

WELCOME!

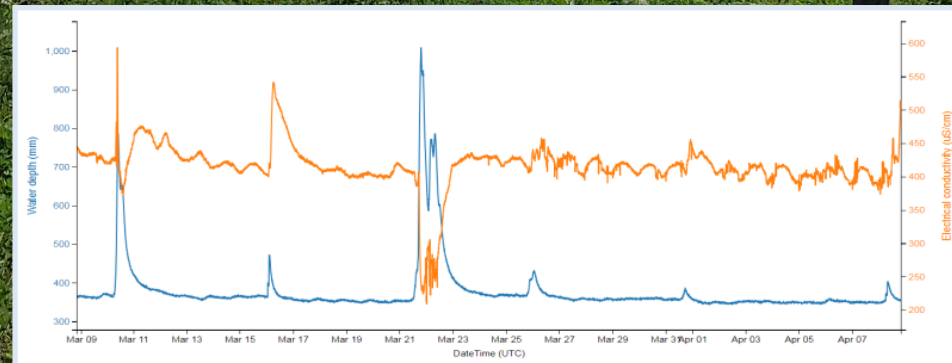
Monthly EnviroDIY-DRWI User Group Meeting

Online, Thursday January 20, 2021, 2:30-3:30p



EnviroDIY

Monitor My Watershed®



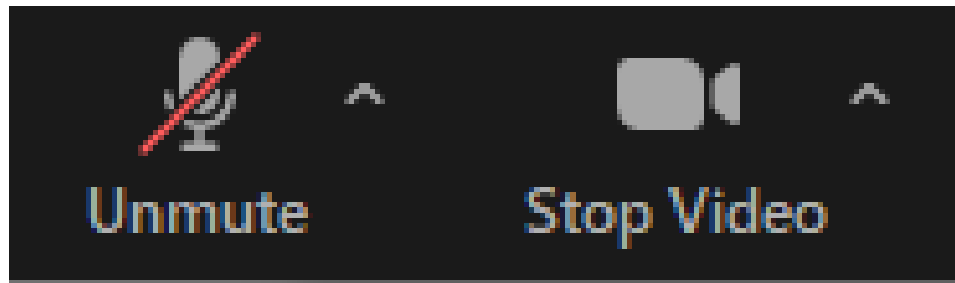
STROUD
WATER RESEARCH CENTER



Zoom Orientation



***Meeting is being recorded**



***Mute unless asking question**

These Monthly Meetings

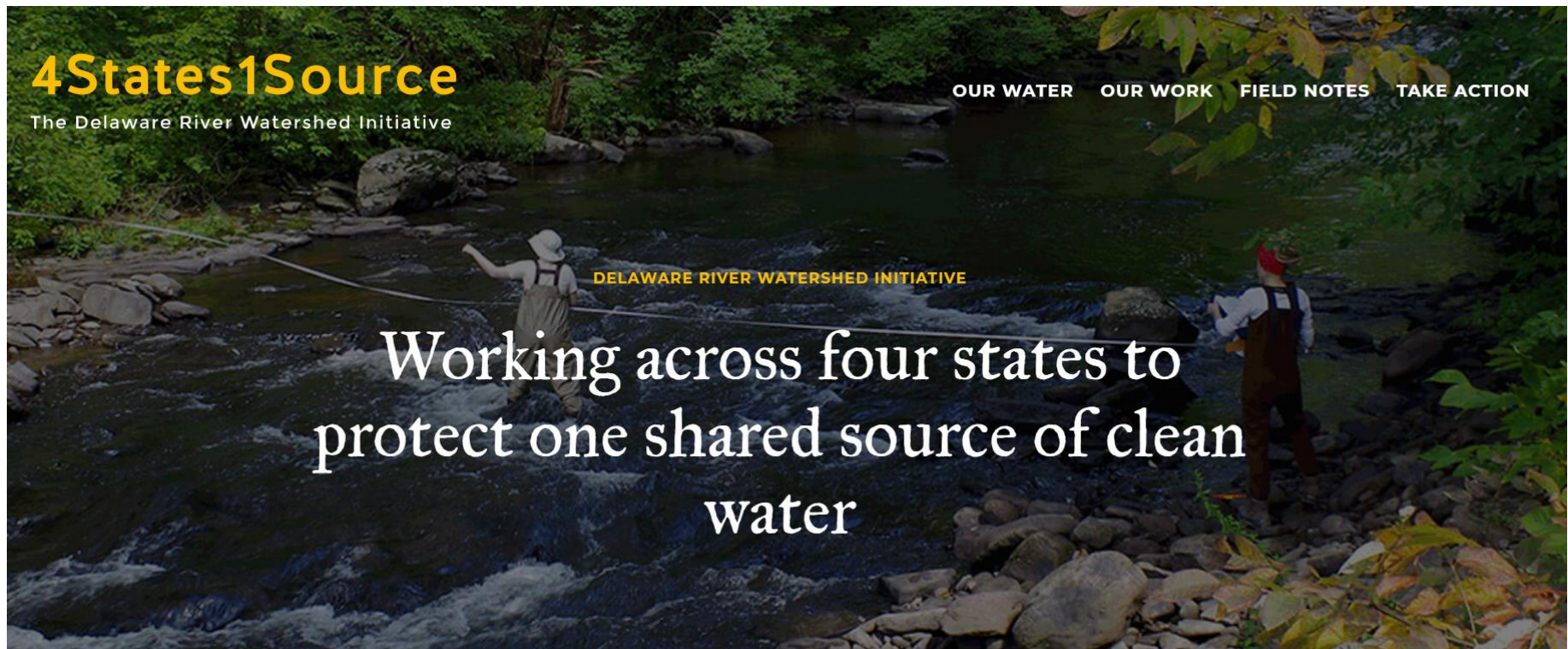
- Every third Thursday of the month
- 2:30-3:30p
- Zoom link will remain the same:
<https://us02web.zoom.us/j/81881801310?pwd=eUFmbXZLbmRibVcxa1dtNVhzRmNvZz09>
- Reminder email will be sent one week prior to each month's meeting
 - Station owners/managers organize volunteers/others to attend and share Zoom link

REMINDER

- Attendees include:
 - Groups working in Delaware River Watershed Initiative (DRWI)
 - Groups working in Delaware River Basin (DRB) but not DRWI
 - Miscellaneous 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/>



Home

What's Available?

Who's Eligible?

Who Provides Assistance?

Apply

News

Resources

Contact



What is C-SAW?

The Consortium for Scientific Assistance to Watersheds (C-SAW) is a team of specialists who provide *free* organizational and scientific technical assistance to Pennsylvania-based watershed and conservation organizations.

C-SAW does not conduct watershed monitoring or assessments. Instead, C-SAW helps watershed organizations do a better job with their own monitoring and assessments.

Goals for these monthly meetings

- **Time/space to check-in, ask questions, report issues, network, etc.**
- **Updates** from Stroud Center
- **Presentations**
 - **Station Owner/Manager Presentations** – communicate about individual situations, local watershed work
 - **Focus Topic Presentations** – guest presenters talk about technical/ecological/other focus topics

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

Facilitators

Stroud Center Facilitators:

David Bressler, Rachel Johnson, Christa Reeves, Shannon Hicks



Master Watershed Steward Facilitators:

Carol Armstrong, George Seeds (Chester & Delaware Co.)



These Monthly Meetings

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



Search



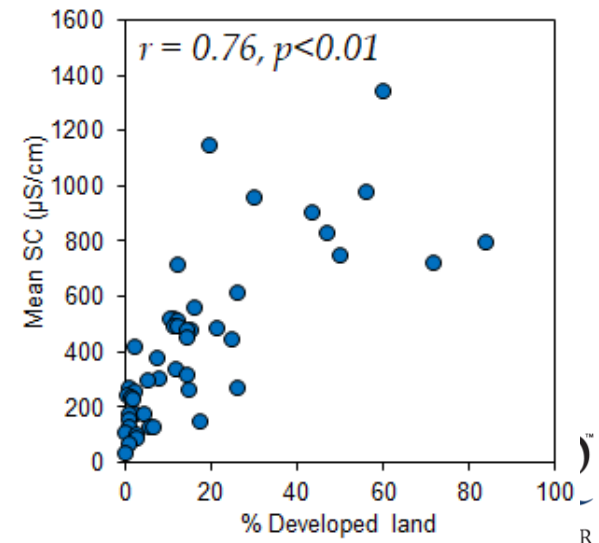
August 2020 EnviroDIY-DRWI Monthly Meeting

15 views • Aug 25, 2020

0 0 SHARE SAVE ...

Stroud Center Perspective – EnviroDIY in DRWI

- 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



Today's Agenda

1. Introduction
2. Stroud Updates
3. Presentations:
 - Upgrades to Monitor My Watershed – David Bressler
 - EnviroDIY technology updates – Shannon Hicks
4. Discussion
5. Conclusion

Stroud Center Updates

- Stroud Center (Rachel, Steve Mohapp, and Shannon Hicks) recent field support
 - Lots of cell board/mayfly replacements
 - >50 site visits across DRB recently



Stroud Center Updates

- Request for EnviroDIY blog posts for 2022!!
<https://www.envirodiy.org/blogs/>, types of blogs:
 - Technology (“Tips and Pointers”)
 - Organizational (“Showcase”)
 - Timely information (“News”)



NEWS

EnviroDIY Summer Camp Helps Students Build Skills and Monitoring Stations

by [Nancy Lilly](#) • 2021-09-29 • [No Comments](#)

Over the summer, all the stars lined up to make one perfect program: an EnviroDIY camp for high school students in Lynchburg, Virginia.



TIPS & POINTERS

My Experience Building an EnviroDIY Monitoring Station

by [Cheryl Nolan](#) • 2021-05-13 • [10 Comments](#)

Computer program downloading and circuit board wiring were not my forte, so the first thing I did was enlist the help of the most tech-savvy people I know.

***Contact Dave Bressler if you want to write a blog post**

Stroud Center Updates



- **Monitor My Watershed transition to Amazon Web Services** by Limnotech (Anthony Aufdenkampe)
 - Some folks have had to reboot stations
 - **Make sure to register for an EnviroDIY.org account and sign up to get daily or weekly email updates from the Forum*

Stroud Center Updates


- New look and function on Monitor My Watershed as we transition to AWS



Stroud Center Updates

 [About](#) [Participate](#) [Mayfly](#) [Blog](#) [Forums](#) [Videos](#) [Shop](#) [Help](#) [Register](#) [Log In](#) 


An Initiative of Stroud Water Research Center

 Welcome to EnviroDIY, a community for do-it-yourself environmental science citizens, conservation practitioners, municipal decision-makers, researchers, to EnviroDIY? [Start here](#)

Status update on MMW?

[Home](#) > [Forums](#) > [Monitor My Watershed](#) > Status update on MMW?

Viewing 18 reply threads

| Author | Posts |
|--|---|
|  | Just wondering if we could please get a status update on MMW. Most of our sites have now been offline for ~21 hours. My colleague replaced a Mayfly and modem this morning (for a separate issue), and its data began |

Search the Forums

Mayfly Data Logger Forum

Other Data Loggers Forum

Infrastructure and Equipment Forum

Environmental Sensors Forum

Monitor My Watershed

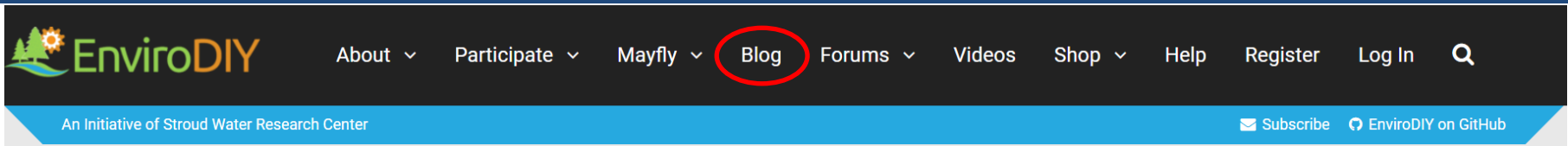
Miscellaneous Questions Forum

[WikiWatershed](#), a web toolkit designed to help knowledge and stewardship of fresh water. **New**

Did you know you can buy the Mayfly Data Logger and other EnviroDIY products in bulk at a discount in [our Shop](#)? You'll also find products there that aren't available on [Amazon.com](#)

FORUM SPOTLIGHT
[Most popular topics](#)
[Topics with no replies](#)

Stroud Center Updates



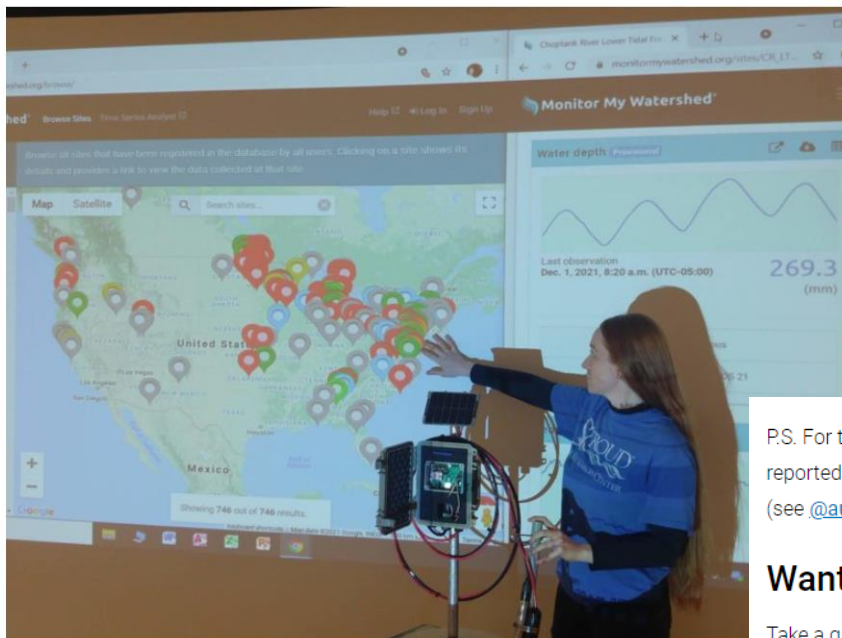
Monitor My Watershed Hits the Cloud!



By [Scott Ensing](#) on 2021-12-16

No Comments

<https://www.envirodiy.org/monitor-my-watershed-hits-the-cloud/>



Please complete survey! We'll allow time for this in later presentation

P.S. For those who experienced a data lag during this process, thank you for your patience! Remember that all data reported to Monitor My Watershed during this transition has been saved and will be restored in the coming months (see [@aufdenkampe](#) post #16165).

Want to Help Us Make Monitor My Watershed Even Better?

Take a quick survey and we'll register you in a raffle to win a Mayfly Data Logger! We will randomly select two winners on March 1, 2022.



[Take the Survey](#)

Stroud Center Updates

[About](#) ▾[Participate](#) ▾[Mayfly](#) ▾[Blog](#)[Forums](#) ▾[Videos](#)[Shop](#) ▾[Help](#)[Register](#)[Log In](#)

An Initiative of Stroud Water Research Center

[Subscribe](#)[EnviroDIY on GitHub](#)

Monitor My Watershed Hits the Cloud!



By [Scott Ensign](#) on 2021-12-16

[No Comments](#)

As of December 7, 2021, Monitor My Watershed is now hosted on the Amazon Web Services cloud. Users will notice increased responsiveness, speed, and reliability, along with a new and improved Time Series Visualization that replaces the outdated Time Series Analyst. While some of you may miss certain features of the old TSA, don't fret, improvements are on the way (more on that below).

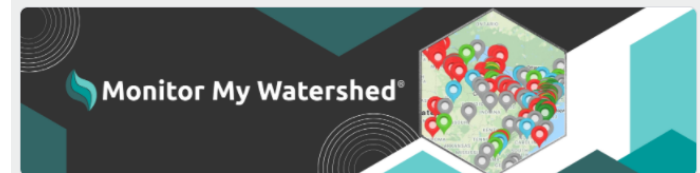
Working tirelessly in the background is the Monitor My Watershed team here at [Stroud Water Research Center](#) and our partners at [LimnoTech](#). We are very excited about the many enhancements that are now possible with this migration to the cloud. If you want to learn more about the updates to the underlying Observations Data Model Version 2 Data Sharing Portal, check out Anthony Aufdenkampe's [Github release post](#). The big news is that LimnoTech has updated the entire software stack to long-term support versions of all component dependencies.

P.S. For those who experienced a data lag during this process, thank you for your patience! Remember that all data reported to Monitor My Watershed during this transition has been saved and will be restored in the coming months (see [@aufdenkampe](#) post [#16165](#)).

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[Take the Survey](#)



Monitor My Watershed User Survey

Stroud Water Research Center and our partners are proud of the growing use and community support for the Monitor My Watershed Data Sharing Portal (<https://monitormywatershed.org/>). Big improvements are on the way for Monitor My Watershed, and we want your input on how to prioritize new features and services.

dbressler@stroudcenter.org (not shared) [Switch account](#)

* Required

How do you use Monitor My Watershed? *

- ☐ I share sensor data collected for my own research and use.
- ☐ I share sensor data collected for an organization (watershed group, non-profit, agency, business, etc.).
- ☐ I share Leaf Pack data.
- ☐ I search for data collected by others.
- ☐ Other: _____

Have you used any of these IoT services to manage your environmental data? *

- ☐ Proprietary service provided by an equipment manufacturer
- ☐ Ubidots
- ☐ [particle.io](#)

Stroud Center Updates

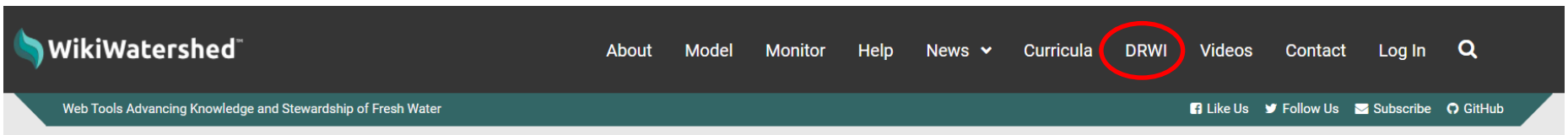


Problems with Digi cell boards

- NEW Shannon-designed cell boards – actively being replaced in DRB
 - Updated Mayfly Data Logger is usually replaced too
- ***If a station goes offline but battery was well above 3.5v then it's likely a cell board issue**

Stroud Center Updates

- Reminder on resources available at <https://wikiwatershed.org/drwi/>
- <https://wikiwatershed.org>



Use the links below to jump to a specific section of this page.

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](#)

Meetings, Workshops, and Conferences

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

EnviroDIY Field Visit Data

EnviroDIY Field Visit Data Form (Online)

Stroud Center Updates

- **EnviroDIY Build Workshop scheduled for March 23-24, 2022**
 - *Be in touch with Dave B if you would like to be added to the early access list*



Any questions before we move on?



Monthly Presentations

- Upgrades to Monitor My Watershed, 2022
– David Bressler, Stroud Water Research Center
- EnviroDIY technology updates – Shannon Hick, Stroud Water Research Center

Future meetings

- February 17, 2022 – Carol Armstrong, monitoring in the Pickering Creek watershed
- March 17, 2022 – ???

Reminder: Resources to Support the Work

<https://wikiwatershed.org/drwi/>

General Resources

- ✓ EnviroDIY Field Visit Data
- ✓ EnviroDIY Monitoring Station Help Resources
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- ✓ WikiWatershed Toolkit
- ✓ Project Updates

Meetings, Workshops, and Conferences

- ✓ Monthly EnviroDIY-DRWI User Group Meetings
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- **Station owners/managers organize volunteers/others to attend and share Zoom link**

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 (Stroud Center)(in the north, situational), christa@musconetcong.org, 727-520-5849

****Anyone else interested? If so get in touch with Stroud Center or Carol or George***

Resources to Support the Work

- **Delaware Basin EnviroDIY Monitoring Stations**, private online group (<https://wikiwatershed.org/groups/delaware-basin-sensor-stations/>)

Delaware Basin EnviroDIY Monitoring Stations



- Pose questions to the user group community
- Check for updates and new posts
- Set it for daily or weekly email updates

Conclusion

Next month's meeting will be on:

Thursday February 17, 2021
2:30-3:30p

Onward!

Stroud Water Research Center, EnviroDIY-DRWI 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, EnviroDIY-DRWI contacts:

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