

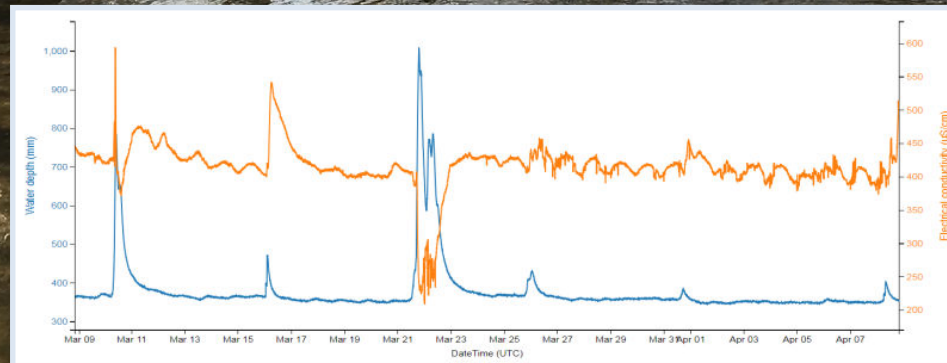
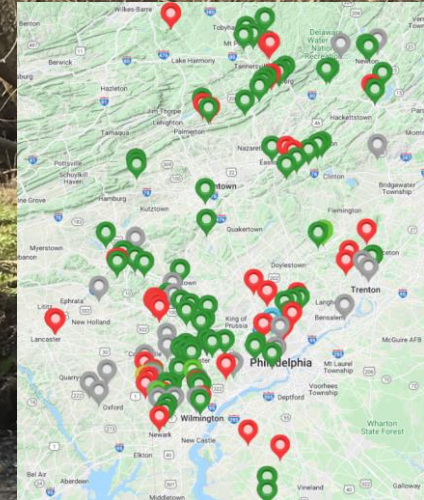
WELCOME!

EnviroDIY and monitoring in the DRB monthly meeting

Online, Thursday, March 16, 2023, 2:30-3:30p



 **Monitor My Watershed®**



STROUD
WATER RESEARCH CENTER

Today's Agenda

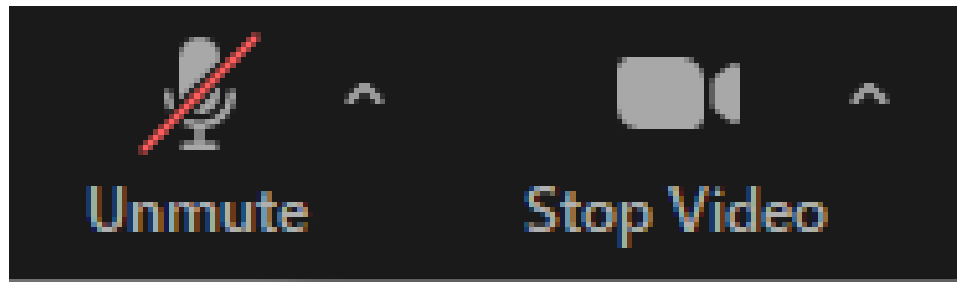
1. Introduction
2. Stroud Updates
3. Presentation – Forming a Watershed Council, Alan Hunt, Musconetcong Watershed Association
4. Discussion
5. Conclusion



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

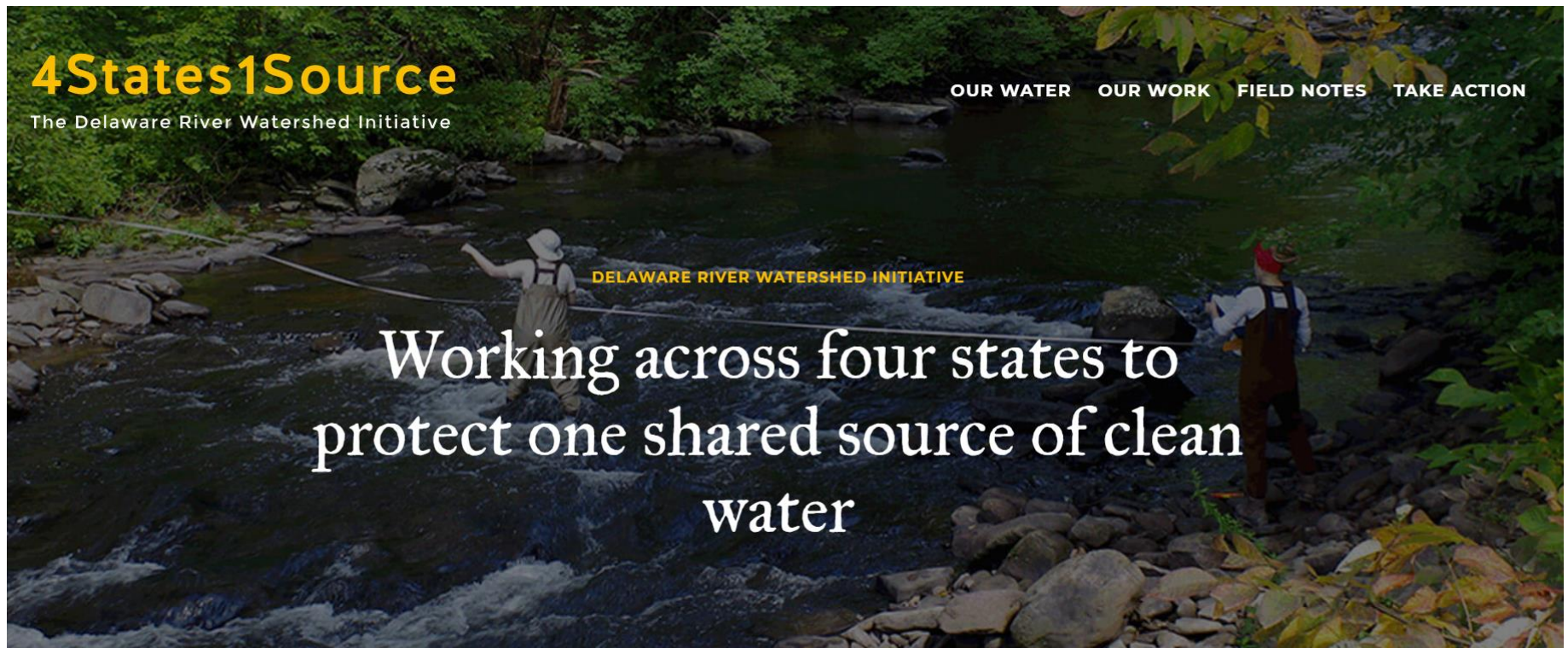
- Every third Thursday of the month
- 2:30-3:30p
- Zoom link will remain the same:
<https://us02web.zoom.us/j/81881801310?pwd=eUFmbXZLbmRibVcxa1dtNVhzRmNvZz09>
- Reminder email one week prior to each month's meeting
 - All are welcome, please share
 - **And let us know if others should be added**

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

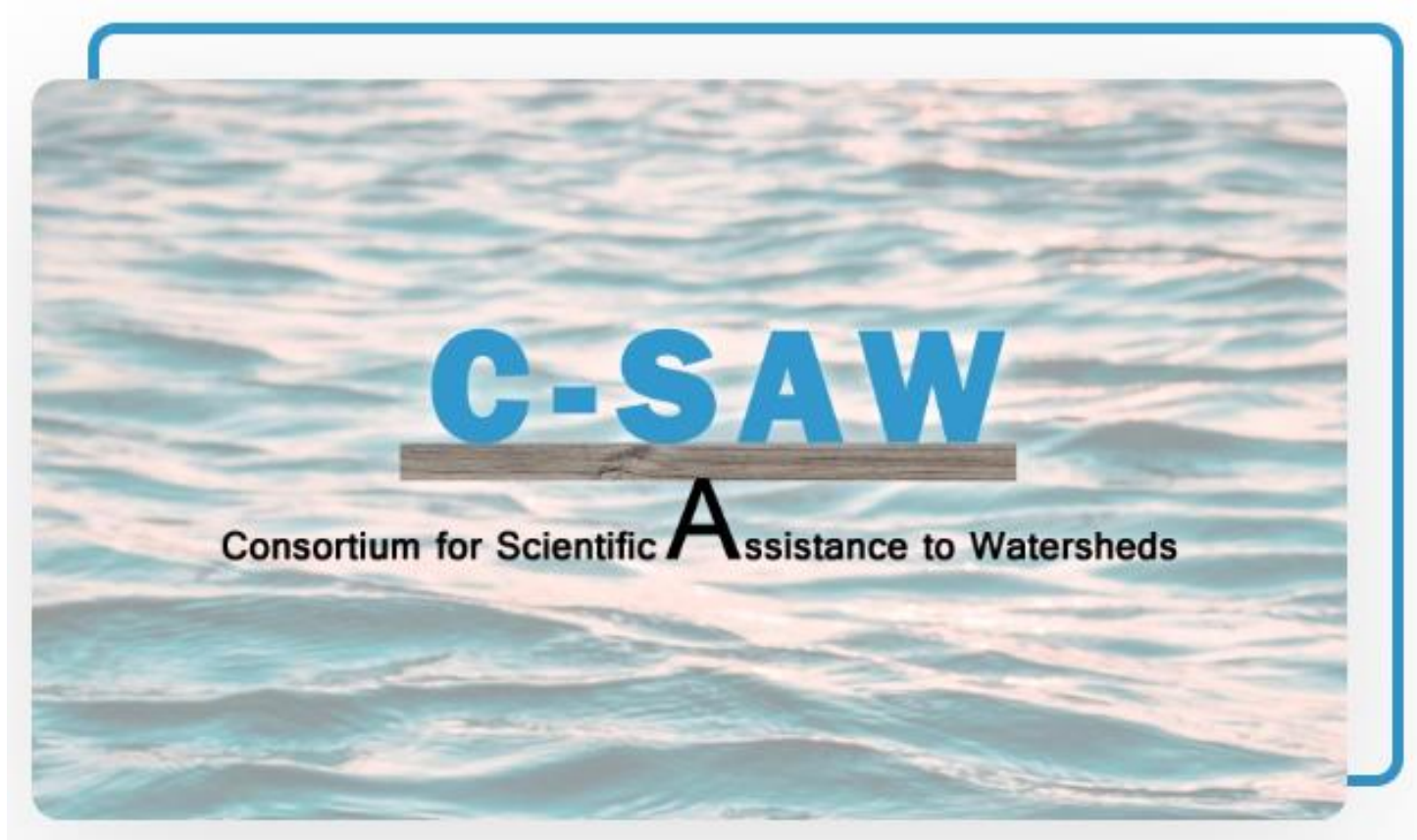
Delaware River Watershed Initiative (DRWI)

<https://4states1source.org/>



C-SAW

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



Goals for these monthly meetings

- Time to check-in, ask questions, report issues, network, etc.
- **Updates** from the Stroud Center
- **Presentations**
 - Science
 - Monitoring
 - Watershed management

**All of this to support gathering good data and using it purposefully*

Stroud Center project personnel

Stroud Center team:

David Bressler



Project facilitator

Rachel Johnson



Research Engineer
Technician

Christa Reeves



Northern DRB
technician and
organization
collaborator

Shannon Hicks



Research Engineer,
Mayfly and EnviroDIY
Inventor/Designer

Stroud Center project personnel

Master Watershed Steward Facilitators:

Carol Armstrong



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

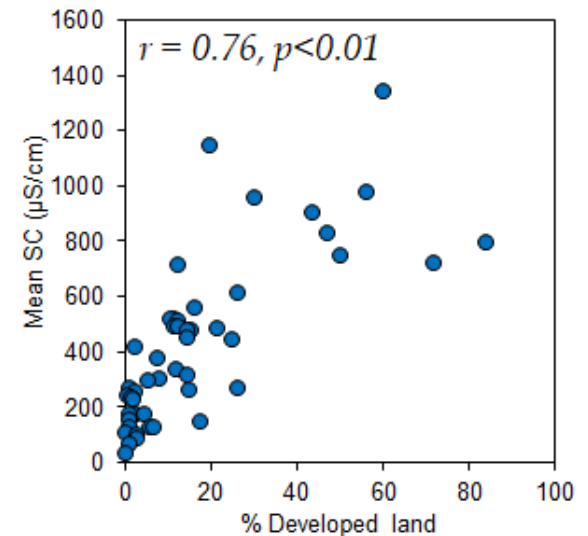
Dr. David Arscott



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



EnviroDIY manual

- EnviroDIY manual - <https://www.envirodiy.org/knowledge-base/>

The screenshot shows the EnviroDIY website. The top navigation bar includes links for About, Participate, Mayfly, Blog, Forums, Videos, Shop, Help, Register, and Log In. A dropdown menu is open under 'Participate', showing options: Getting Started, Hardware, Software, and Monitoring Station Manual and Appendices. The 'Monitoring Station Manual and Appendices' option is highlighted with a red box. Below the navigation bar, there is a search bar and a section titled 'Help Topics'. Under 'Help Topics', there are two columns of links. The left column is titled 'EnviroDIY Monitoring Station Manual (9 Articles)' and lists links from 1. Key Terms and Links to 9. References and Acknowledgments. The right column is titled 'EnviroDIY Monitoring Station Manual Appendices (8 Articles)' and lists links from 1. Battery and Solar Options to 8. Supplemental Sampling, Rating Curves, Loads. A 'View all' link is at the bottom of the right column.

EnviroDIY
An Initiative of Stroud Water Research Center

Getting Started
Hardware
Software
Monitoring Station Manual and Appendices

Welcome to EnviroDIY, a community for do-it-yourself environmental science and practitioners, municipal decision-makers, researchers, educators, and students advocate for fresh water. [Watershed](#), a web toolkit designed to help citizens, conservation fresh water. **New to EnviroDIY?** [Start here](#)

Search the

Help Topics

EnviroDIY Monitoring Station Manual (9 Articles)
The EnviroDIY team created this manual to help you build, program, and install an EnviroDIY Monitoring Station. Please leave feedback on the individual articles so that we can continue to improve the documentation.

1. Key Terms and Links
2. EnviroDIY Overview
3. EnviroDIY Monitoring Station
4. Preparing the Mayfly Data Logger
5. Programming and Activating an EnviroDIY Monitoring Station
6. Building an EnviroDIY Monitoring Station
7. Installing an EnviroDIY Monitoring Station
8. Monitoring Station Management
9. References and Acknowledgments

EnviroDIY Monitoring Station Manual Appendices (8 Articles)
The EnviroDIY Monitoring Station appendices contain supplemental information to help you manage your EnviroDIY Monitoring Station. Please leave feedback on the individual articles so that we can continue to improve the documentation.

1. Battery and Solar Options
2. Example Data
3. Data Patterns
4. Troubleshooting
5. Commercial Meters
6. Field Supplies Checklist
7. Maintenance Checklist
8. Supplemental Sampling, Rating Curves, Loads

View all

EnviroDIY and monitoring resources

- Guidance materials -
<https://wikiwatershed.org/drwi/>

Shortcuts to General Resources

- [EnviroDIY Field Visit Data](#)
- [EnviroDIY Monitoring Station Help Resources](#)
- [Salt Monitoring Resources](#)
- [Data and Data Visualization Resources](#)
- [Volunteer Management Guidance Materials](#)
- [WikiWatershed Toolkit](#)
- [Project Updates](#)

Shortcuts to Meetings, Workshops, Conferences

- [Monthly EnviroDIY-DRWI User Group Meetings](#)
- [User Support Workshops and Trainings](#)
- [Conference Presentations](#)
- [Watershed Ecology Workshops](#)

Stroud Center Updates

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

Updates from Local Policy/Practice Workgroup

- Updates from Ian Brastow, Lopatcong Creek Initiative/New Jersey Highlands Coalition, NJ

Updates from Local Policy/Practice Workgroup

- *Current leadership:*
 - Ian Brastow, Lopatcong Creek Initiative/New Jersey Highlands Coalition (NJ)
 - David Manning, PA Master Watershed Steward and Schuylkill Water Steward with Green Valleys Watershed Association (PA)
 - Christa Reeves, Musconetcong Watershed Association (NJ)
 - Alex Jackson, Brodhead Watershed Association (PA)
 - Erin Landis, Wissahickon Trails (PA)
 - Joe Debes, PA Master Watershed Steward and Stroud Center volunteer (PA)
 - *NEW* Carol Armstrong, PA Master Watershed Steward
 - *NEW* Tali MacArthur, PA Environmental Council/PA Organization for Watersheds and Rivers (PA)
- *Support:*
 - David Bressler, Stroud Water Research Center (PA)
- *Meetings:* 1st Thursdays, 11 am (Zoom)

Updates from Local Policy/Practice Workgroup

- **Working Short-Term Charge**

Short-term charge: The short-term charge of the workgroup is 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.

```
graph LR; A[How to best use data from stream monitors and other monitoring efforts to inform public policy] <--> B[Explore the various mechanisms by which we might interact with municipalities]
```

How to best use data from stream monitors and other monitoring efforts to inform public policy

Explore the various mechanisms by which we might interact with municipalities

Updates from Local Policy/Practice Workgroup

- Meeting Themes

Before Meeting:

- *Collect resources on the determined topic*
- *Read other collected resources*

In Meeting:

- *Presenter (if applicable)*
- *Discussion of pre-determined topic*
- *Further discussion on other matters*
- *Determine topic of next meeting*

After Meeting:

- *Compile resources for next meeting*
- *Prepare an update for the EnviroDIY monthly meeting*

Next Meeting's Focus:

- *Impervious Cover and How it affects water quality*
- *Temperature and how to communicate to municipalities*

Any questions before we move on?



Today's presentation

- Forming a Watershed Council, Alan Hunt, Musconetcong Watershed Association, Director, Policy and Grants



Mentors currently available

- Carol Armstrong (MWS), mnem.np@gmail.com, 610-659-7477
- George Seeds (MWS), geoseeds@verizon.net, 484-886-9586
- Rachel Johnson (Stroud Center), rjohnson@stroudcenter.org, 973-557-8995
- Christa Reeves (Musconetcong Watershed Association/Stroud Center), christa@musconetcong.org, 727-520-5849

Conclusion

Next month's meeting will be on:

Thursday April 20, 2023
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
- Rachel Johnson, rjohnson@stroudcenter.org, 973-557-8995
- 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