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NJ Water Monitoring Council

Measuring What Counts for Clean & Plentiful Water

MEETING MINUTES

September 28, 2022, 10:00 am – 2:00 pm

Virtual TEAMS Meeting

MEMBER ATTENDEES (Alphabetical by Organization) & GUESTS

AFFILIATION	MEMBERS & GUESTS
American Littoral Society	Zach Nickerson
Barnegat Bay Partnership	Jim Vasslides, Nicole Petersen
Brick Township Municipal Utilities Authority	Will Ruocco
Delaware River Basin Commission	John Yagecic (steering committee)
Great Swamp Watershed Association	
Interstate Environmental Commission	
Meadowlands Research and Restoration Institute	Ying (Cheryl) Yao
Monmouth County Health Department	
Monmouth University, Urban Coast Institute	Jason Adolf
Montclair State University	Meiyin Wu
Musconetcong Watershed Association	Christa Reeves
NJDEP Division of Water Monitoring, Standards & Pesticide Control: Bureaus of Marine Water Monitoring, Freshwater & Biological Monitoring, Environmental Analysis, Restoration & Standards, Pesticide Compliance & Enforcement	Bob Schuster (co-chair), Jenna Krug (coordinator), Vic Poretti (steering committee), Bruce Friedman, Chris Kunz, Deborah Kratzer, Biswarup Guha, Brian Taylor, Brian Henning, Marina Jackson, Tracy Fay, John Vile, Aaron Stoler, Anne Alleger, Yaso Sivaganesh, Crystal Carillo
NJDEP Division of Water Quality	Marzooq Alebus
NJDEP NJ Geological & Water Survey, Division of Water Supply & Geoscience	Ray Bousenberry (steering committee), Catherine Jedrzejczyk
NJDEP Division of Science & Research	Joseph Bilinski (<i>speaker</i>)
NJDEP Site Remediation & Waste Management	
NJDEP Quality Assurance	Greg Raspanti
NJDEP Division of Fish & Wildlife	
NJ Department of Military and Veterans Affairs, Environmental Management	Sarah Helble
NJ Department of Health, Environmental & Chemical Laboratory Services	Loel Muetter
NJ Harbor Dischargers Group	
NJ Pinelands Commission	
NJ Sea Grant Consortium	Peter Rowe
NJ Water Supply Authority	Heather Desko, Kyle Clonan
NOAA Northeast Fisheries Science Center	
NY/NJ Baykeeper	Allison Fitzgerald

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Raritan Headwaters Association	Kristi MacDonald, Emily Mayer
Rutgers (Cooperative Extension Water Resources Program & NJ Water Resources Research Institute)	Lisa Galloway Evrard
Rutgers (Bioenvironmental Engineering Program)	
Rutgers (Institute for Marine and Coastal Sciences)	
Stockton University	Christine Thompson
The Watershed Institute	
US EPA R2, Monitoring & Assessment	Carol Lynes (steering committee), Rita Isabel Matos
USGS NJ Water Science Center	Heather Heckathorn (co-chair), Pam Reilly, Zoltan Szabo
Member Emeritus	Leslie McGeorge (NJDEP), Alena Baldwin-Brown (NJDEP), Bob Reiser (USGS)
Guests	Michelle Hatfield (Watershed Ambassador), Sue Livingston (WMA3), Swarna Muthukrishnan (Clean Ocean Action), Joe (Guest), Kayley Tezbir (Watershed Ambassador), Lijie Zhang (NJIT), WMA17 Rep

- **10:00 Welcome** – Jenna Krug (DEP/DWMSP, NJWMC Coordinator)
- **10:00 - 10:20 Council Business, Member Updates & Upcoming/Recent Conferences, Symposiums and Workshops** – Co-chairs Bob Schuster (DEP/DWMSP) & Heather Heckathorn (USGS NJWSC)
 - **Approval of Minutes from May 25, 2022 Meeting;** Bruce Friedman moved to accept, Ray Bousenberry seconded; minutes approved as presented
 - **Next Council Meeting: January 25, 2023 (virtual or hybrid at DRBC)** – John Yagecic noted that DRBC is opening back up for in-person meetings so both are possibilities, will be discussed and decided at the next Steering Committee meeting
 - Session Topic Recommendations: Barnegat Bay/Wetlands, HABs, CECs, Invasive species, *Trainings (QAPP Development; Invasive Species Identification, Lean 6 Sigma, Data Collection/Storage/Sharing, etc)*, others? – Christa Reeves suggested Aquatic Invasives species, specifically interested in discussing a centralized information platform and alert system (it was suggested to contact Ian Pflugsten from USGS for ideas on an alert system) and process, workshop(s) on AIS, she is willing to present on New Zealand Mud Snails with hands-on examples, Heather Desko seconded AIS and offered to discuss Hydrilla, other suggested included zebra mussels, HD noted that September would be a good time for presenting live specimens, she recently worked on Plant Camp and having live specimens worked well
 - JK asked for folks to show interest in this topic by giving a thumbs up, 10-15 others were also interested
 - **Council Business Announcements** – HH presented the following update regarding membership:
 - Retirements – Marilyn Sobel from the Pinelands Commission; spot is currently vacant
 - EPA Staff changes – Phil Cocuzza (now Section Chief, MOS) → Carol Lynes is the new Branch Chief
 - New members – Anne Alleger – NJDEP DWMSPC, Bureau of Pesticide Compliance & Enforcement
 - BF noted the addition of 1 position at NJDEP Bureau of Marine Water Monitoring and 3 positions at Bureau of Freshwater and Biological Monitoring, and congratulated BFBM on their recently received the NALMS 2022 Award for advancement in lake management technologies.
 - **Recent and Upcoming Conferences, Symposiums and Workshops** – HH reviewed all recent and upcoming events listed below:

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- (R) *Northeast Aquatic Plant Management Society Plant Camp*, Sept 13-15, 2022, Cold Spring, NY (\$150); <https://www.neapms.org/neapms-plant-camp> - HD noted her participation in the camp.
- (U) *Barnegat Bay Partnership State of the Bay Conference*, Free, **September 29th** 9-12p at Ocean Cnty College
- (U) *2022 New Jersey Invasive Species Conference*, FoHVOS NJ Invasive Species Strike Team, October 5, 2022 at Duke Farms, \$100, Registration required. <https://www.eventbrite.com/e/2022-new-jersey-invasive-species-conference-tickets-403453950627>
- (U) *2022 Fall Shedfest* – Raritan Headwaters Music Festival, October 2, 2022, Fairview Farm Wildlife Preserve
- (U) *11th US Symposium on Harmful Algae*, October 23-28, 2022, Albany, NY – <https://hab.whoj.edu/save-the-date-11th-u-s-symposium-on-harmful-algae-oct-23-28-2022/>
- (U) *NALMS 42nd International Symposium*, Nov 14-17, 2022, Minneapolis, MN; *Abstracts deadline 9/2*
- (U) *MAC-AFS Annual Meeting*, Asbury Park, Nov 15-16, 2022, <https://mid-atlantic.fisheries.org/2022-annual-meeting/>, Abstract submission deadline October 14.
- (U) *Webinar, Nov 19 2:30-3:30 NWQMC* – Volunteer Monitoring: Macroinvertebrates.org, Free, pre-registration required, more info at https://acwi.gov/monitoring/webinars/vm_webinar_macroinvertebrates- org-1119.pdf
- (U) *Northeast Aquatic Plant Management Society Conference*, January 10-12 in Cape Cod, MA. Call for papers currently open through Oct 4th <http://www.neapms.org/abstract-submittal-1/>
- (U) *PDE Delaware Estuary Science & Environmental Summit 2023*, Jan 30 – Feb 1, Atlantic City, NJ - <https://delawareestuary.org/delaware-estuary-science-and-environmental-summit/>; *Abstracts deadline 9/16*
- (U) *13th National Monitoring Conference*, hosted by National Water Quality Monitoring Council, EPA, USGS, NOAA, and NALMS. April 24-28, 2023, Virginia Beach, VA. Themes, proposed sessions & abstract submittal found here <https://www.nalms.org/2023nmc>. Abstracts now due **Sept. 30th**. – Leslie McGeorge (retiree) noted that abstract deadline was extended and are due Sept. 30th
- *Others?* – Email to jenna.krug@dep.nj.gov for sharing

➤ **10:20 - 10:35 NJDEP DSR Update** – Joe Bilinski, *Aquatic Invasive Species Management Plan*

- JB discussed the development of the AIS Management Plan for the state of NJ. He noted that NJ is 1 of 6 states without a plan in place and that having a plan provides opportunity to leverage federal funds for AIS Management. He also noted that EDDS Maps is the database for reporting AIS. They will be holding a kick-off meeting, reach out to Heather Desko or Joe if interested in attending.

➤ **10:35 - 10:40 Announcement: Member Workgroup** – Heather Desko, *Reinvigorating the Aquatic Invasive Species Decontamination Protocols Workgroup*

- Heather discussed reinvigorating of the AIS Decontamination Protocols Workgroup, a workgroup formed pre-pandemic to create an AIS decontamination protocol recommendation document for the state. It will be reconvening this month to try to finish what was started, the completed document will be included in the AIS Management Plan. Email Heather D or Jenna K if interested in being involved with the workgroup.

➤ **10:40 - 11:00 Presentation** – Bob Schuster, *Revisiting the history and purpose of the NJ Water Monitoring Council*

- Bob spoke about the history and purpose of the NJ Water Monitoring Council and pointed out that the purpose of doing the Council Member roundtable today was to introduce everyone as there has been a bit of turnover in the past few years with retirements and new members and to share information about what each group is doing, where they are working, etc. to try to foster

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member relationships and collaboration. If you want to learn more about the Council's members, mission and previous meetings, you can visit the website at <https://www.nj.gov/dep/wms/wmcchome.html>.

➤ **11:00 - 12:00 Council Member Roundtable Updates & Discussion: Each group will be given 3 minutes each to introduce themselves and their organization, and discuss the following questions as it pertains to your group:**

- 1. What is your water monitoring objective – who is it for, what is its purpose?**
- 2. What are some of the challenges you face? Gaps/Needs?**
- 3. Does NJDEP/USGS/Others currently provide assistance with your water monitoring projects/programs?**

Member Organization and Representative(s):

- NJDEP Division of Water Monitoring, Standards & Pesticide Control – *Bruce Friedman, Director* – Bruce introduced himself and gave an overview of the layout of the Division. You can learn more about the DWMSPC and the work that they do at <https://www.nj.gov/dep/wms/>.
- Bureau of Marine Water Monitoring – *Bob Schuster (Co-Chair)* - Bob discussed all of the work that they do at BMWM and mentioned that BMWM has available lab work opportunities, reach out to Bob for more information.
- Bureau of Freshwater & Biological Monitoring – *Vic Poretti (Steering Committee), Jenna Krug (Coordinator), Brian Henning* – Vic discussed all of the work that BFBM does and he mentioned that the BFBM also has available lab work opportunities, reach out to Vic for more information. He also mentioned gaps – FW tidal tribs, staffing; opportunity to work with Council members to fill geographical gaps.
- Bureau of Environmental Analysis, Restoration & Standards – *Helen Pang* – Debbie Kratzer on behalf of BEARS – they use everyone's data for analysis and standards development, data is qualified into tiers based on who's data it is and collection method; need to develop a database for continuous data (currently working on it with Rutgers).
- Bureau of Pesticide Compliance & Enforcement – *Anne Alleger* – BPCE is new to the reorganized Division of Water Monitoring, Standards & Pesticide Control and Anne is joining the Council to represent the water monitoring work that the Bureau does, which mainly involves a groundwater well network in South Jersey, particularly in high agricultural areas; they identify pesticides of interest and concern and have conducted sampling in conjunction with BFBM on the presence of neonicotinoids in surface and ground water, which led to legislation banning the use of neonics. She noted staffing challenges.
- NJDEP NJ Geological & Water Survey (Division of Water Supply & Geoscience) – *Ray Bousenberry (Steering Committee), Jeff Hoffman, Catherine Jedrzejczyk* – Ray introduced NJGS & Water Survey, they study surface and ground water, cooperative programs with USGS and Pesticides. They are conducting climate change related studies; and funding is a challenge because they never want to drop anything for long-term pattern tracking. Data is kept in NWIS.
- NJDEP Division of Science & Research – *Nick Procopio (Steering Committee), Sandra Goodrow & Rob Newby* – Not present.
- NJDEP Site Remediation & Waste Management – *MaryAnne Kuserk* – Not present.
- NJDEP Division of Water Quality – *Marzooq Alebus* – Most of their data comes from permittees and most data is collected during the summer low flow conditions. Focus is on wastewater. They work with USGS a lot, rely heavily on USGS for flow data; contact Marzooq if anyone would like to see their data as they store all of their data in house but are looking to share in other ways.

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- NJDEP Office of Quality Assurance – *Greg Raspanti* – OQA is involved with the lab analysis portion of data collection, reviews all QAPPs submitted to DEP, ensures accurate, reliable and useable data; contact Greg with any questions regarding QAPPs.
- NJDEP Division of Fish & Wildlife – (***Vacant***)
- USGS NJ Water Science Center – *Heather Heckathorn (Co-Chair), Pam Reilly, Zoltan Szabo* – Heather discussed and overview of their 5 mission areas; federal, local, public and state agencies, and academia; ‘science for a changing world’; Zoltan & Pam discussed data gaps and other projects; gaps include emerging contaminants, radionuclides (road salt), mobilizing radium (Zoltan is a national expert if any questions related to radionuclides and radium); non-technical challenges include staffing, supply chain, navigating processes and standards of a national agency, and communication (eg. Best practices); local partnerships and sharing of information, resources, lab capabilities and funding is critical to USGS science.
- NJ Department of Military and Veterans Affairs, Environmental Management – *Sarah Helble* – Sarah works in the Environmental Management branch of DMAVA, it’s a very small office of 7 employees for the multitude of federal, state, local projects; it was noted that it’s good to have contacts around the state in case they every need anything when in the field; they’ve worked with BFBM and others to monitor for pfas at military sites, and recently has partnered with Sea Girt, Stockton and Conserve Wildlife to manage piping plovers and monitor beach wrack line macroinvertebrates for food availability and whether lifeguards driving on the beach is affecting wrack presence and communities. Worked with scientists in CA to discuss monitoring methods and analysis. Contact Sarah with any questions related to DMAVA Environmental Sampling.
- Delaware River Basin Commission – *John Yagecic (Steering Committee), Namsoo Suk* – monitor lower Delaware River Basin, produce water quality assessment report, status and trends report, state of basin and state of estuary report; almost entirely grant funded; rely heavily on EPA grants but have been successful in getting some others. Challenges involve staffing. Several of their projects involve real-time data collection- links were shared in chat (see Appendix A).
- US Environmental Protection Agency Region 2, Monitoring & Assessment – *Carol Lynes (Steering Committee), Rita Isabel Matos* – Carol has replaced Phil Cocuzza’s position on the Council and Steering Committee. Rita has replaced Jim Kurtenbach and will start to get everything Jim worked on back up and going. William (Bill) Storm to replace Emily Nering. It was noted that they are working on rebuilding the ambient programs with NJDEP (NLA/NRSA, RMN), etc.
- Interstate Environmental Commission – *Evelyn Powers* – Not present.
- NJ Pinelands Commission – (***Vacant***)
- NJ Water Supply Authority – *Heather Desko & Angela Mostwill* – Heather – grateful for veracity of context covered during meetings. Angela is out on maternity leave currently. Worked with Greg to certify methods for DO, works on HABs and AIS, a variety of sampling efforts, rely on partnerships, consistent funding, hands in a bit of everything and work with all to reach water quality goals.
- NOAA Northeast Fisheries Science Center – *Matthew Poach* – Not present.
- Meadowlands Environmental Research Institute → Meadowlands Research and Restoration Institute (MRRI) – *Cheryl Yao* – work in the Meadowlands region, climate change/SLR, conducting regional water monitoring since 1993; AIS – eDNA, isotopic capabilities; challenges include funding and staffing – specialists to support monitoring projects; also mentioned was EPA citizen science monitoring project and data exchange. Contact Cheryl with any questions regarding MRRI.
- NJ Department of Health, Environmental & Chemical Laboratory Services – *Doug Haltmeier, Loel Muetter* – Loel discussed the lab analysis portion and capacity at NJDOH; samples from NJDEP entities and USGS are submitted regularly to DOH for analysis.
- Rutgers Institute for Marine and Coastal Sciences – (***Vacant***)

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- Rutgers Cooperative Extension Water Resources Program & NJ Water Resources Research Institute – *Lisa Galloway Evrard & Chris Obropta* – Not present.

➤ **12:00-12:30 LUNCH BREAK**

- **12:30-12:35 Presentation – Vic Poretti, 2022 HABs Update** – Vic reported that 2022 had a record number of HABs with less false alarms than previous years. 88 advisory postings and 6 warnings (high toxin levels); threshold 2 ug/L microcystin; BFBM lab is certified for microcystin analysis; BFBM has obtained a new instrument for monitoring HABs in lakes – a YSI HyCat water drone – can take multiple layers of data, showed an example of bathymetry and chlorophyll a dataset from the HyCat. BFBM won the NALMS 2022 Award for advancement in lake management technologies.

- **12:35-13:05 Council Member Roundtable Updates & Discussion Continued: group will be given 3 minutes each to introduce themselves and their organization, and discuss the following questions as it pertains to your group:**

- 1. What is your water monitoring objective – who is it for, what is its purpose?**
- 2. What are some of the challenges you face? Gaps/Needs?**
- 3. Does NJDEP/USGS/Others currently provide assistance with your water monitoring projects/programs?**

Member Organization and Representative(s):

- Rutgers Bioenvironmental Engineering Program – *Eric Vowinkel* – Not present.
- Montclair State University – *Meiyin Wu* – lab focuses on phytoplankton and HABs, certified 546/544 methods, conducts tissue analysis – cyanotoxins in tissue samples; identify and prioritize stream crossings as safe for wildlife passage and to prevent flooding; they offer HAB education programs free of charge and have an in-house HAB citizen science monitoring program. Contact Meiyin if interested in learning more about the education or citizen science programs.
- Stockton University – *Christine Thompson* – works with the marine science program at Stockton. Field stations to primarily study and monitor water quality, habitat restoration sites, oysters, lower Barnegat Bay and Mullica River Great Bay, deploys water monitoring buoys; could use better monitoring and analysis equipment, but works closely with BMWM for chlorophyll and nutrient analysis and give students experience working with DEP.
- Monmouth County Health Department – (***Vacant***)
- American Littoral Society – (***Vacant***)
- Musconetcong Watershed Association – *Christa Reeves* – works on American shad, uses electroshocking and eDNA side by side; working to fill gaps with continuous monitoring data; *E. coli* source tracking in the Musconetcong, mainly caused by leaky septic. Lake Hopatcong and Musconetcong partnerships – tackle as a whole; Community driven science; watershed side HAB monitoring collaborate with Watershed Institute and DEP; hold trainings; road salt monitoring-roundtable late November; challenges include funding, mostly grants; data gaps include climate change and continuous database. Also noted USGS middle musky with trout unlimited, Heather H noted she'd like to be involved.
- The Watershed Institute – *Erin Stretz* – Not present.
- Raritan Headwaters Association – *Emily Mayer & Kristi MacDonald* – Emily discussed some of the projects that RHA is involved with including fish kills and chemical spills, their data is shared with the public and with academia; produce an annual watershed report card; climate station program – 5 stations with their watershed-interactive dashboard; gaps and challenges include funding and staffing,

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documentation and presence of AIS, guidance on WQX (technical challenge), riparian buffers, green infrastructure, working local municipalities to get them on board with local projects; works with DEP, EPA, USGS and others to get data and for planning information.

- Great Swamp Watershed Association – *Sandra LaVigne* – Not present.
- Barnegat Bay Partnership – *Jim Vasslides & Nicole Petersen* – Jim noted that Barnegat Bay is an estuary of national significance. Water quality and supply within 2021 conservation and management plan. 3 long-term continuous monitoring stations. Coastal acidification parameters recently included – near real-time data, archived at DEP telemetry page, work closely with DEP BMWM; challenges include standardizing SOPs and finding appropriate labs for coastal acidification monitoring.
- NY/NJ Baykeeper – *Allison Fitzgerald* – Not present.
- NJ Harbor Dischargers Group – *Gregory Alber* – Not present.
- Brick Township Municipal Utilities Authority – *Will Ruocco & Rob Karl* – Will noted that they work in the Metedeconk and Brick Reservoirs, 90 square miles contributes to Barnegat Bay (headwaters in Freehold and Jackson), short and long-term analysis; use WQDE for data sharing; challenges include finding labs for emerging contaminants; road salts and climate change, quickly growing municipality and how to deal with the fast population growth; saltwater intrusion/SLR and pipes; makes many warn DEP calls and works with land use and BFBM.
- Monmouth University Urban Coast Institute – *Jason Adolf & Jim Nickels* – Jason shared a link for their explorer map. Coastal lake monitoring – citizen science program; challenges include funding for the citizen science program and lab analysis, shifting from monitoring to monitoring and restoration.
- NJ Sea Grant Consortium – *Peter Rowe* – work closely with Rutgers Cooperative Extension to conduct water monitoring; offer research RFP's for developing tools and projects; work with state, clean water act, pump out vessels; works with Stevens Institute on living shorelines – salt marshes, oyster reefs, etc. which can also help to improve water quality; contact Mike Denko for HAB lake management brochures, booklets and trainings.

➤ 13:05-14:00 Group Discussion

- ***We want to hear from you*** – *How can the NJ Water Monitoring Council contribute more or better to the water monitoring projects/programs in your group/organization? Training/Workshop ideas? Are there any other ideas/suggestions for the Council Steering Committee to consider? Are there any other groups/organizations who are not currently members but may benefit from membership?*
 - Bob noted a key theme in challenges was the need for staffing and funding, and how it could be possible to leverage this group to cover some of those gaps, especially when looking for specialists. Meiyin seconded what Bob said and also suggested to consider using students to help fill gaps; good for students to be able to gain the experience and low cost for groups; suggested reaching out to academic partners to find appropriate projects for students. Debbie K. also suggested checking with the Watershed Ambassador program.
 - Christa R. brought up data dashboards, and the possibility to centralize those links and uncertified data. Jason A. noted example from HAB expert team and that there's a lot to learn about when looking across the state. Meiyin also noted the need for consistent and coordination of data sharing and communication to use consistent methods; centralizing database to make sure parameters overlap.
 - Will R. noted the vast expanse of expertise and knowledge on the Council and need to share/collaborate and suggested the Slack platform for collaborating and sharing ideas.
 - Leslie M. suggested updating the Council goals or adding new goals that include enhanced assessment of data.
 - Debbie K. noted that data certification for universities and community water monitoring groups can get expensive, perhaps looking into funding opportunities to cover the

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certification fees or to look into whether OQA could waive fees to assess/certify data. John Y. questioned the opportunity for a collective QAPP to help cut down costs associated with data/lab certification and project planning, and also suggesting QAPPs are a big hurdle for some groups. Having a collective QAPP for similar monitoring projects could be helpful. Would require coordination with EPA. Carol L. noted that she used to work with quality assurance and QAPPs and that you can have a generic or overarching/umbrella QAPP that can be simply amended with site specific information; and that this sort of thing is encouraged by EPA. Jenna needs to gauge interest by all in creating a generic qapp for the Council.

- Heather Desko reiterated interest in conducting an AIS workshop and any other hands on workshops and/or “field trips” – where groups can hold a field trip for other Council members to share new technology (e.g., HyCat) or methodology, etc.
- ***14:00 Council Business Reminders and Wrap-Up***
 - Next meeting will be held on January 25, 2023 either virtually or at DRBC
 - Reminder to send Jenna anything you’d like to share widely with the Council, session topic ideas, and any upcoming conferences, workshops, etc.
 - Meeting adjourned at 14:00

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Appendix A. ***TEAMS Chat Transcript***

NJ Water Monitoring Council Meeting – September 28, 2022, Virtual via Microsoft Teams, 10 am – 2 pm

[9/28 9:51 AM] 9/28 9:51 AM Meeting started

[9/28 10:11 AM] Emily Mayer

I could do AIS workshop on aquatic plant ID in the future (not January 2023) late summer next year at one of these meetings.

like 3

[9/28 10:14 AM] Christa Reeves

Is there anything in the works for a layer on NJ GeoWeb for AIS?

like 2

[9/28 10:14 AM] Heather Desko

Ian Pflingsten from USGS

like 1

[9/28 10:15 AM] Heather Desko

Christa Reeves

Is there anything in the works for a layer on NJ GeoWeb for AIS?

Christa, this is a great idea for the state AIS management plan 😊

[9/28 10:16 AM] Emily Mayer

Maybe a topic could be on EDD Maps? I don't know if NJDEP is still utilizing this for AIS reports. NYSDEC has something similar called iMaps.

like 1

[9/28 10:17 AM] Poretti, Victor [DEP]

Thanks.

[9/28 10:28 AM] Matos, Rita Isabel

Sorry folks, one more thing, EPA is hosting a free virtual fish forum in the winter/spring of 2023, you can find more information on <https://www.epa.gov/fish-tech/2023-national-fish-forum>

like 2

[9/28 10:30 AM] Heather Desko

slide isn't advancing

[9/28 10:30 AM] Matos, Rita Isabel

we can only see the intro

intro

same thing

[9/28 10:31 AM] James Vasslides

cover slide, but there is an advance arrow

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[9/28 10:31 AM] Swarna Muthukrishnan (Clean Ocean Action)

yes

[9/28 10:37 AM] Heather Desko

<https://www.eddmaps.org/>

like 1

EDDMapS

[9/28 10:51 AM] Heather Desko

hdesko@raritanbasin.org

like 1

[9/28 11:09 AM] Bob Reiser (Guest)

The link to the NWQMC webinar on Volunteer macroinvertebrate monitoring states the date is Tuesday Nov 19th, 2022. The 19th is a Saturday. Looks like the link is for a webinar from 2019. But there is a recording of the 2019 webinar on their website

like 2

[9/28 11:11 AM] Bob Reiser (Guest)

Actually there is no link to this webinar on the site.

[9/28 11:12 AM] Friedman, Bruce [DEP]

I'm going to need to jump off for other commitments. Great job as always! Welcome to all new members!

like 1

[9/28 11:12 AM] Krug, Jenna [DEP]

Welcome, Anne!

[9/28 11:13 AM] Krug, Jenna [DEP]

Thanks, Bruce!

[9/28 11:14 AM] Alleger, Anne [DEP]

Krug, Jenna [DEP]

Welcome, Anne!

Thanks Jenna!

[9/28 11:36 AM] Lynes, Carol

Can you scroll down on the agenda a bit more. Thank you.

like 1

[9/28 11:43 AM] Helble, Sarah [DMAVA]

Sarah.Helble@dmava.nj.gov

like 1

[9/28 11:47 AM] Yagecic, John [DRBC]

<https://drbc.net/Sky/waterq.htm>

[9/28 11:47 AM] Yagecic, John [DRBC]

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<https://drbc.net/Sky/flows.htm>

Delaware River Basin Commission|DRBC Home Page

Home Page

[9/28 11:47 AM] Yagecic, John [DRBC]

<https://www.drbc.net/Sky/uptemp.htm>

Delaware River Basin Commission|DRBC Home Page

Home Page

[9/28 11:47 AM] Krug, Jenna [DEP]

Welcome, Carol!

[9/28 12:03 PM] Heckathorn, Heather A

Cheryl Yao (Guest)

[9/28 12:03 PM] Lynes, Carol

Thank you. Great to be part of the NJ Water Monitoring Council.

heart 3

[9/28 12:10 PM] Heckathorn, Heather A

Back at 1230

[9/28 12:10 PM]

Heather Desko left the chat.

[9/28 12:55 PM] Reilly, Pamela A

Hi Christa - Let's talk about the temp study, jankowsk@usgs.gov

like 1

[9/28 12:55 PM]

Unknown user was invited to the meeting.

[9/28 12:57 PM] wum@montclair.edu (Guest)

Pam and Christa, We continue to find elevated pH values in comparison with prior years. Any interest in a pH study?

like 1

[9/28 12:57 PM] Christa Reeves

You know I'm in, Meiyin

like 1

[9/28 12:58 PM] Christa Reeves

Musconetcong Watershed Data Dashboard <https://www.musconetcong.org/water-quality-data>

Water Quality Data | MWA

[9/28 1:12 PM] Adolf, Jason

https://jadolf-phab-apps.shinyapps.io/CLONet_data_explorer/

CLONet Data Explorer

[9/28 1:12 PM] James Vasslides

I have to jump off for another meeting, but thank you all for the program highlights, and we look forward to continuing this great collaboration!

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like 1

[9/28 1:14 PM] Adolf, Jason

<https://jadolf-phab-apps.shinyapps.io/dologgers/>

like 1

[9/28 1:14 PM] Adolf, Jason

https://jadolf-phab-apps.shinyapps.io/deal_outflow/

like 1

[9/28 1:19 PM] Lisa Galloway Evrard

Sorry! Lisa Galloway Evrard here from RCE Water Resources Program & NJWRRI - I'm on another call! It sounds like Pete Rowe has us covered!

like 2

[9/28 1:30 PM] Adolf, Jason

Meiyin's point is a good one. Some of our undergraduates at MOnmouth University would be thrilled to do projects in collaboration with DEP!

like 2 heart 1

[9/28 1:31 PM] Reilly, Pamela A

I agree!!

[9/28 1:32 PM] Krug, Jenna [DEP]

Agree, thanks so much for bringing that up, Meiyin!

like 1

[9/28 1:33 PM] Kratzer, Deborah [DEP]

Yes, I love the idea of creating a way to access the different community water monitoring data dashboards. This fits into the services we want to provide through our grant to the Watershed Institute.

like 1

[9/28 1:33 PM] wum@montclair.edu (Guest)

Anytime!

[9/28 1:33 PM] Heckathorn, Heather A

Adolf, Jason (External)

Meiyin's point is a good one. Some of our undergraduates at MOnmouth University would be thrilled to do projects in collaboration with DEP!

Adolf, Jason and USGS?

[9/28 1:50 PM] Heather Desko

We pay almost \$2k a year for our lab certification + PT tests

[9/28 1:50 PM] Thompson, Christine

Thanks, Deb, this was a challenge I didn't mention, but one of the setbacks we had with our water monitoring grants

[9/28 1:51 PM] wum@montclair.edu (Guest)

We also pay every year to have our lab certified. The fee is calculated based on how many groups of parameters that your lab is applying for certification

FINAL

[9/28 1:52 PM] Emily Mayer

Depending on how many sites you have for duplicate sampling testing can become expensive (which is part of our QAPP). We have 72 sites and we outsource our samples for analysis, so it is can become very costly for us at RHA.

[9/28 1:52 PM] wum@montclair.edu (Guest)

Thank you, Deb. It would certainly be helpful if the lab fee can be waived.

[9/28 1:57 PM] Nicole Petersen

we also use umbrella qapps for wetlands monitoring across projects and with partners

[9/28 1:58 PM] Guha, Biswarup [DEP]

The council could develop a form based app which creates the QAPP based on the generic version.
like 3

[9/28 1:58 PM]

Sue Livingston WMA3 (Guest) left the chat.

[9/28 2:00 PM] Christa Reeves

Great meeting

[9/28 2:00 PM] Adolf, Jason

thanks, all!

[9/28 2:00 PM] Matos, Rita Isabel

Thank everyone!

[9/28 2:00 PM] Emily Mayer

Thanks so much!

Heather Desko9/28 2:01 PM

Thank you!! 😊

[9/28 2:01 PM] Swarna Muthukrishnan (Clean Ocean Action)

Thank you.

[9/28 2:01 PM] Alleger, Anne [DEP]

Thank you!

[9/28 2:15 PM]

9/28 2:15 PM Meeting ended: 4h 25m 58s