

# WELCOME!

## EnviroDIY and monitoring in the DRB monthly meeting

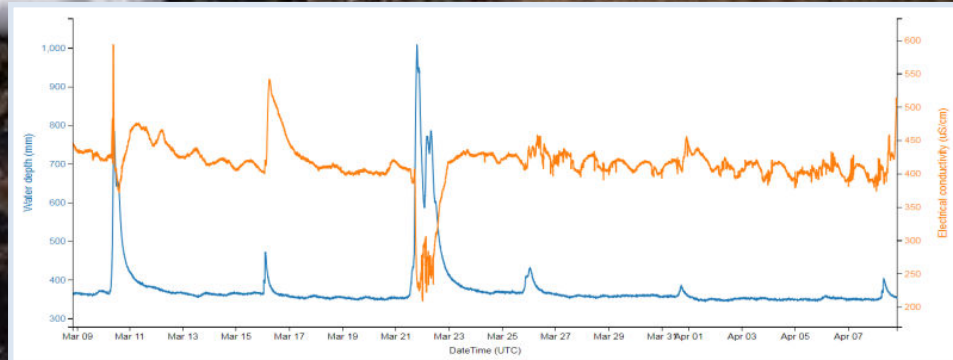
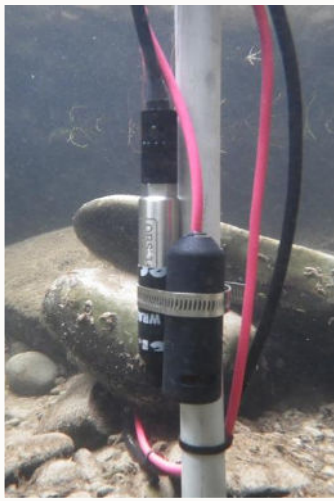
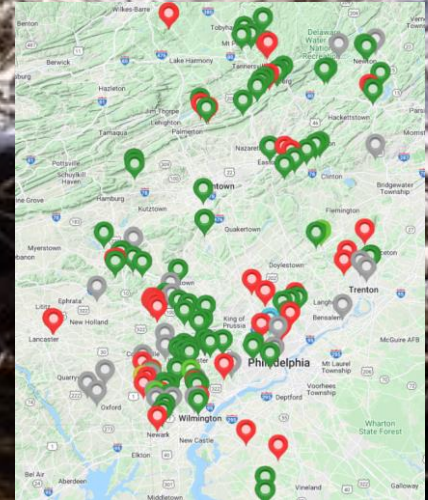
*Online, Thursday February 15, 2024, 2:30-3:30p*



EnviroDIY



Monitor My Watershed®



STROUD  
WATER RESEARCH CENTER

# These Monthly Meetings

- Learning, communication, discussion, questions about:
  - **EnviroDIY monitoring stations** and associated data (Conductivity, Water Temperature, Water Depth, Turbidity)
  - **Stream monitoring** in general, 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

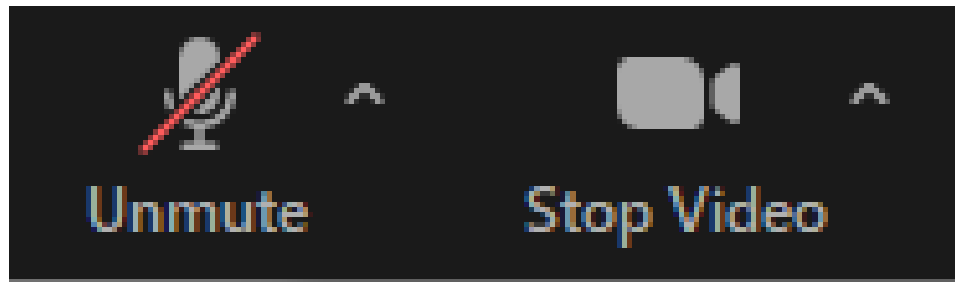
1. Introduction
2. Stroud Updates
3. Local Policy/Practice Workgroup Updates
4. Presentation – **Using Model My Watershed, an overview and a case study**
5. Discussion
6. Conclusion



# Zoom Orientation



**\*Meeting is being recorded**



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



# These Monthly Meetings

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

YouTube

Search

**WELCOME!**  
**Monthly EnviroDIY-DRWI User Group Meeting**  
*Online, Thursday February 17, 2021, 2:30-3:30p*

EnviroDIY

Monitor My Watershed®

STROUD

February 2022 EnviroDIY-DRWI Monthly Meeting

24 views • Feb 17, 2022

1 DISLIKE SHARE SAVE ...

Stroud Water Research Center Videos  
571 subscribers

SUBSCRIBE

# These Monthly Meetings

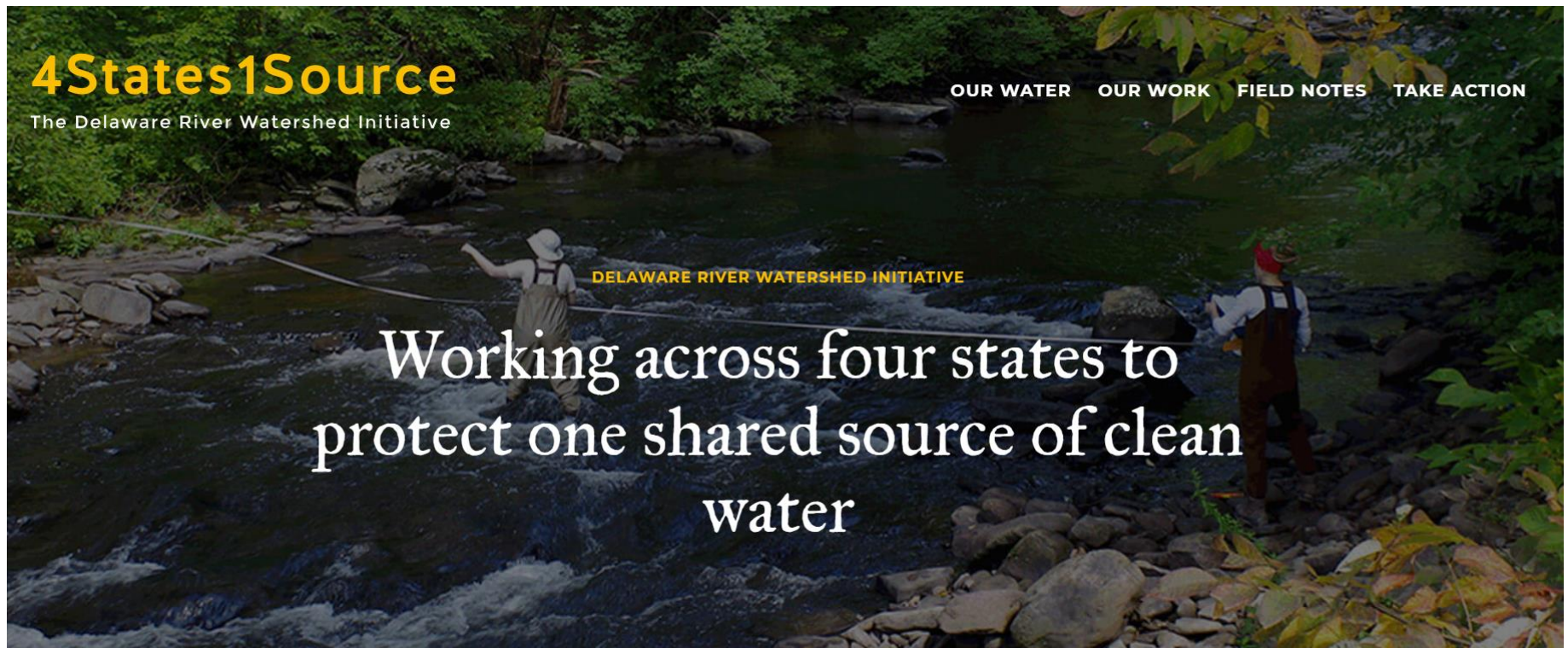
- Every third Thursday of the month
- 2:30-3:30p
- Zoom link will remain the same:  
<https://us02web.zoom.us/j/81881801310?pwd=eUFmbXZLbmRibVcxa1dtNVhzRmNvZz09>
- Reminder email one week prior to each month's meeting
  - All are welcome, please share
  - And let us know if others should be added

# 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)

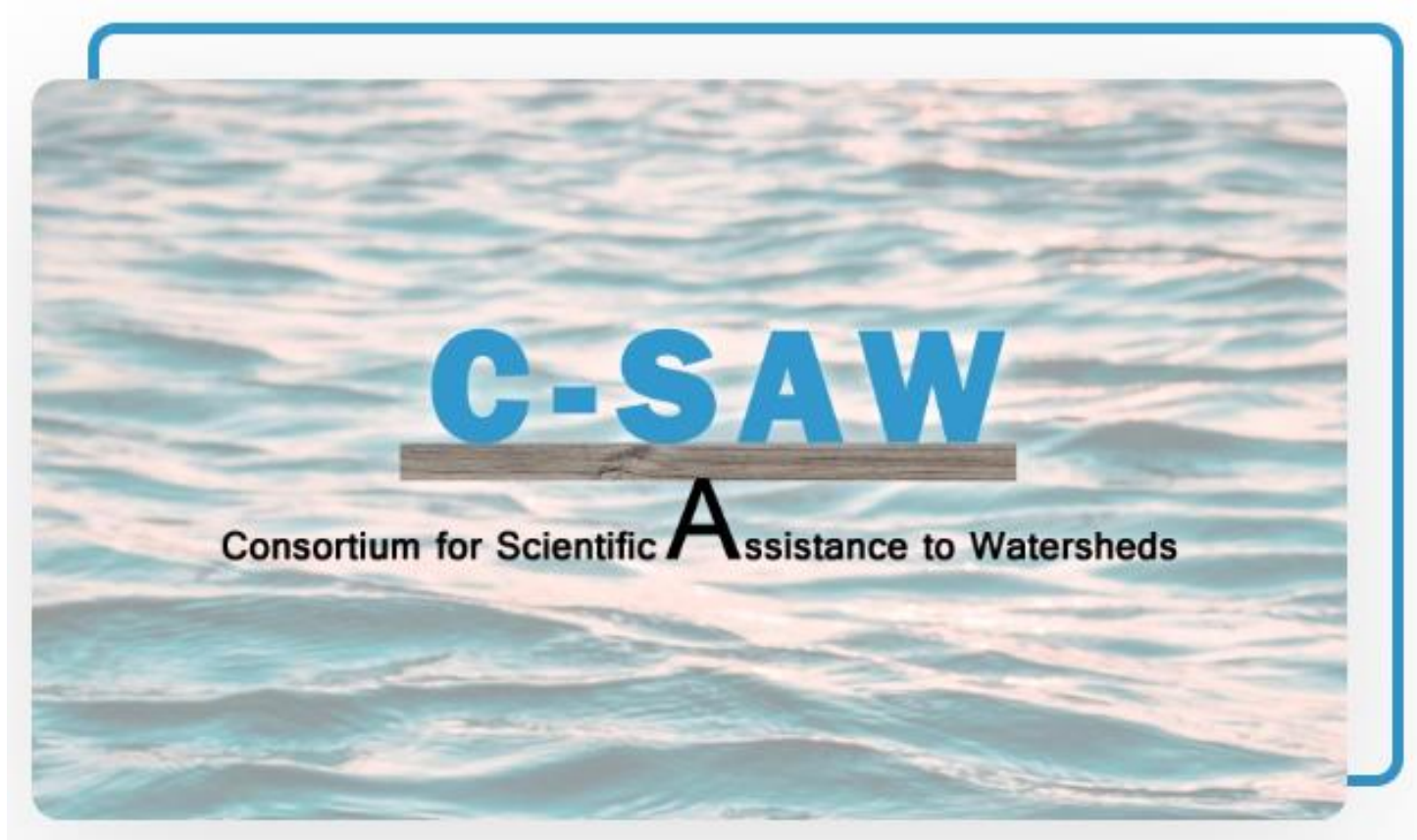
<https://4states1source.org/>





# 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 Arscott

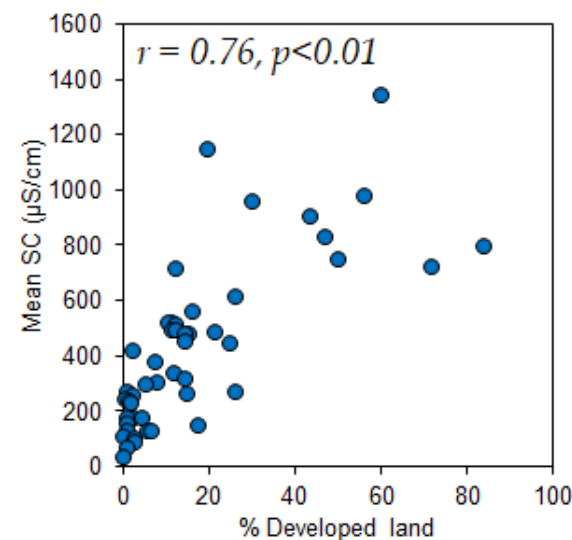


Executive Director, President  
Research Scientist



# 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.

# Support on Snapshots

- Stroud Center support on synoptic sampling events (aka snapshots and blitzes)
  - Salt (chloride and conductivity)
  - Water Temperature
- *\*Please be in touch if you would like support in doing this type of monitoring*

# If you want, send your photos and stories



## Email or Text to:

- Diane Huskinson ([dhuskinson@stroudcenter.org](mailto:dhuskinson@stroudcenter.org); 717-383-1179)
- Dave Bressler ([dbressler@stroudcenter.org](mailto: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: 1<sup>st</sup> Thursdays, 11:00a – 12:30p (Zoom, <https://zoom.us/j/5889670619>)***

# Updates from Local Policy/Practice

<https://weconservepa.org/eac/eac-network-conference-registration/>

## EAC Network Virtual Conference: Registration Open

The **EAC Network Virtual Conference** will be held **Saturday, February 24, starting at 9AM**. Join fellow Environmental Advisory Council (EAC) members, municipal staff, elected officials, and others interested in the work of EACs for a full day of training and networking, without the hassle of travel! Available sessions cover a wide range of topics, including healthy yards/healthy streams, urban agriculture & forestry, sustainable waste management options, light pollution, and deer management.



**AGENDA**

**REGISTRATION**

**NEW THIS YEAR:**

*EACs can submit group registrations for up to five members at one price!*

# Local Policy/Practice Work Group

## **Short Term Charge:**

To develop the most effective way of employing stream monitor data – conductivity, temperature, depth, and sometimes turbidity – and related measures to advise and otherwise influence municipal entities. The charge includes an emphasis on stream quality in relation to land use and development.

# Updates from Local Policy/Practice Workgroup

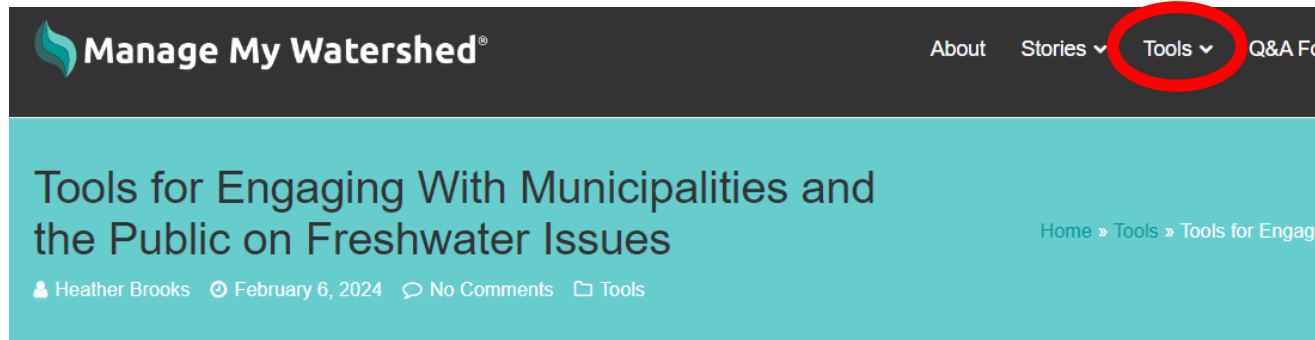
## Guidance Document Updates

- 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.



Any questions before we move on?





# Today's Presentation



An overview and a case study



Scott Ensign, PhD  
Assistant Director, Vice President  
Research Scientist  
Stroud Water Research Center



Steve Tricarico  
Penn State Master Watershed Steward,  
Berks County  
Tulpehocken Creek Watershed  
Association/Berks Nature

# Mentors currently available

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



# Conclusion

Next month's meeting will be on:

**Thursday March 21, 2024**  
**2:30-3:30p**



# Onward!

## Stroud Water Research Center contacts:

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

## Master Watershed Stewards contacts:

- Carol Armstrong, [mnem.np@gmail.com](mailto:mnem.np@gmail.com), 610-659-7477
- George Seeds, [geoseeds@verizon.net](mailto:geoseeds@verizon.net), 484-886-9586