Long Island Sound Research Conference Program

Thursday, October 30, 2008

7:45 Registration & Poster Set-up

8:30 Welcome

Moderator – Ralph Lewis

8:45 **Paleo-enviromental Records from Long Island Sound: A Thousand Year Perspective:** Varekamp, et.al

9:00 **The Sedimentary Record of Sulfur Cycling in Long Island Sound: Implications for Future Remediation Efforts:** Ku, et.al

9:15 **The Nitrogen Isotope Biogeochemistry of Long Island Sound:** Altabet, et.al

9:30 **Connecticut Department of Environmental Protection Long Island Sound Ambient Water Quality Monitoring Program: Overview and Analysis of Program Data:** Olsen, et.al

10:00 **Inter-Annual Variations in Summertime Bottom Temperature and Bottom Dissolved Oxygen in Western Long Island Sound Over Six Decades:** Wilson, et.al

10:15 **Interannual Variability of Hypoxia in Western Long Island Sound:** McCardell, et.al

10:30 Break

Moderator – James O'Donnell

10:45 **State of the Sound: Water Quality Parameters and Planktonic Resources from 1988 to 2005:** Dam, et.al

11:00 **What Controls Summertime Hypoxia in Long Island Sound?** Dam, et.al

11:15 **Controls on the Formation of Bottom Water Hypoxia in WLIS: A Laboratory Experiment:** Cuomo, et.al

11:30 **Subtidal Variability of Dissolved Oxygen in Western Long Island Sound:** Gay, et.al

11:45 **Anoxia in the Thames River: Observations in Norwich Harbor:** Hacker-Gibson, et.al

12:00 **Impact of Anthropogenic Nitrogen Input on Long Island Sound (LIS) Water Quality:** Zhang

12:15 Lunch

Moderator – W. Frank Bohlen

1:30 **The Physical Oceanography of Long Island Sound:** O'Donnell

1:45 **Modeling Overtides in Long Island Sound:** Bennett, et.al

2:00 **Tidal and Residual Circulation in Long Island Sound**: Hao, et.al

2:15 **Lateral Structure and Daily to Seasonal Variability of Eastern Long Island Sound Near-Surface Temperature, Salinity and Chlorophyll:** Codiga, et.al

2:30 **The Seasonal Cycle of Thermohaline Circulation in Long Island Sound:** Crowley, et.al

2:45 **A Study on River Discharge and Salinity Variability in the Long Island Sound and Middle Atlantic Bight:** Whitney

3:00 Break

Moderator – Hans Dam

3:15 **Temporal and Spatial Variation of Phytoplankton Community in Long Island Sound:** Lin, et.al

3:30 **Spatial and Temporal Scales of Bloom Observations with Satellites in the Peconic Bay:** Szekielda, et.al

3:45 **Establishing the Dynamics and Causes of *Alexandrium Fundyense* Blooms, Cysts and Saxitoxins in Long Island Sound:** Gobler, et.al

4:00 **Detection of Organic Contaminants in the Thames River Estuary Using Passive Sampling Methods:** St. George, et.al

4:15 **Hydroxyl Radicals in Marine Sediments:** Arias-Esquivel, et.al

4:30 **Impacts of Physiography and Anthropogenic Activity on Accumulation of Organics and Heavy Metals in Western Long Island Sound Sediments:** McHugh, et.al

4:45 **Alkylphenols and Lobsters in Long Island Sound: Patterns, Mechanisms, and Consequences:** Jacobs, et.al

5:00 Poster Session

Temporal and Spatial Distributions of Benthic Forminifers in Western Long Island Sound: Acosta, et.al

Optical Characterization of Long Island Sound and Implications for Remote Sensing: Aurin, et.al

Promoting Best Management Practices for Marine Anglers Using Baitworms: Balcom

Management for Liatris scariosa var novae-angliae in a Coastal Meadow: Barrett and Barrett

Benthic Ecological Investigations in Western Long Island Sound: Benthic Invertebrate and Shellfish Population Assessments in and around Sheffield Harbor, Norwalk, CT: Blaschik and Whitlatch

Detection of Antibiotics in the Thames and Mystic Rivers: Doyle and Ward

The Residual Current Flow in Western Fishers Island Sound: Houk and O'Donnell

Tidal Currents and Friction over Large Marine Sand Waves in Eastern Long Island Sound: Jiorle and Whitney

Factors Controlling Bottom Dissolved Oxygen in Long Island Sound: Lwiza and Lee

Enhanced Sidescan-Sonar Imagery, North-Central Long Island Sound: McMullen, et.al

Long Term Trends in the Temperature of Long Island Sound. O'Donnell, et.al

Down-Slope Gravity Driven Movement of the Nepheloid Layer: Implications for Estuarine Environmental Health: Poppe, et.al

A Comparison of Particle Selection in the Eastern Oyster (Crassostrea Virginica) and Blue Mussel (Mytilus Edulis): Rosa, et.al

Monitoring Tidal Water Elevation and Quality in Wetland Embayments of Long Island Sound: Schubert, et.al

High Resolution Geophysical Survey of Western Long Island Sound Offshore New York; An Estuary Floor Shaped by Bottom Currents and Human Activity: Vargas, et.al

6:30 Dinner

Long Island Sound Research Conference Program

Friday, October 31, 2008

8:45 Welcome

***** Moderator - Carmela Cuomo

9:00 **Integrating Multi-Temporal Spectral and Structural Information to Map Wetland Vegetation in a Lower Connecticut River Tidal Marsh:** Gilmore, et.al

9:15 **Nutrient Effects and Marsh Drowning in Long Island Sound:** Anisfeld

9:30 **Changes in the Charles E. Wheeler Wildlife Refuge Salt Marsh in Milford, Connecticut:** Goggins, et.al

9:45 **Benthic Habitat Mapping in Long Island Harbors and Bays:** Cerrato, et.al

10:00 **An Ecopath Food Web Model for Long Island Sound:** Zajac, et.al

10:15 Break

Moderator – Robert Whitlatch

10:30 **Marine Aggregates Facilitate Ingestion of Nanoparticles by Suspension-Feeding Bivalves:** Ward, et.al

10:45 **The Nearshore Fish Community of Milton Harbor, NY over the Last Decade:** McEnroe, et.al

11:00 **Project Limulus; What Long Term Mark/Recapture Studies Reveal About Horseshoe Crab Population Dynamics in Long Island Sound:** Beekey, et.al

11:15 **An 11 Year View of the Invasive Crab, Hemigrapsus Sanguineus in the Western Long Island Sound Population Dynamics and Habitat Control of Abundance:** Kraemer

11:30 **Assessing Bait Worm Packaging as a Potential Vector of Invasive Species to Long Island Sound:** Haska, et.al

11:45 **Population Dynamics and Reproductive Phenology of the Invasive Rhodophyte Grateloupia Turturu in the Long Island Sound:** Kraemer, et.al

12:00 Closing Remarks – W. Frank Bohlen, Department of Marine Science