

NJ DEP'S 2021 VIRTUAL HAB SUMMIT

Speaker Bios and Additional Information

March 8, 2021



NEW JERSEY
DEPARTMENT OF
ENVIRONMENTAL
PROTECTION



KATI ANGARONE

Associate Commissioner,
Science and Policy
NJDEP

Kati Angarone has worked at the NJDEP for more than 20 years and currently serves as the Associate Commissioner for Science and Policy. This role works to develop a protective policy of New Jersey's environment and public health and ensure policy cohesion across the Department to furtherance the Department's priorities (e.g., Climate, Water, and Public Health). She oversees the Division of Science & Research, which provides scientific support to programs across the Department and other State agencies. In addition, her office includes the Offices of Environmental Public Health & Safety and the Office of Economic Analysis, which work closely with the New Jersey Department of Health on environmental public health issues and supports economic analyses performed during policy development.

Prior to assuming the Associate Commissioner role, Kati spent many years assisting with developing NJDEP's land-use policies, including stormwater management, habitat protection, flood hazard area controls, and the Highlands region's protection. She also spent several years at the Department focused on drinking water policy, including the adoption of new drinking water standards, prevention, and management of harmful algal blooms and water supply emergency response.



KERRY KIRK PFLUGH

Director,
Local Government Assistance
NJDEP

Kerry Kirk Pflugh is the Director for Local Government at the NJDEP. She is the Department's liaison between New Jersey's 565 Mayors, 21 counties, and the 75 programs in NJDEP. She is responsible for troubleshooting, helping officials navigate the agency, identifying the correct programs and people to resolve problems, conducting research to answer questions officials may have about permits, compliance with environmental regulations, and funding and financing opportunities to implement environmental projects and initiatives. She is also responsible for facilitating meetings between officials and agency personnel.

Prior to becoming Director, Ms. Pflugh was the Constituent Services Manager, responsible for communication planning, consultation, and internal communications coordination. Previously, she was the Manager for the Office of Watershed Education, Estuaries, and Monitoring, coordinating all the watershed education and communication programs for the Division of Watershed Management and a Research Scientist in the Division of Science for 13 years.

Ms. Pflugh's area of expertise is strategic communication planning focusing on citizen participation in environmental management decision making. She is the recipient of numerous awards, including Cabinet Liaison of the Year, New Jersey Conference of Mayors, April 2019; George Hammell Cook Distinguished Alumni Award for Outstanding Achievement in Professional and Civic Endeavors, April 2017; and The Elizabeth River/ Arthur Kill Watershed Association Appreciation Award, October 2016. Her work in fish consumption advisories earned her an Urban Hometown River Award from American Rivers for education. She also was the recipient of the Friends of the Hackensack River Award in 2001. She received an Assembly Resolution from the New Jersey General Assembly for her work on behalf of New Jersey citizens. Other honors include the Wave Award from the Association of Environmental Authorities in 1999 for the Harbor Watershed Education Urban Fishing program; the New Jersey State Customer Service Excellence Award in 2001; the Clean Water Award for the New Jersey Watershed Ambassador Program, and the USEPA Region 2 Environmental Quality Award for the Watershed Watch Network.





DR. JENNIFER GRAHAM

Research Hydrologist,
USGS New York Water Science Center

Jennifer Graham currently serves as the harmful algal bloom coordinator for the USGS Water Mission Area. She also represents the USGS on the Interagency Working Group on Harmful Algal Blooms and Hypoxia. Jennifer began her career with the USGS in 1999 as a Volunteer for Science working on harmful algal blooms at the Columbia Environmental Research Center. She worked there as a volunteer until 2005 when she became a Hydrologist at the Kansas Water Science Center. Jennifer joined the New York Water Science Center in 2018. She is a nationally recognized expert in cyanobacteria and associated toxins and taste-and-odor compounds. For over two decades, Jennifer has researched the environmental factors influencing cyanotoxins in the United States. She has conducted both regional and single system studies at a variety of spatiotemporal scales.



VICTOR PORETTI

Section Chief,
Bureau of Freshwater and Biological Monitoring
NJDEP

Vic Poretti is the Section Chief for the NJDEP Bureau of Freshwater and Biological Monitoring, where he oversees the sampling and analysis of freshwater monitoring throughout the State. The Bureau provides data and information to serve as a sound scientific foundation for water resource management and meet federal Clean Water Act requirements. The Bureau also performs all aspects of NJ's Cyanobacterial Harmful Algal Blooms (HAB's) freshwater response, including strategy development, sampling, and analysis, and communicating data and alerts to the public.





ALENA BALDWIN-BROWN

Communications Manager,
Division of Water Monitoring and Standards
NJDEP

Alena Baldwin-Brown currently serves as the Communications Manager for the NJDEP Division of Water Monitoring and Standards. In this role, she oversees all communications activities for the division, including web design and maintenance, report and outreach materials development/dissemination, and social media presence. This includes the Department's Harmful Algal Bloom website and related outreach/communications materials. Her main area of expertise is scientific communications, specifically taking results and data and turning them into information appropriate for various audiences. She also coordinates NJ Water Monitoring Council.

In her 34+ years with NJDEP, Ms. Baldwin-Brown has held various communications, policy advisor, and assistant-related positions in the

Division of Water Monitoring and Standards, Environmental Planning and Science, and the Division of Science and Research. She also served as a Legislative Analyst in the NJDEP Office of Legislation. She holds a Bachelor of Science in Biology from Trenton State College (now The College of New Jersey) and a Master of Science in Management from Thomas Edison State University.



RACHEL WHITE

Environmental Scientist,
Division of Water Monitoring and Standards
NJDEP

Rachel White is an Environmental Scientist in the NJDEP Division of Water Monitoring and Standards, where she works on water quality standards and restoration projects. She is also involved with coastal water monitoring through the Cooperative Coastal Monitoring Program and is interested in microplastics and other emerging contaminants. She serves as NJDEP's liaison to the HAB and Lakes Management Expert Team.





DR. BOB KORTMANN

Ecosystem Consulting Service

Dr. Kortmann is a native of North Jersey with fond memories of visiting its many lakes, especially Indian Lake in Denville. He earned his BS in Environmental Science at Rutgers, then a Masters in Botany at UConn. He then earned his Ph.D. in Applied Limnology and Ecosystem Ecology in an interdisciplinary program in the Biological Sciences, Natural Resources, and Engineering Schools at the University of Connecticut. He has worked on lakes and water supply reservoirs nationwide and as far away as Sao Paulo, Brazil.

Dr. Kortmann has published dozens of papers dealing with applied limnology and lake restoration. He invented several naturalistic lake restoration technologies, was awarded four US Patents, and was awarded the Technology Innovator Award by EPA Region 1 for inventing Layer Aeration.

He has sought the “Achilles Heel” of cyanobacteria over the past 45 years, and he found a few.



DR. JASON EARL ADOLF

Professor of Marine Science,
Monmouth University

Jason Earl Adolf, Endowed Associate Professor of Marine Science. BS, Roger Williams University; MS, University of Hawaii Manoa; Ph.D., University of Maryland College Park. Dr. Adolf’s research interests include phytoplankton ecology and physiology, Harmful Algal Blooms (HAB’s), and real-time continuous water quality monitoring. Dr. Adolf’s research uses combined field and laboratory approaches to address the impacts of environmental variability, including climate change, on ecosystems. He currently teaches within the Monmouth University BS program in Marine and Environmental Biology and Policy and highly values undergraduate students’ inclusion in his research.



DR. WEN ZHANG

Associate Professor,
Department of Civil and Environmental
Engineering, NJIT

Wen Zhang is currently an associate professor of NJIT's Newark College of Engineering in the Department of Civil and Environmental Engineering with a secondary appointment in the Department of Chemical and Material Engineering. Wen is a licensed Professional Engineer (P.E.) registered in the States of New Jersey and Delaware. He is an American Academy of Environmental Engineers and Scientists (AAEES) Board Certified Environmental Engineer (BCEE). Wen received his B.S. from Tsinghua University in 2004, M.S. from Tongji University in 2007, and Ph.D. from Georgia Institute of Technology in 2011. Dr. Zhang's research integrates nanotechnology into environmental engineering to develop innovative solutions for environmental

sustainability. His Ph.D. work focused on the environmental fate and transport of engineered nanoparticles, biological interactions, as well as nanomaterial characterization at biointerfaces. After joining NJIT, Wen has been leading significant efforts in the visible-light-driven photocatalytic processes for harnessing solar energy, hydrogen evolution, and efficient degradation of emerging water contaminants.



DR. FRED LUBNOW

Director,
Aquatic Programs
Princeton Hydro

Dr. Fred S. Lubnow is the Director of the Aquatic Programs at Princeton Hydro and the Exton, Pennsylvania office manager. Dr. Lubnow received his Bachelors of Science in Biology from Susquehanna University (1988), his Master's degree in Environmental Sciences (1992) from the University of California Davis, and his Ph.D. in Limnology (1994) from the University of California Davis. Dr. Lubnow has been an environmental consultant for over 26 years and has worked on various ecosystems throughout the Mid-Atlantic States. His areas of expertise include identifying algae and zooplankton, the management of Harmful Algal Blooms (HABs) and their associated cyanotoxins, the design and implementation of in-lake management strategies, and the development of watershed-based management plans that focus on non-point source pollution. Dr. Lubnow was the Region III Director of the North American Lake Management Society and the Pennsylvania Lake Management Society's Treasurer.

Dr. Lubnow is also an adjunct professor at Delaware Valley University, Doylestown, PA, where he teaches a course and laboratory on Watershed Management. In addition, Dr. Lubnow developed a professionally-credited course on the Management and Monitoring of HABs and Cyanotoxins in Raw Water Supplies. This course has been taught throughout Pennsylvania in conjunction with the Pennsylvania Department of Environmental Protection and the PA American Water Works Association.

Finally, Dr. Lubnow is one of the members of New Jersey's HAB Expert Team. They are conducting data reviews and assessments on the scientific literature on HABs to develop strategies on how to address such conditions in freshwater systems in New Jersey holistically.



HEATHER DESKO

Senior Watershed Protection Specialist,
New Jersey Water Supply Authority

Heather Desko is a Senior Watershed Protection Specialist for the New Jersey Water Supply Authority. She joined the Authority in 2009 after serving as an AmeriCorps NJ Watershed Ambassador. Heather manages the Authority's water monitoring programs, aquatic invasive species and harmful algal bloom projects, and River-Friendly Business and School certification programs. She is a member of the North American Lake Management Society (NALMS), the Mid-Atlantic Panel on Aquatic Invasive Species, the New Jersey Water Monitoring Council, and is on the Board of Directors of the Northeast Aquatic Plant Management Society (NEAPMS). Heather received both her B.A. in Environmental Science and M.A. in Energy and Environmental Analysis from Boston University in 2008.



DR. GARY BUCHANAN

Director,
Division of Science and Research
NJDEP

Dr. Buchanan is the Director of the NJDEP's Division of Science and Research, where he oversees multidisciplinary research and science-based technical support for the Department's programs. He is also responsible for the coordination and administration of the NJDEP Science Advisory Board, which provides the NJDEP Commissioner with independent peer review and advice on scientific and technical issues relevant to the Department's mission. He has conducted numerous field, laboratory, and research projects involving aquatic and marine ecology, natural resources, water quality, ecotoxicology, risk assessment, and hazardous waste site investigations. He was an environmental consultant for

16 years that included positions as the Deputy Program Manager under the USEPA Region 2 ARCS contract and the Operations and Assessment Section Chief under the USEPA Environmental Response Team's Response, Engineering and Analytical Contract (REAC). He has extensive management experience, including leading technical groups that have conducted numerous environmental, ecological, and ecotoxicological investigations at sites across the United States. He received B.S. and M.A. degrees in Biology from Montclair State College and a Ph.D. in Environmental Science from Rutgers University. He has more than 38 years of diverse environmental experience, including 22 with the NJDEP, with the past 12 years directing the Division of Science and Research.



DR. GLORIA POST

Research Scientist,
Division of Science and Research
NJDEP

Gloria Post has been a Research Scientist in the NJDEP Division of Science and Research since 1986. Her responsibilities include health effects evaluations and human health risk assessment of contaminants found in New Jersey's environment, and she had a major role in the development of the NJDEP recreational advisories for HABs and specific cyanotoxins. She is a member of the NJ Drinking Water Quality Institute, an advisory body established by NJ law to recommend drinking water standards to NJDEP, and she has been a major contributor the development of many NJ drinking water standards (MCLs). Dr. Post is the first author of the chapter on "Health and Aesthetic Effects of Drinking Water Contaminants" in the current edition of the AWWA Handbook of Water Quality & Treatment. She has focused on the evaluation of per- and polyfluoroalkyl substances (PFAS) in drinking water for over 15 years, and she is the first author of five, and co-author of three, publications on this topic, as well as the lead writer for the Human Health section of the Interstate Technology & Regulatory Council (ITRC) Technical and Regulatory Document on PFAS. Dr. Post has served on several EPA

Science Advisory Board and National Academy of Sciences panels, and she is a frequent reviewer of NIEHS grant proposals. She also represents NJDEP on the NJ Governor's Council for Prevention of Developmental Disabilities. Dr. Post has been a Diplomate of the American Board of Toxicology since 1990. She holds an A.B. with honors in Biochemical Sciences from Princeton University, a Ph.D. in Pharmacology from Thomas Jefferson University, and did post-doctoral research at Duke University. In 2010, she was the first recipient of the NJDEP Division of Science and Research Gail P. Carter Memorial Award for use of scientific expertise to improve NJ's environment, and she also received this award in 2014 and 2020. In 2014, she received the American Water Works Association-NJ Section annual award for ongoing contributions to drinking water research. In 2020, she received the New Jersey State Public Service Recognition Award for the Governor's Team of Excellence for commitment to public service by leading by example and helping to make NJ a fairer and stronger place to live and work.



KAREN STAINBROOK

Chief, Lake Monitoring & Assessment
New York State Department
of Environmental Conservation

Karen Stainbrook is a Research Scientist and the Chief of the Lake Monitoring and Assessment Section within NYSDEC's Division of Water. She directs several lake monitoring programs and contributes significantly to N.Y.'s harmful algal bloom (HAB) research initiatives, including action plan development, communications, research, and HAB mitigation projects. She has a Bachelor of Science in Wildlife Ecology & Management from Unity College and a Master of Science in Ecology from the State University of New York, College of Environmental Science and Forestry.





DR. ROB NEWBY

Research Microbiologist,
Division of Science and Research
NJDEP

Rob Newby, Ph.D. is a Research Microbiologist with the NJDEP's Division of Science and Research. Rob joined NJDEP in 2017 and has worked on several critical environmental microbiology projects for the State. Rob's primary research focus at NJDEP has been on characterizing and analyzing the dynamics and driving factors of freshwater cyanobacterial harmful algal blooms. Rob has served on many NJDEP led HAB expert panels, served as co-chair of the Management Practices section on the up-coming ITRC Harmful Cyanobacteria Bloom document, and serves as one of the state representatives to EPA RACT for HABs. Outside of HABs, Rob maintains an active research interest in several emerging microbial concerns, including SARS-CoV-2 environmental fate, Legionella spp. Colonization and detection in drinking water and molecular technologies to help rapidly detect and profile endangered and invasive species.



BRUCE FRIEDMAN

Director,
Division of Water Monitoring and Standards
NJDEP

Bruce Friedman is the Director of the NJDEP's Division of Water Monitoring and Standards. Mr. Friedman oversees the Bureau of Marine Water Monitoring, Bureau of Environmental Analysis, Restoration and Standards, and the Bureau of Freshwater and Biological Monitoring. The Bureau of Freshwater and Biological Monitoring, under Mr. Friedman's direction, oversees the Cyanobacterial Harmful Algal Bloom (HAB) Freshwater Recreational Response Strategy. Other programs under his leadership include marine water classification, aquaculture permitting, surface and groundwater quality standards, total maximum daily load development, water quality modeling, the AmeriCorps NJ Watershed Ambassador program, N.J.'s beaches, clean shores, and N.J.'s ambient Surface Water Quality

Monitoring networks. Mr. Friedman has been with the DEP for 32 years. He has worked in water enforcement, NJPDES permitting, and marine water monitoring before his position as Director of Water Monitoring and Standards.





DR. CHRIS OBROPTA

Director,
New Jersey Water Resources
Research Institute Rutgers University

Christopher C. Obropta, Ph.D., P.E, is the Director of the New Jersey Water Resources Research Institute, an Extension Specialist in Water Resources with Rutgers Cooperative Extension, and a Professor with the Department of Environmental Sciences at the School of Environmental and Biological Sciences, Rutgers University. Dr. Obropta leads a highly specialized staff from the Rutgers Cooperative Extension Water Resources Program to identify and address water resources issues by engaging and empowering communities to employ practical science-based solutions to create a more equitable and sustainable New Jersey. Over the last several years, he and his staff have been working with communities to implement green infrastructure practices throughout New Jersey.



ELLIOTT RUGA

Director,
Policy & Communications
New Jersey Highlands Coalition

Elliott Ruga has over 25 years of environmental and historic preservation advocacy experience. Working with the Coalition since November 2007, he leads the implementation of advocacy and educational campaigns; promotes policies that protect the Highlands natural and cultural resources at the municipal, county, regional, state, and federal levels; provides guidance to grassroots groups working to protect Highlands resources, and promotes municipal conformance with the Highlands Regional Master Plan. He has a professional background in communications and multi-media production, including 17 years at NBC, where he was the recipient of 2 Emmy awards.



NOAH HETZELL

Assistant Health Officer
Cumberland County Health Dept

Noah Hetzell is a 17-year veteran of the Cumberland County Health Department. During his tenure, he has worked in all levels of the Registered Environmental Health Specialist title. Between 2008 and 2011, he worked as a shared service between Cumberland and Salem Counties in a supervisory role over the environmental divisions. In 2012 he completed becoming a licensed New Jersey Health Officer and was promoted to Asst. Health officer shortly after that. As the Assistant Health Officer, Noah has oversight of Environmental Division, operational & staffing budget, coordinator of the Community Health Advisory Board, internship program development, and grant financial management for CEHA, RTK, Capacity & Resource Development tanning compliance.

Noah is also responsible for divisional policy development and enforcement, fleet management, and disciplinary enforcement for both union and non-union employees.

Noah enjoys skiing and fishing with his 8-year-old son Gaige and competitive trail running with his wife Melissa in his spare time. Noah and Melissa currently own and manage a small horse farm where Bridgeton, New Jersey, lives.



ERIC WILSUSEN

Mayor of Jefferson Twp.

Eric Wilsusen is a lifelong 56 year resident of Jefferson Township, growing up and residing in the Township Lake Shawnee section. Eric retired as the Deputy Chief of Police in the Jefferson Township Police Department in 2016 after 31 years of service. He currently works for the R.C. Diocese of Paterson as the Director of Child and Youth Protection. Eric took office as Mayor of the Township of Jefferson in 2019, serves as the President of the Lake Shawnee Club since 2007, and is a Commissioner on the Lake Hopatcong Commission since 2016.



CHELSEA BROOK

Executive Assistant,
WRM Assistant Commissioner's Office
NJDEP

Chelsea Brook is the assistant to the Water Resource Management Assistant Commissioner Pat Gardner. Chelsea started her NJDEP career in 2004, after working for a few years in environmental consulting. She joined the NJDEP as an environmental specialist in the Division of Water Supply & Geoscience's Bureau of Water Allocation & Well Permitting. She later joined the Division's Director's office and recently joined the Assistant Commissioners' Office. Chelsea has a bachelor's degree in environmental health from Salisbury University and a master's degree in environmental science from Rutgers University.



DR. SUZANNE DELORENZO

Supervisor,
Laboratories and Water Analysis
Passaic Valley Water Commission

Suzanne DeLorenzo graduated cum laude from Monmouth University in New Jersey with a Bachelor of Science degree in Biology. She then continued to earn her Master of Science degree in Biomedical Science at the University of Medicine & Dentistry of New Jersey and her Ph.D. in Environmental Science and Engineering from Oregon Health & Science University in Portland, Oregon. Her thesis work focused on using stable isotope probing to examine inorganic carbon assimilation in microorganisms under hypoxic conditions. While completing her Ph.D., she accepted a Water Quality and Conservation Manager position at Clackamas River Water (CRW) in Clackamas, OR. There she focused on regulatory compliance, drinking water legislation, emergency management, and public communications. Dr. DeLorenzo served as Vice-Chair and Chair of the Oregon Water Utility Council (OWUC), Oregon/Idaho Trustee on the Pacific Northwest Section of the American Water Works Association (AWWA) Board, and is

currently a member of the AWWA Water Utility Council. She served on the Governor's Drought Task Force, Integrated Water Resources Strategy Advisory Panel, Cyanotoxin Work Group, and provided expert testimony to the Oregon Legislature regarding cyanotoxins regulation PFOS/PFOA compounds, and watershed management. Her research focused on integrating advanced molecular techniques into source water monitoring to anticipate water quality and process control changes. She was awarded the Special Districts Association of Oregon Outstanding Employee Award for her work, considered the highest professional acknowledgment within the local government's realm in Oregon. Dr. DeLorenzo returned home to New Jersey in 2020. She is currently the Supervisor of Laboratories and Water Analysis at Passaic Valley Water Commission (PVWC), where she continues her research.



GENE CHEBRA

Assistant Director,
Municipal Finance and Construction
NJDEP

As Assistant Director, Gene Chebra N.J.P.E. is responsible for administering and managing the New Jersey Environmental Infrastructure Financing Program (N.J.E.I.F.P.) or Water Bank. In partnership with the New Jersey Infrastructure Bank, the N.J.E.I.F.P. awards low-cost financing to qualifying applicants for the construction of critical environmental infrastructure projects such as wastewater collection, conveyance, and treatment facilities; combined sewer overflow reduction, and stormwater and other nonpoint source pollution abatement projects; potable water conveyance and treatment facilities and lead service line replacement projects. To date, over \$9 Billion has been awarded through this highly successful program, not only improving the environment of New Jersey but creating thousands of jobs as well.



PATRICIA GARDNER

Assistant Commissioner,
Water Resource Management
NJDEP

Pat Gardner serves as the Assistant Commissioner of Water Resource Management, overseeing Water Monitoring and Standards, Water Quality, and Water Supply and Geoscience. She has worked in environmental protection for more than 30 years, starting her career with the D.E.P. in the Radiation programs. She joined the Water Resource Management program six years ago. In Water Resource Management, Pat served as Director of the Division of Water Supply & Geoscience for 4½ years and Director of the Division of Water Monitoring & Standards for 1½ years. Her efforts in Water Resource Management have focused on the revision of the long-term monitoring strategy; restoration grant program; assessment of the implementation of the Safe Drinking Water regulations, with an emphasis on the Lead and

Copper Rule; emergency response; water supply planning; water infrastructure; and the development of maximum contaminant levels.

She has served on various councils and boards, including the Delaware River Basin Commission, the New Jersey Water Supply Authority, and the Drinking Water Quality Institute.

As a career D.E.P. employee, Pat has a strong belief in public service and the protection of public health, safety, and the environment.





ADDITIONAL INFORMATION

HAB-Related Funded Projects

The Evaluation of Innovative Measures to Prevent, Mitigate and/or Control HABs in Lake Hopatcong)

Grantee:
Lake Hopatcong Commission

Implementation and Evaluation of Several Innovative In-Lake Management Techniques to Prevent, Mitigate and Control HABs in Lake Mohawk, Sussex County

Grantee:
Lake Mohawk Preservation Foundation

HAB Prevention at Rosedale Lake

Grantee:
Mercer County Park Commission

Nutrient Reduction Measures in Belcher Creek to Reduce HABs in Greenwood Lake

Grantee:
Greenwood Lake Commission

Ultrasonic Algae Control Treatment - Water Supply Reservoirs Serving the Pequannock Water Treatment Plant (WTP)

Grantee:
City of Newark Department of Water and Sewer Utilities

Spruce Run Reservoir Innovative Biochar Installation to Mitigate HABs

Grantee:
New Jersey Water Supply Authority

Budd Lake Aquatic Herbicide and Weed Harvesting

Grantee:
Township of Mount Olive

Mechanical removal of HABs in lakes using air micro nano bubbles from a specialized floating platform

Grantee:
New Jersey Institute of Technology

Lake Hopatcong Crescent Cove Aeration

Grantee:
Borough of Hopatcong

Update and Quantify the Internal Phosphorus Load and Implement Four Projects to Reduce Phosphorus in Lake Hopatcong

Grantee:
Lake Hopatcong Commission

HAB Prevention: Green Infrastructure Improvements and Stormwater Control at the Lee's Marina County Park

Grantee:
Morris County Park Commission

Watershed Restoration and Protection Plan for Budd Lake

Grantee:
Raritan Headwaters Association

Creation of a Lake Protection and Watershed Management Plan for Lake Topanemus

Grantee:
Lake Topanemus Park Commission

Watershed Restoration and Protection Plan for the Spruce Run Watershed

Grantee:
New Jersey Water Supply Authority

Development of a Lake Protection and Watershed Management Plan for Twilight Lake, Ocean County, NJ

Grantee:
Borough of Bay Head

Swartswood Lakes Nonpoint Source Watershed Management Plan

Grantee:
Swartswood Lakes and Watershed Association

Swartswood Lake Aeration System Investigation and Upgrade

Grantee:
Swartswood Lakes and Watershed Association

For additional information on any of these projects, please visit:
<https://www.state.nj.us/dep/wms/bears/2019grants.htm>

Phycocyanin Field Meter Loan Program

For more information on the Phycocyanin Field Meter Loan Program, please contact Victor Poretti at victor.poretti@dep.nj.gov

For more information about financing opportunities, please visit the NJDEP Water Bank website - https://www.nj.gov/dep/dwq/mface_njeifp.htm

Financing Options for HABs

For more information about financing opportunities, please visit the NJDEP Water Bank website - https://www.nj.gov/dep/dwq/mface_njeifp.htm

Additional HAB Information

To download HAB data, pls visit <https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=561a697f0b594258a4b2e7f2d23e30b7>

The Interstate Technology Regulatory Council (ITRC)

The Interstate Technology Regulatory Council (ITRC) technical document on Harmful Cyanobacteria Blooms (HCBs) has been completed and released publicly in Spring 2021. The ITRC HCB workgroup was comprised of experts in academia, local, State, federal officials, and various key stakeholders. The document serves as both a primer to HCBs, monitoring and communicating the risk associated with blooms and evaluating different intervention or prevention strategies to control blooms in various waterbody types. Various training modules are slated to be conducted on the entire document and specific areas of concern within the document. Please check itrcweb.org for training and document release date.