## THURSDAY, APRIL 18TH – DAY 1

**7:45 REGISTRATION BEGINS**

**8:00 CONTINENTAL BREAKFAST (INCLUDED)**

**9:00-9:30 OPENING REMARKS**

**James Plummer**, NEIWPCC
**Susan Sullivan**, NEIWPCC
**Stephen Landry**, NHDES

**9:30-10:30 KEYNOTE ADDRESS**

**Ted Diers,** Administrator, Watershed Management Bureau, NHDES
**Mel Cote,** Surface Water Branch Chief, US EPA R1
**Harry Stewart,** Senior Associate, Normandeau Associates

**10:30-11:00 BREAK**

**11:00-12:00 GENERAL SESSION 1**

### HYDROMODIFICATION

**John Magee, NH Fish and Game Department, and Jim MacCartney, National Parks Service**
*The Nash Stream Restoration Project: restoring riverine processes and connectivity*
**Stephen Landry, NHDES, and Sarah Widing, Inter-Fluve**
*Resiliency on the Suncook River – Perspective after 13 years of avulsion, analyses, and construction*

**12:00-1:00 LUNCH (INCLUDED)**

**1:00-2:45 CONCURRENT SESSIONS 2**

### SOCIAL SCIENCE

**James Houle, UNH Stormwater Center**
*Advancing adoption and implementation of GSI through a Diffusion on Innovation Approach*
**Brian Eisenhauer, Plymouth State University**
*To Adopt or Not? Using Social Science in Watershed Planning to Promote the Adoption of Residential Best Management Practices*
**Laura Byergo, NH Seacoast Community Volunteer, and Lisa Loosigian, NHDES**
*Managing a State Soak Up the Rain Program: Creating Capacity and Culture*

### RURAL ROADS

**Emily Bird and Jim Ryan, VTDEC**
*From Bennington to Burlington: Bringing Vermont's Municipal Roads to a Common Standard for Water Quality*
**Jason Sorenson, USGS**
*Potential nutrient load reduction through municipal leaf management*
**Dana Allen, Watershed Consulting Associates, LLC**
*Stormwater BMPs for constrained transportation corridors in rural areas – a case study from Vermont's country roads*

**2:45-3:15 BREAK**

3:15-5:00 CONCURRENT SESSIONS 3

### COASTAL NUTRIENT MANAGEMENT

**Nathaniel Merrill, US EPA Atlantic Ecology Division**
*When and where to intervene? Coastal nutrient loading, groundwater travel times, and watershed dynamics*
**Kate Mulvaney, US EPA Atlantic Ecology Division**
*Social Acceptance of Alternative Nutrient-Reduction Technologies in Estuaries*
**Holly Drinkuth and Christopher Clapp, TNC, and Marry Anne Taylor, CDM Smith**
*Innovative Nonpoint Source Pollution Management for Coastal Ecosystem Recovery on Long Island and around Long Island Sound: (Suffolk and Westchester County, New York and coastal Connecticut)*

### LAKE WATER QUALITY

**Chris Navitsky, The FUND for Lake George**
*A Model for Protection – Improving Water Quality Through Septic System Management at Lake George, NY*
**Linda Schier, Acton Wakefield Watersheds Alliance, and Sally Soule, NHDES**
*The Elephant in the Outhouse – Failed Septic Systems and Lake Water Quality*
**Danielle Wain and Charlie Baeder, 7 Lakes Alliance, and D. Whitney King, Colby College**
*The East Pond Treatment: a Multi-Stakeholder Approach to Lake Management*

5:30-7:30 EVENING RECEPTION

*PORTSMOUTH GAS LIGHT CO.* (64 MARKET ST)

## FRIDAY, APRIL 19TH – DAY 2

7:45 CONTINENTAL BREAKFAST (INCLUDED)

8:30-10:00 CONCURRENT SESSIONS 4

### STORMWATER & GREEN INFRASTRUCTURE

**Michelle West, Horsley Witten Group, Inc.**
*The Designs, They Are A-Changin': Evolution of Stormwater Designs for Maintenance (Part 1)*
**Matthew Lehman, Horsley Witten Group, Inc.**
*High performance modular biofiltration systems – overcoming shortfalls of traditional vegetated BMPs (Part 2)*
**Bill Boulanger, City of Dover, NH DPW, and James Houle, UNH Stormwater Center**
*Every Day Counts – Simpler, more effective and maintainable stormwater innovations from Departments of Public Works*

### SEA LEVEL RISE AND CLIMATE RESILIENCE

**Lauren Townley, NYS DEC**
*Offsetting the impacts of climate change on water quality in the Chesapeake Bay Watershed*
**Geoffrey Glover and Brian Laverriere, Horsley Witten Group, Inc.**
*IT'S ALIVE! Living Shorelines Protecting our Coastal Communities*
**Jayne Knott, UNH, and Sherry Godlewski, NHDES**
*Potential Water Quality Impacts Associated with Groundwater Rise Caused by Sea-Level Rise*

10:00-10:30 BREAK

10:30-12:30 GENERAL SESSION 5

### 319 PROJECT SUCCESSES AND FAILURES

**Benjamin Lundsted, Comprehensive Environmental, Inc., Jebb Curelop, Baboosic Lake Association, and Jeff Marcoux, NHDES**
*Brief History of Baboosic BMPs: Overcoming barriers with watershed planning… and Bulldozers. The Baboosic Lake Watershed Restoration Plan and Implementation in Amherst and Merrimack, New Hampshire*
**State NPS Coordinators and Project Managers. Facilitated by Stephen Landry, NHDES**
*Battle of the Bads – because NPS project management and implementation is not always sunshine, rainbows, puppies, and unicorns. Come hear from your peers how fighting through tears over the last 30 years has led to cheers…most of the time.*

12:30 CLOSING REMARKS

1:30 – 4:00 FIELD TRIPS (LUNCH INCLUDED IF REGISTERED)

### #1: LIVING SHORELINES TOUR

**Kirsten Howard, Coastal Resilience Coordinator, NH Coastal Program, Tom Ballestero, UNH Stormwater Center, and David Burdick, UNH Jackson Estuarine Research Laboratory**

### FROM ARMORED TO LIVING: REINTRODUCING RESILIENCE TO OUR SHORELINES

*This project converted a rip rap shoreline into a fringing salt marsh. Site designs included a seaward "habitat rock" sill, imported soils, and geomorphically consistent metrics (slopes, lengths, drainage, etc.) that account for sea-level rise. The project used living shoreline techniques to restore portions of habitat in Cutts Cove by: 1) enhancing the diversity and quality of approximately 60,000 sq ft of mudflat habitat through addition of native shell substrate; 2) partially removing 200 linear feet of shoreline armoring, creating 5,000 sq. ft. of new tidal marsh and a 3,000 sq. ft. vegetated tidal buffer zone; and 3) creating functional connections among tidal habitats and adjacent upland to provide for habitat migration. A new public park will be built landward of the living shoreline project site and will enable higher visibility and educational opportunities for living shoreline approaches in New Hampshire.*

### #2: STRAWBERY BANKE MUSEUM & GUNDALOW COMPANY'S SHEAFE WAREHOUSE

### WATER HAS A MEMORY: THE IMPACT OF SEA-LEVEL RISE ON CULTURAL RESOURCES

**Rodney Rowland, Director of Special Projects and Facilities, Strawbery Banke Museum**

*Strawbery Banke Museum is an authentic 10-acre outdoor history museum dedicated to bringing 300+ years of American history in a Portsmouth waterfront neighborhood to life. The 10-acre museum campus incorporates the Puddle Dock neighborhood, named for its earliest incarnation as a tidal inlet. Though the inlet was long ago filled, it is among the lowest land points in the city and a natural conduit for draining water. This has offered an opportunity for the museum to partner with the city to take a first look how coastal communities are most vulnerable to impacts from a changing climate and start to plan for resiliency. Attendees will tour historic buildings impacted by groundwater rising during extreme high tide events and provide examples of solutions implemented at the museum.*

### CHANGING NATURE – 400 YEARS IN THE PISCATAQUA REGION

**Gretchen Carlson, Program Manager, The Gundalow Company**

*Today, the nonprofit Gundalow Company's mission "to protect the Piscataqua Region's maritime heritage and environment through education and action" is more important than ever. Each year, thousands of people spend a few hours sailing onboard the world's only Piscataqua Gundalow. Attendees will explore issues like water quality, habitat protection, and stewardship. Our public sail programs include sunset sails, concert sails, speaker sails and more, all with a message that if you experience it – you will care about it, and if you care about it – you will protect it. A recently added exhibition in the Sheafe Warehouse, an historic waterfront warehouse, explores the past, present, and future of the Piscataqua River and Great Bay Estuary through text, images, and interactive displays. Our tour will include visiting the Gundalow docked on the Piscatqua River and experiencing the new Sheafe Warehouse exhibit.*