

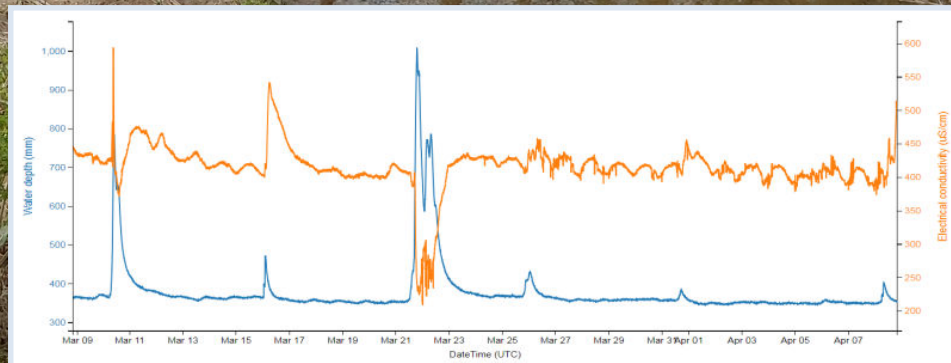
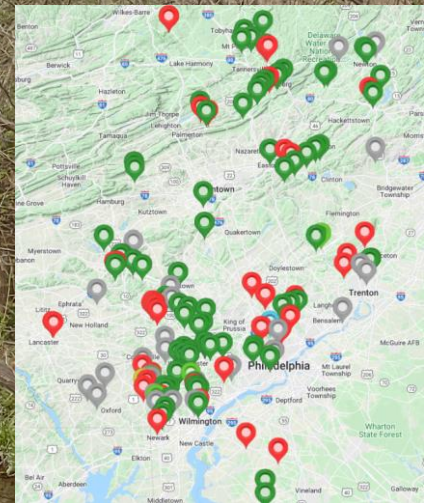
WELCOME!

EnviroDIY and monitoring in the DRB monthly meeting

Online, Thursday April 18, 2024, 2:30-3:30p



 Monitor My Watershed[®]



These Monthly Meetings

- Learning, communication, discussion, questions about:
 - **EnviroDIY monitoring stations** and associated data (Conductivity, Water Temperature, Water Depth, Turbidity)
 - **Stream monitoring** in general and specifics, e.g., synoptic sampling (“snapshots”)
 - **Freshwater ecology** – concepts, data, etc.
 - **Data to Action** – using data to inform watershed management
 - **Tools and Resources** for understanding watersheds, e.g., Wikiwatershed tools
 - **Other** related watershed topics, e.g., conservation, environmental education

Today's Agenda

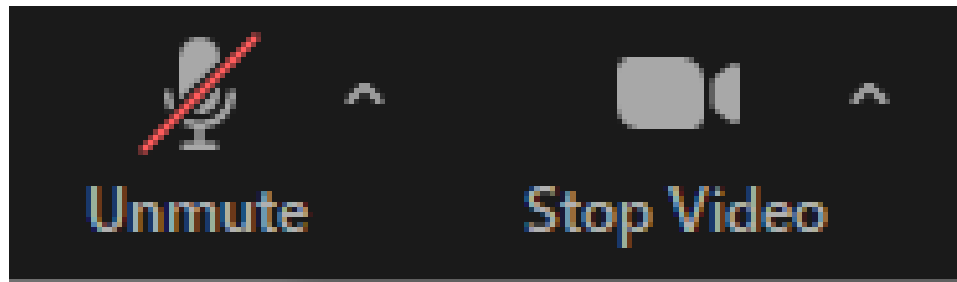
1. Introduction
2. Stroud Updates
3. Local Policy/Practice Workgroup Updates
4. Presentation – **Stream temperature monitoring and example applications in the middle Delaware basin, Dr. Keith Fritschie**
5. Discussion
6. Conclusion



Zoom Orientation



***Meeting is being recorded**



***Please mute when not speaking to the group**

These Monthly Meetings

Recordings available at: <https://wikiwatershed.org/drwi/>

The image shows a YouTube video player interface. At the top left is the YouTube logo. A search bar is located at the top center. The video content features a blue banner with the text "WELCOME! Monthly EnviroDIY-DRWI User Group Meeting Online, Thursday February 17, 2021, 2:30-3:30p". Below the banner are several images: a water quality monitoring station in a stream, a snow-covered stream, a map of the region with green and red location markers, and a line graph showing data over time. The video player includes standard controls like play/pause, volume, and a progress bar. Below the video, the title "February 2022 EnviroDIY-DRWI Monthly Meeting" is displayed, along with "24 views • Feb 17, 2022". Interaction buttons for like, dislike, share, and save are visible. At the bottom left is the channel name "Stroud Water Research Center Videos" with 571 subscribers, and a red "SUBSCRIBE" button is at the bottom right.

These Monthly Meetings

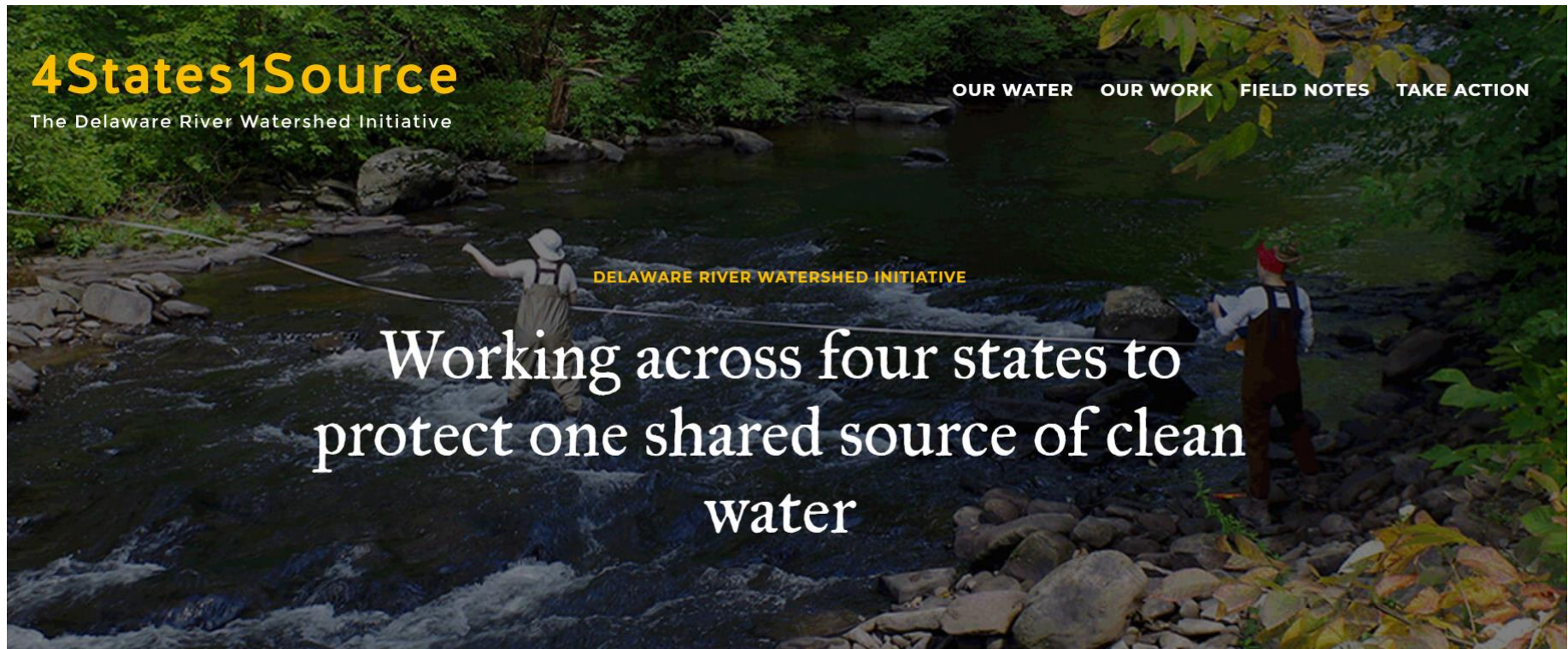
- Every third Thursday of the month
- 2:30-3:30p
- Zoom link will remain the same:
<https://us02web.zoom.us/j/81881801310?pwd=eUFmbXZLbmRibVcxa1dtNVhzRmNvZz09>
- Reminder email one week prior to each month's meeting
 - All are welcome, please share
 - And let us know if others should be added

REMINDER

- Attendees include:
 - Groups working in Delaware River Watershed Initiative (DRWI)
 - Groups working in Delaware River Basin (DRB) but not DRWI
 - Folks from outside the DRB
- Stroud Center support via DRWI and C-SAW

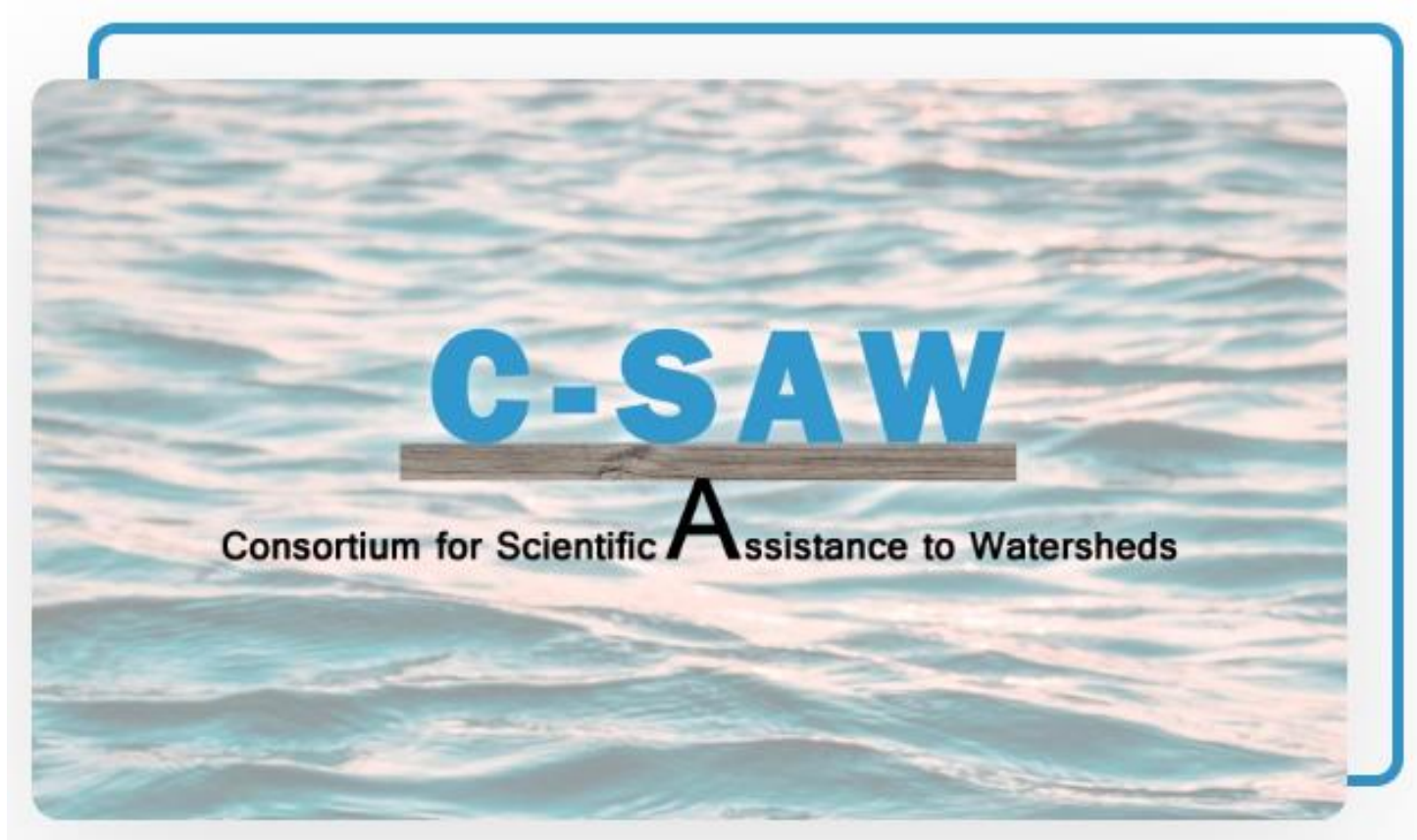
Delaware River Watershed Initiative (DRWI)

<https://4states1source.org/>



C-SAW

<https://www.c-saw.info/>



Stroud Center project personnel

Stroud Center team:

David Bressler



Community science
facilitator

Christa Reeves



Northern DRB technician
and collaborator

Shannon Hicks



Research Engineer,
Mayfly and EnviroDIY
Inventor/Designer

Stroud Center project personnel

Master Watershed Steward Facilitators:

Carol Armstrong



Joe Debes, George Seeds



Master Watershed
Steward Program



PennState Extension

Stroud Center project personnel

Stroud Center DRWI Leads:

Dr. John Jackson



Senior Research Scientist

Matt Ehrhart



Director of Watershed Restoration

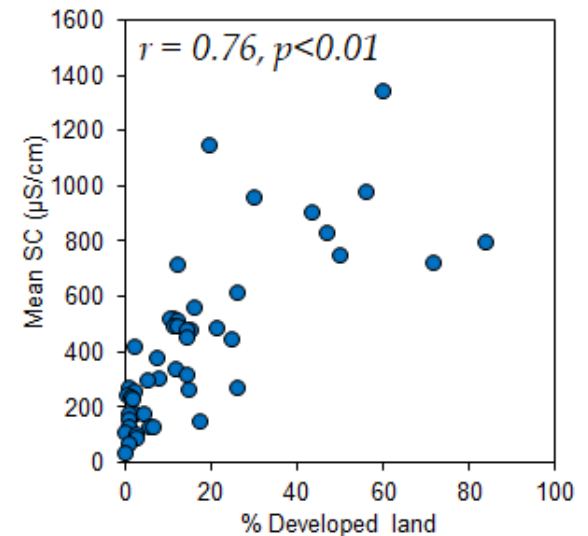
Dr. David Arcscott



Executive Director, President
Research Scientist

Stroud Center Perspective – EnviroDIY in the DRB

- Primary Goal
 - Support Station owners, managers, and volunteers
 - Use stations for local purposes
- Secondary Goal
 - Analyze basin-wide data set
 - Develop tools to characterize and contextualize watersheds



Updates

- Updates from the Stroud Center on EnviroDIY, science and monitoring, communications, etc.

Stroud Center support

- Stroud Center community science support
 - Salt (chloride and conductivity) and temperature synoptic sampling (“snapshots”)
 - Monitoring project design, methods, etc.
 - Data interpretation, evaluation
 - Watershed education
 - Other – lots of other freshwater ecology topics
- **Please feel free to be in touch*

If you want, send your photos and stories



Email or Text to:

- Diane Huskinson (dhuskinson@stroudcenter.org; 717-383-1179)
- Dave Bressler (dbressler@stroudcenter.org; 410-456-1071)

Local Policy/Practice Workgroup

- **Current leadership:**

- Ian Brastow, Lopatcong Creek Initiative/New Jersey Highlands Coalition (NJ)
- Dave Manning, PA Master Watershed Steward and Schuylkill Water Steward with Green Valleys Watershed Association (PA)
- Steve Tricarico, Tulpehocken Creek Watershed Association, member Bern Township planning committee (PA)
- Christa Reeves, Musconetcong Watershed Association (NJ)
- Alex Jackson, Township Supervisor (PA)
- Joe Debes, PA Master Watershed Steward and Stroud Center volunteer (PA)
- Carol Armstrong, PA Master Watershed Steward (PA)
- Tali MacArthur, PA Environmental Council (PEC)/PA Organization for Watersheds and Rivers (POWR)(PA)

- **Support:**

- David Bressler, Stroud Water Research Center (PA)

- ***Meetings: 1st Thursdays, 11:00a – 12:30p (Zoom, <https://zoom.us/j/5889670619>)***

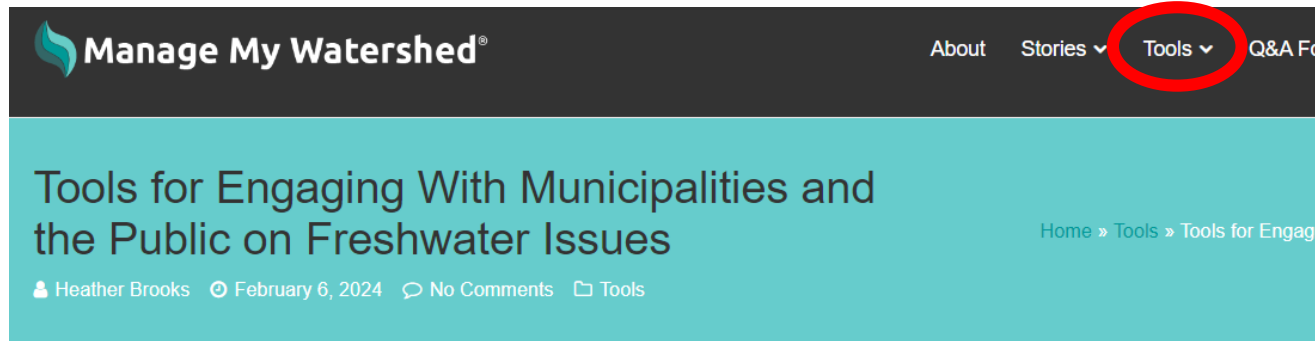
Updates from Local Policy/Practice Workgroup

Guidance Document Updates

- How to engage with municipal leaders (Ready for use)
- Putting Stream Temperature Data To Work (Ready for use)
 - One-pagers (some available but not posted yet, some in development)
- Putting Conductivity Data To Work (In development)
 - One-pagers (some available but not posted yet, some in development)

Updates from Local Policy/Practice Workgroup

Two guidance documents are now available: <https://managemywatershed.org/>



The Delaware River Basin Policy and Practice Workgroup has developed a number of documents to provide foundational science references for environmental advocates who are collecting stream data and who wish to communicate results to local government officials.

The target readership for these documents is the stream monitoring community in the Delaware River Basin, but the workgroup hopes others may benefit as well.

The workgroup strongly believes that environmental advocates must have a clear understanding of the science and the issues under discussion. Therefore, the documents are written with sufficient detail and rigor to enable advocates to engage in confident and informed dialogue.

Guidance Documents

- [How to Engage With Municipal Leaders](#)
- [Putting Stream Temperature Data to Work](#)

Feedback

If you have questions or comments about the documents, please leave a reply on this post.

Updates from Local Policy/Practice Workgroup

- Session at the Watershed Congress, Saturday March 23, 2024:

Community scientist development of technical and advocacy resources for watershed health

Watershed Congress, Saturday, March 23, 2024

**Video recording will
be available soon**

Presenters

- Carol Armstrong
- Dave Manning
- Joe Debes
- Tali MacArthur
- Christa Reeves
- David Bressler



Any questions before we move on?



Today's Presentation

Stream temperature monitoring and example applications in the middle Delaware basin



Keith Fritschie, PhD
Watershed Planner
Vermont DEC Water Investment Division

Mentors currently available

- Carol Armstrong (MWS), mnem.np@gmail.com, 610-659-7477
- Joe Debes (MWS), j_debes@msn.com,
- Christa Reeves (Musconetcong Watershed Association/Stroud Center), christa@musconetcong.org, 727-520-5849

Conclusion

Next month's meeting will be on:

Thursday May 16, 2024
2:30-3:30p

Onward!

Stroud Water Research Center contacts:

- David Bressler, dbressler@stroudcenter.org, 410-456-1071
- Shannon Hicks, shicks@stroudcenter.org, 610-268-2153 x267
- Christa Reeves, christa@musconetcong.org, 908-537-7060

Master Watershed Stewards contacts:

- Carol Armstrong, mnem.np@gmail.com, 610-659-7477
- George Seeds, geoseeds@verizon.net, 484-886-9586