



FINAL

NJ Water Monitoring Council

Measuring What Counts for Clean & Plentiful Water

MAY 25, 2022, 10:00 am – 2:00 pm

MEETING AGENDA

Virtual TEAMS Meeting

- **10:00 Welcome** – Jenna Krug (DEP/DWMSP, NJWMC Coordinator)
- **10:00-10:30 Council Business, Member Updates & Upcoming/Recent Conferences, Symposiums and Workshops** – Co-chairs Bob Schuster (DEP/DWMSP) & Heather Heckathorn (USGS NJWSC)
 - January 26, 2022, Meeting Minutes
 - Next Council Meeting: September 28 (DRBC or virtual or hybrid)
 - Session Topic Recommendations: Barnegat Bay/Wetlands, HABs, CECs, others?
 - Council Business Announcements
 - Council Member Updates and Discussion
 - Recent Conferences:
 - March 2-4; 2022 Northeast Aquatic Biologists Conference (NAB), Portland, ME
 - March 30-31; 2022 Mid-Atlantic Aquatic Biologists Meeting (AMAAB), virtually hosted by NJDEP
 - May 14-20: 2022 NALMS Joint Aquatic Sciences Meeting, Grand Rapids, MI
 - *Others?*
 - Upcoming Conferences, Symposiums and Workshops:
 - 2023 hybrid conference of the National Water Quality Monitoring Council, April 24-28 (CT or VA) – Call for Sessions (due June 10); *Leslie McGeorge*
 - Northeast Aquatic Plant Management Society Plant Camp, Sept 13-15, 2022, Cold Spring, NY (\$150); <https://www.neapms.org/neapms-plant-camp>
 - *Others?*

SESSION TOPIC: eDNA and its Potential Applications

- **10:30-12:00 Morning Speaker Session**
 - 10:30 **eDNA: A Primer and Deployment**, *Rob Newby*, NJDEP DSR
 - 10:50 **Monitoring of Aquatic and Marine Invasive Species in New Jersey: Validation Using eDNA Detection Methodology**, *Joseph Bilinski*, NJDEP DSR
 - 11:10 **Using Environmental DNA for Surveillance and Monitoring of Aquatic Invasive Species**, *Julie Lockwood*, Rutgers University (<http://www.lockwoodlab.com/rutgers-edna-lab>)
 - 11:30 **eDNA and *Hydrilla***, Michael Tessler, St. Francis College & American Museum of Natural History
 - 11:50 *Q&A with Speakers and Group Discussion*
- **12:10-12:40 LUNCH BREAK**
- **12:40-14:00 Afternoon Speaker Session**
 - 12:40 **Fish Monitoring Using Environmental DNA (eDNA)**, *John Vile*, NJDEP BFBM
 - 13:00 **Current Lab Protocols for Detecting Fish Species with eDNA to Optimize Sensitivity and Reproducibility**, *Greg Hinks*, NJDEP DFW Marine Fisheries
 - 13:20 **An Overview of EPA eDNA Work in Aquatic Ecosystems**, *Erik Pilgrim*, US EPA Ecosystem Condition Branch, Watershed & Ecosystem Characterization Division
 - 13:40 *Q&A with Speakers and Group Discussion; Council Business Reminders and Wrap-Up*