professor at Colorado State University, and a Naturenet Fellow with The Nature Conservancy.
Brad Wenskoski, NYS DEC	Brad Wenskoski is an Environmental Program Specialist with the New York State Department of Environmental Conservation (NYSDEC) in the Floodplain Management Section, and also serves as the Program Emergency Response Coordinator for the NYSDEC Division of Water. Brad is an Association of Statewide Floodplain Management (ASFPM) Certified Floodplain Manager (CFM®), New York State Floodplain and Stormwater Managers Association (NYSFSMA) Region 4 Director, and NYS Certified Code Enforcement Official (CEO). Brad graduated in 2008 with a Bachelor of Science degree in Environmental Science from the State University of Plattsburgh.
Brienna Wirley	Brienna Wirley has worked in the Floodplain Management Program for the NYSDEC Division of Water as part of the Western Flood Protection and Dam Safety Hub in the Avon Office since 2018. She assists communities within NYS to implement standards and requirements of the NFIP through technical assistance, community visits, and trainings. Brienna is the primary floodplain contact for communities in NYSDEC Regions 7, 8, and 9. She holds a BS in Environmental Studies from Le Moyne College in Syracuse, NY and has been a Certified Floodplain Manager (CFM) since 2019.
James Woidt, PE, Streamworks	Mr. Woidt is a hydrologist and water resource engineer for Streamworks, a small engineering firm focused on all facets of riverine, wetland, tidal, and stormwater systems. At Streamworks, Mr. Woidt specializes in process-based stream restoration, flood risk management, and dam safety in New York and northern New England.
Tolga Yilmaz. Michael Baker	Tolga Yilmaz is a Project Manager with 17 years of experience in an array of project management, disaster response, and construction sectors. He has over 10 years of support experience in FEMAâ€™s Map Modernization (Map Mod) and Risk Mapping, Assessment and Planning (Risk MAP) programs. Tolga supported FEMA Region 2 at Regional Service Center (RSC) 2 from 2009 through 2014 as the Deputy RSC Lead. He then worked on local New York City (NYC) disaster response and green infrastructure projects. He has been the RSC 2 Lead since January 2022. Tolga has also been leading the three PTS teams on both FEMA Headquartersâ€™ FFRMS innovation projects.

NYSFSMA 2023 Annual Conference
Attendance List

Name	Affiliation	E-Mail Address
Cynthia Addonizio-Bianco, CFM	Tetra Tech	cynthia.bianco@tetratech.com
Gina Agosta	Verisk ISO	gina.agosta@verisk.com
Zachary Alwardt	City of Batavia	zalwardt@batavianewyork.com
Heather Apgar	Tetra Tech	heather.apgar@tetratech.com
Mary Austerman	New York Sea Grant	mp357@cornell.edu
Ken Avery	Bergmann	kavery@bergmannpc.com
Frank Balbi		frankbalbi@gmail.com
Yaquelin Barcenas	Wapro	yaquelin.barcenas@wapro.com
Aaron Bennett	NYCDEP	aabennett@dep.nyc.gov
Mary Binder, CFM	NYSDEC	mary.binder@dec.ny.gov
Michael Borth	Village of Akron	codeenforcement@akronvillage.us
Dustin Bradley	LaBella Associates	dbradley@labellapc.com
Jayme Breschard	Barton & Loguidice, D.P.C.	jbreschard@bartonandloguidice.com
Donald Brewer	Donald Brewer Surveying, Inc.	brewerpls@gmail.com
Edward Brower	Delaware County Planning	edward.brower@co.delaware.ny.us
David Brunner	The LiRo Group	brunnerd@liro.com
Wendell Buckman, PE	Barton & Loguidice, D.P.C.	wbuckman@bartonandloguidice.com
Cory Burrows	MACE	cburrows.mace@gmail.com
Desiree Campbell	Town of Cortlandville	dcampbell@cortlandville.org
Nicholas P. Carbone	Delware Co. Planning Dept	nick.carbone@co.delaware.ny.us
Anthony Catalano	Woodward # Curran	acatalano@woodardcurran.com
John Caterino, AICP, CFM	Town of Greece	JCaterino@greeceny.gov
Corrina Cavallo	NYS DHSES	Corrina.Cavallo@dhses.ny.gov
Kevin Clapp	NYS Dept of Homeland Security & Emerg Services	kevin.clapp@dhses.ny.gov
Jaime Cole	Village of Sidney	codes@villageofsidney.org
Domenick Covello	Town of Olive	olivebuildingzoning@gmail.com
James Crowley	Town of Cochecton	codeofficer@townofcochectonny.org
Lauren Darcy	Central NY Regional Planning & Devp Board	ldarcy@cnyrpdb.org
Hiram Davis	Town of Middletown	middletownceo@gmail.com
Nicholas DiGennaro	Oneida County Department of Public Works	nicholas.digennaro@gmail.com
Peter DiSclafani	Town of Shandaken	supervisorshandaken@gmail.com
Kevin Donohue	Village of Port Chester	KDonohue@PortChesterNY.gov
John Dromsky Reed	AECOM	john.dromsky-reed@aecom.com
Stephan Duncan	Dewberry	sduncan@dewberry.com
Graydon Dutcher	Delaware Co Soil and Water Cons. Dist	Graydon-dutcher@dcswcd.org
Terry Ekwell	BCM Consulting Services	tekwell337@gmail.com
Ethan Ely		eely@slrconsulting.com
Heidi Emrich	Ulster County	hemr@co.ulster.ny.us
Kathleen Fallon	New York Sea Grant	kmf228@cornell.edu
Jason Fenn	FEMA Region 2	jasonfenn@protonmail.com
Matt Fischione	Town of Lancaster	MFischione@lancasterny.gov
Tony Fischione	Town of Evans	tfischione@townofevans.org
Alyssa Flint	Ramboll	aflint@ramboll.com
Christys Flynn	Town of Bethel	christy.flynn1030@gmail.con
Colleen Flynn, CFM	Schoharie County EMS	colleen.flynn@co.schoharie.ny.us

NYSFSMA 2023 Annual Conference
Attendance List

Name	Affiliation	E-Mail Address
Carolina Fonseca	Village of Mamaroneck	cfonseca@vomny.org
Gino Frabasile	Village of Mamaroneck	gfrabasile@vomny.org
Daniel Fuller, PE	NYS DEC	daniel.fuller@dec.ny.gov
Shaun B. Gannon	Ramboll	shaun.gannon@ramboll.com
Stuart Geiger	Dewberry	stgeiger@gmail.com
Benjamin Girtain Plowe, PE	NYS DEC	benjamin.girtainplowe@dec.ny.gov
Geoffrey Golick	NYS DEC	geoffrey.golick@dec.ny.gov
Rayana Gonzales	NYS Division of Homeland Security & Emergency Ser	rayana.gonzales@dhses.ny.gov
Stephanie Gootman	FEMA Region 2	stephanie.gootman@fema.dhs.gov
Arvind Goswami, PE, CFM	NYS DEC	arvind.goswami@dec.ny.us
Brent Gotsch	NYC DEP	bgotsch1@gmail.com
Kadir Goz	Ramboll	Kadir.Goz@ramboll.com
Daniel Gray		dgray12956@aol.com
Melissa Gray	Town of Woodstock	mgray@woodstockny.org
Krista Greer	JM Davidson Engineering, D.P.C.	kgreer@jmdavidsoneng.com
Richard Groh	Town of Babylon	rgroh@townofbabylon.com
Douglas Groth	Village of Bayville	buildingdept@bayvilleny.gov
Joseph Guarino	Town of Babylon	jguarino@townofbabylon.com
Paul Guillet	LaBella Associates	pog1@fastmail.com
Shameika Hanson	The Nature Conservancy	shameika.hanson@tnc.org
Kelly Harris	Dewberry	keharris@Dewberry.com
Thomas Hart	Hart Environmental Science and Planning	thomashart109@gmail.com
Christa Hay	NYS Dept of Homeland Security & Emerg Services	christa.hay@dhses.ny.gov
Johathan Henderson	Town of Walton	waltoncode@townofwalton.org
Martin Hernandez	FEMA	martin.hernandez@fema.dhs.gov
Kelli Higgins-Roche, PE, CFM	NYS DEC	kelli.higgins-roche@dec.ny.gov
Francis Hoffman	Town of Woodstock	fhoffman@woodstockny.org
Eric Hofmeister	Town of Shandaken	eric@lookseek.com
Paul Hoole	FEMA - Region 2	paul.hoole@fema.dhs.gov
Nathan Horstman	Bergmann	nhorstman@bergmannpc.com
Russell Houck	City of Syracuse	rhouck@syr.gov
Jean Huang	Dewberry	jhuang@dewberry.com
Rebecca Hughes	New York State Canal Corporation	Rebecca.Hughes@nypa.gov
William Humphrey	Village of Baldwinsville	ghumphrey@baldwinsville.org
Kristen Hychka	NYS Water Resources Institute	kch235@cornell.edu
John Ingram	Town of Ollive	olivebuildingzoning@gmail.com
Martin Jerzak Jr.	Town of Nichols	mgjerzak@gmail.com
Charles Kayton	StormSensor, Inc.	charles@stormsensor.io
Max Kelly	Ashokan Stream Management Program	maxkellyemail@gmail.com
Ken Kemp	New York Power Authority	kenneth.kemp@nypa.gov
Gregory Keyes	Town of Olive	empirehomeinspector@gmail.com
Joseph Kirby	Woodard & Curran	JKirby@WoodardCurran.com
David Klein	The Nature Conservancy	dklein@tnc.org
Megan Kocher	New York Sea Grant	mk2236@cornell.edu
Jessica Kuonen	New York Sea Grant	jak546@cornell.edu

NYSFSMA 2023 Annual Conference
Attendance List

Name	Affiliation	E-Mail Address
David Kvinge	Westchester Co. Dep't of Planning	dsk2@westchestergov.com
Gina LaMonte	Town of Paris	ginatownofparis@roadrunner.com
Tracey Ledder	Delaware Engineering	tledder@delawareengineering.com
Sean Leddy	Delaware Co. Planning Dept	sean.leddy@co.delaware.ny.us
Gabe Lederman	Wapro	gabe.lederman@wapro.com
Donna LeMoine	Town of Shandaken	shandakenwater@yahoo.com
Belinda Lester	Michael Baker International	belinda.lester@mbakerintl.com
Joann Lindstrom	Town of Owego	lindstromj@townofowego.com
Ricardo Lopez-Torrijos	CasaAlba Consulting	lopeztorrijos.ricardo@gmail.com
Regina Majercak	FEMA	regina.majercak@fema.dhs.gov
Karis Manning, PE	NYS DEC	karis.manning@dec.ny.gov
Kevin Margerum	MACE	kmargerum.mace@gmail.com
Andrew Martin	FEMA	andrew.martin@fema.dhs.gov
John Mathiesen	Catskill Watershed Corporation	jmathiesen@cwconline.org
Sergio Mauras	Village of Freeport	smauras@freeportny.gov
Julie Melancon	NYS DEC	julie.melancon@dec.ny.gov
Steven Mellott	Fisher Associates	SMELLOTT@FISHERASSOC.COM
Alfred Mohr	Town of Andes	alfred.mohr@yahoo.com
Kevin Moore	Town of Clarkson	Kevin.moore@clarksonny.org
Josh Morgan	Village of Walton	code@villageofwalton.com
Richard Neal	Wapro	richard.neal@wapro.com
Bill Nechamen	Nechamen Consulting	billnechamen@gmail.com
Cheryl Nechamen		cnechamen@msn.com
John Newcomb, CFM	Town of Greece	jnewcomb@greeceny.gov
Brian Nicholson	NYS DEC	Brian.Nicholson@dec.ny.gov
Jane Nicholson	Michael Baker International	jane.nicholson@mbakerintl.com
Rosaleen Nogle	Buffalo Sewer Authority	rnogle@buffalosewer.org
Julie Nucci	Village of Owego	jn28@cornell.edu
Charles Nystrom	Town of Lumberland	cnystrom123@gmail.com
John O'Rourke	Lanc and Tully	JOR@Lanctully.com
Mandi Ohar	NYS DEC	mandi.ohar@dec.ny.gov
Michael Oliver, CFM	Town of Tonawanda	moliver@tonawanda.ny.us
Laura Ortiz	U.S. Army Corps of Engineers	laura.v.ortiz@usace.army.mil
Roland Paperman	NYS Dept of Homeland Security & Emerg Services	roland.paperman@dhses.ny.gov
Nathan Paquin	NYS DOS	nathan.paquin@dos.ny.gov
Jessica Patterson	Delaware Co. Soil and Water Cons. Dist.	jessica-rall@dcswcd.org
Sarah Pellizzari	Town of Hunter	spellizzari@townofhuntergov.com
Rewa Phansalker	NYS Water Resources Institute	rp589@cornell.edu
Jason Philips	New York City Office of Emergency Management	jphillips@oem.nyc.gov
John Queenan, PE, CFM	Lance and Tully Engineering, PC	JQ@Lanctully.com
Laura Robertson	Town of Niskayuna	lrobertson@niskayuna.org
Peter Rocchi	Town of Southport	pmrocchi@yahoo.com
Emily Royce	Genesee Finger Lakes Regional Planning Council	eroyce@gflrpc.org
John Russell	NYS DEC	john.russell2@dec.ny.gov
Bailey Sawyer	NYS DEC	bailey.sawyer@dec.ny.gov

NYSFSMA 2023 Annual Conference
Attendance List

Name	Affiliation	E-Mail Address
Mieke Scherpbier		mscherpbier@slrconsulting.com
Ronald Schmidt	Town of Owego	crschmidt178@gmail.com
Ashley Seyfried	Southern Tier East Regional Planning Board	aseyfried@southerntier8.org
Manthan Shah	Woodward & Curran	mshah@woodardcurran.com
Stephen Shaw	SUNY - ESF	sbshaw@esf.edu
Chad Sievers	NYS Department of State	chad.sievers@dos.ny.gov
Curtis Smith	Stantec	Curtis.Smith@stantec.com
Elizabeth Smith	The Nature Conservancy	elizabeth.smith@tnc.org
Jonathan Smith	FEMA - Region 2	jonathan.smith@fema.dhs.gov
Madelaine Smith		madelainesmith1@gmail.com
Heather Spitzberg	NYS Div of Housing and Community Renewal	heather.spitzberg@nyshcr.org
Shawna Stevenson	University at Binghamton	ssteve12@binghamton.edu
Tony Subbio	Tetra Tech	tony.subbio@tetratech.com
Charlie Sullivan	Wapro	charlie.sullivan@wapro.com
Tyler Taba	Waterfront Alliance	ttaba@waterfrontalliance.org
Jonathan Tamargo	NYS DEC	Jonathan.Tamargo@dec.ny.gov
Janet Thigpen, CFM	So. Tier Central Reg. Planning & Devp Board	jthigpen@chemungcountyny.gov
James Tierney	NYS DEC - Dep Commissioner of Water Resources	james.tierney@dec.ny.gov
Kevin Trainor	Woodward and Curran	ktrainor@woodardcurran.com
Mike Unfus	MACE	munfus.mace@gmail.com
Kevin VanBlarcum	Town of Shandaken	shandakenwater@yahoo.com
Bryan Vandergheynst	NV5, Inc.	bryan.vandergheynst@nv5.com
Sarah Walker		sewalker@colostate.edu
Clarissa Walrath	Village of Sidney	cwalrathvos@gmail.com
Douglas Weber	Town of Franklin	codeenforcementfranklin@gmail.com
Brad Wenskoski, CFM	NYS DEC	brad.wenskoski@dec.ny.gov
Dani White	Ashokan Watershed Stream Mgmnt Association	daw287@cornell.edu
John Wilkinson	NYS Dept of Homeland Security & Emerg Services	john.wilkinson@dhses.ny.gov
Brienna Wirley	NYS DEC Region 8	brienna.wirley@dec.ny.gov
Charles Woidt		rwoidt54@gmail.com
James Woidt	Streamworks, PLLC	woidt@streamworkspllc.com
Tolga Yilmaz	Michael Baker International	tolga.yilmaz@mbakerintl.com
Brian Zitani, CFM	Town of Babylon	bzitani@townofbabylon.com