

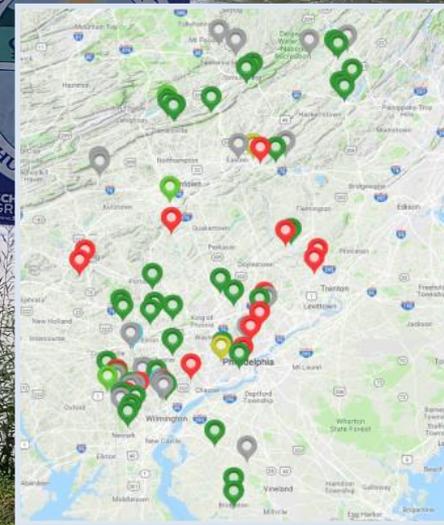
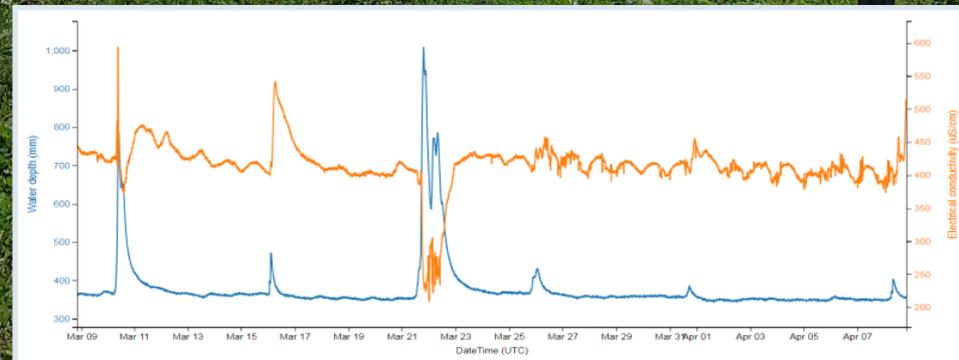
# WELCOME!

## Monthly EnviroDIY-DRWI User Group Meeting

*Online, Thursday December 16, 2021, 2:30-3:30p*



 Monitor My Watershed®

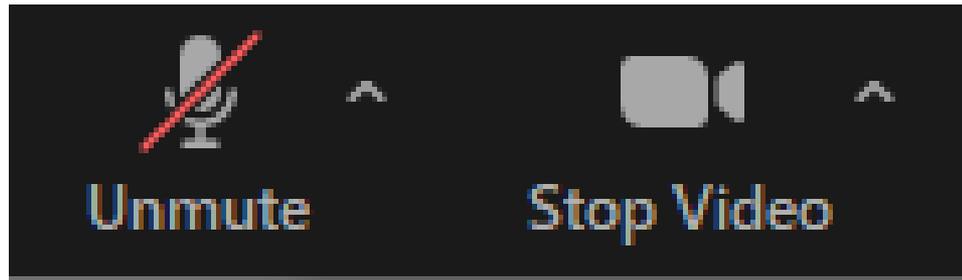




# Zoom Orientation



**\*Meeting is being recorded**



**\*Mute unless asking question**

# These Monthly Meetings

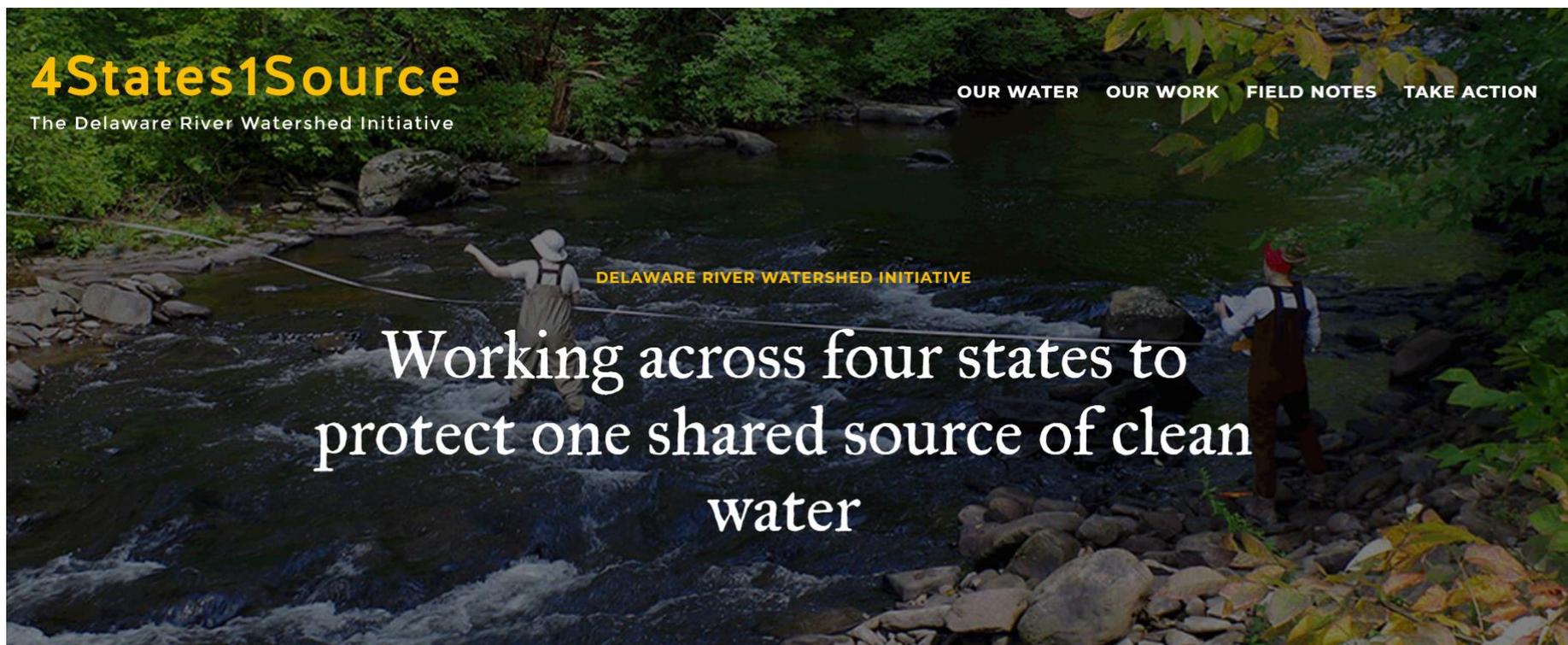
- Every third Thursday of the month
- 2:30-3:30p
- Zoom link will remain the same:  
<https://us02web.zoom.us/j/81881801310?pwd=eUFmbXZLbmRibVcxa1dtNVhzRmNvZz09>
- Reminder email will be sent one week prior to each month's meeting
  - Station owners/managers organize volunteers/others to attend and share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



C-SAW  
Consortium for Scientific Assistance to Watersheds

**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



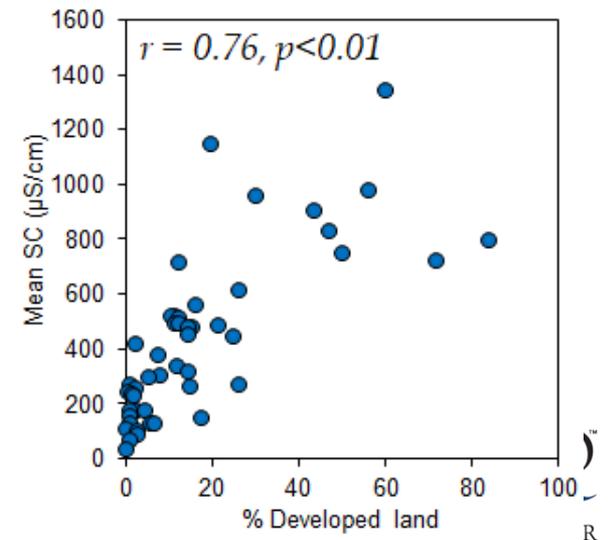
August 2020 EnviroDIY-DRWI Monthly Meeting

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

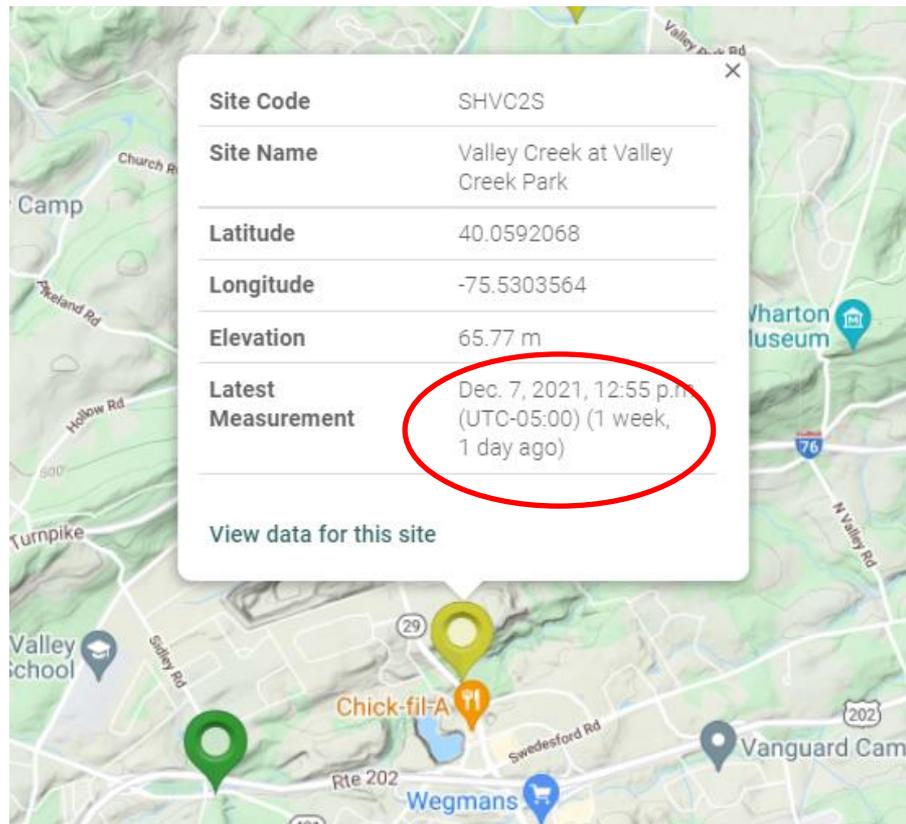
1. Introduction
2. Stroud Updates
3. Presentation: Winter Maintenance of EnviroDIY stations
4. Discussion
5. Conclusion

# Stroud Center Updates

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

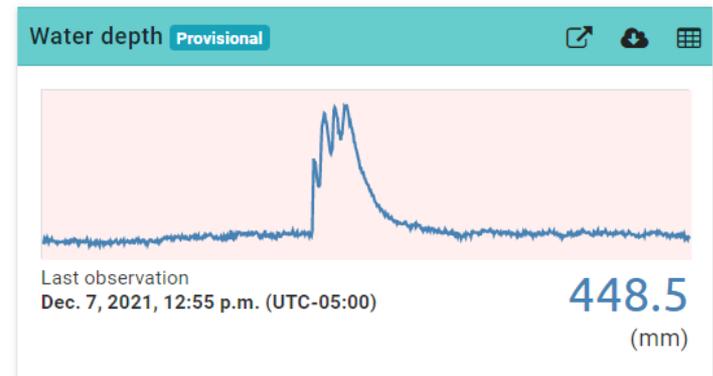
# Stroud Center Updates

- **Monitor My Watershed transition to Amazon Web Services**



**Restart/reboot station if it is still not transmitting**

Turn the Mayfly logger off, wait a few minutes, turn it back on



**\*IF you reboot and it remains offline then it's probably another issue such as a bad cell board**

# 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



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

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

## Status update on MMW?

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

Viewing 18 reply threads

Author	Posts
	2021-12-08 at 9:53 AM <span style="float: right;">#16138</span>
	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

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



About ▾

Participate ▾

Mayfly ▾

**Blog**

Forums ▾

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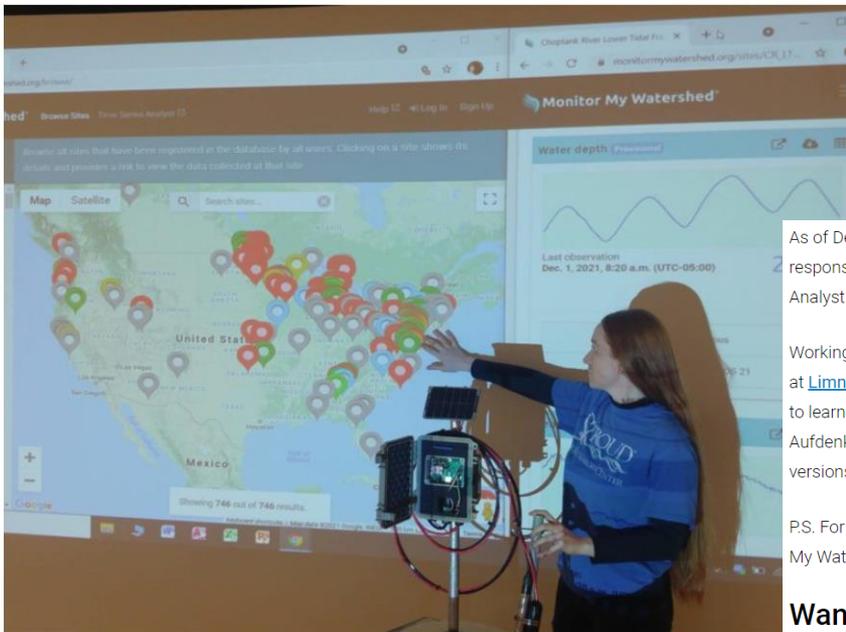
EnviroDIY on GitHub

## 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](#)).

### 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



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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](mailto: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? \*

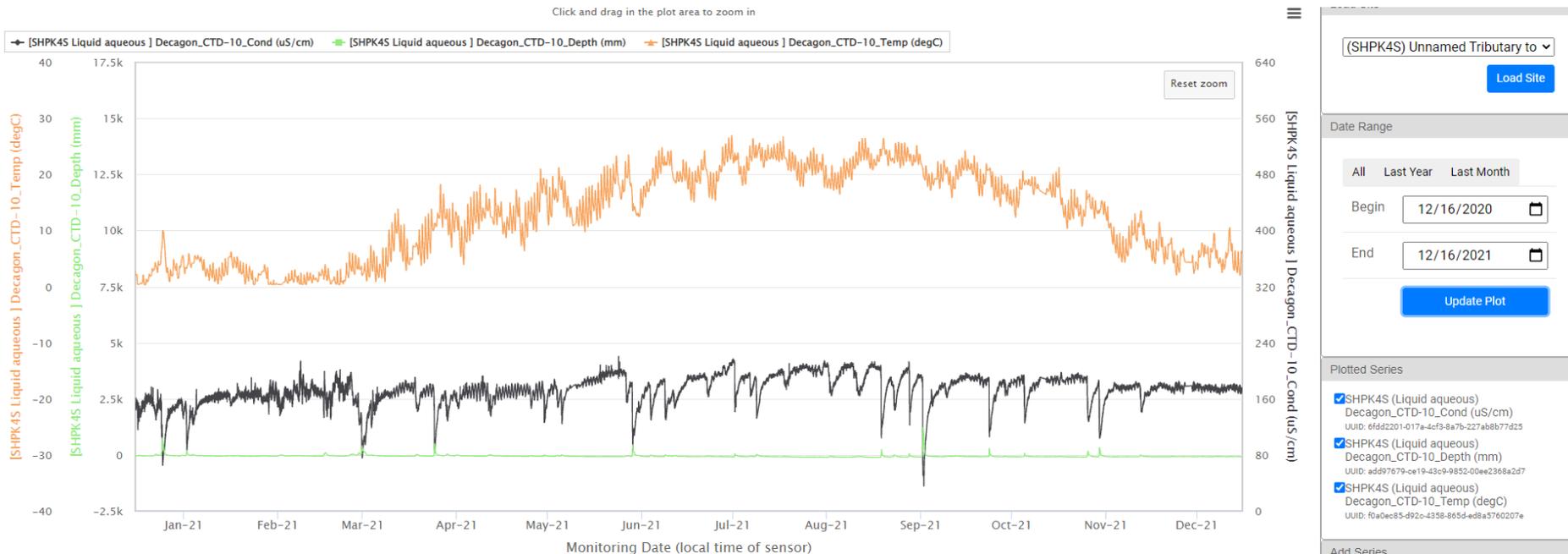
- Proprietary service provided by an equipment manufacturer
- Ubidots
- [particle.io](#)

# Stroud Center Updates

- Scott Ensign (assistant director of the Stroud Center) will now provide details on the transition of Monitor My Watershed to Amazon Web Services

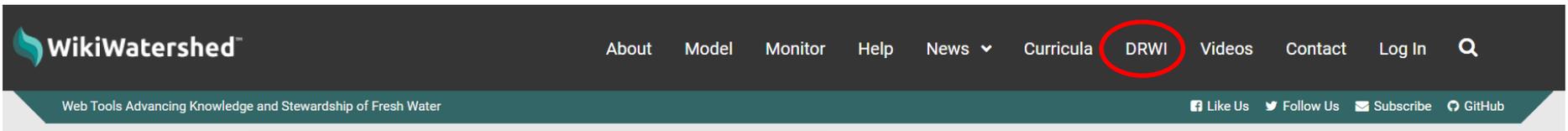
# Stroud Center Updates

- New look and function on Monitor My Watershed



# Stroud Center Updates

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



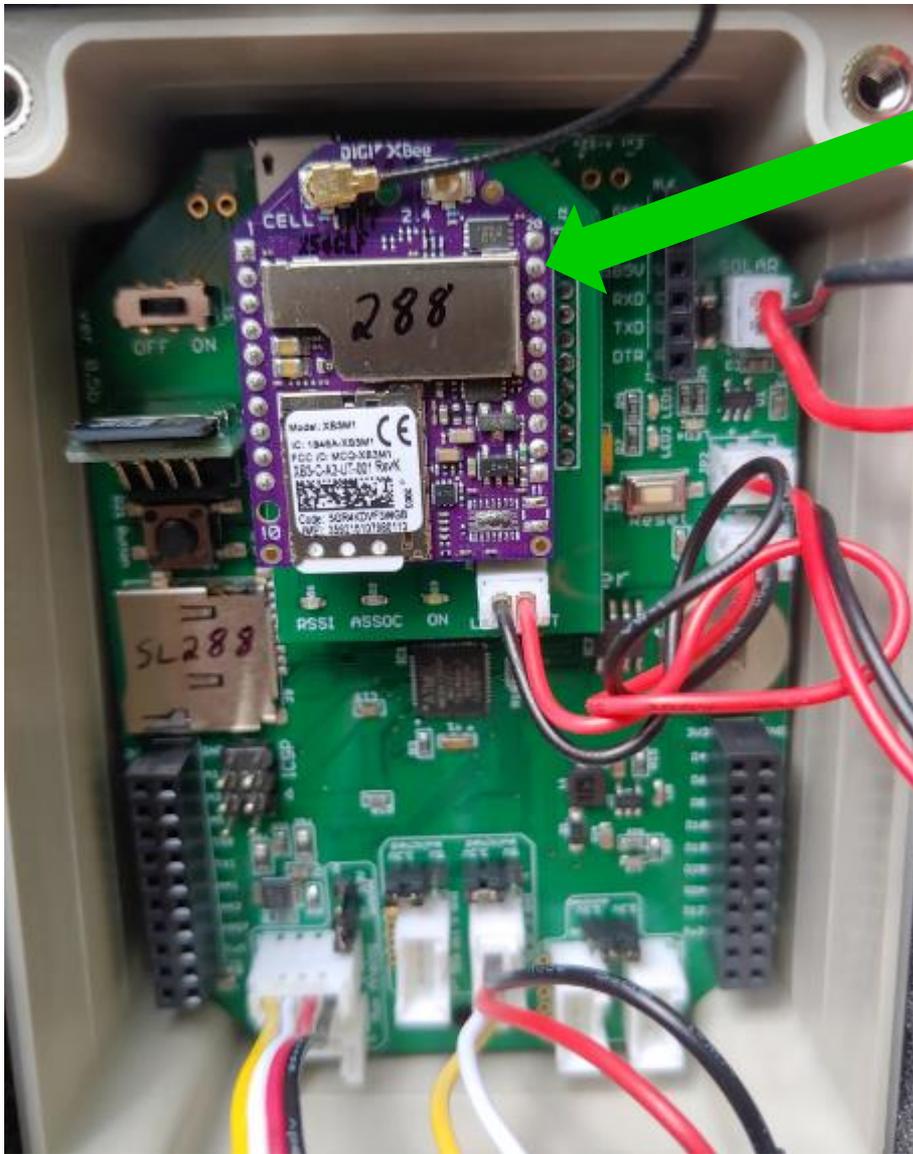
## General Resources

- ▼ 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

# Stroud Center Updates



Current lack of reliability of cell boards

- NEW 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**

Any questions before we move on?



# Monthly Presentation

## EnviroDIY Monitoring Station Winter Maintenance



David Bressler, [dbressler@stroudcenter.org](mailto:dbressler@stroudcenter.org)

# Future meetings

- January 20, 2022 – Shannon tech updates?
- February 17, 2022 – Carol Armstrong, monitoring in the Pickering Creek watershed

# Reminder: Resources to Support the Work

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

## General Resources

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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](mailto:mnem.np@gmail.com), 610-659-7477
- George Seeds (MWS), [geoseeds@verizon.net](mailto:geoseeds@verizon.net), 484-886-9586
- Rachel Johnson (Stroud Center), [rjohnson@stroudcenter.org](mailto:rjohnson@stroudcenter.org), 973-557-8995
- Christa Reeves (Stroud Center)(in the north, situational), [christa@musconetcong.org](mailto: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



The screenshot shows a Facebook group post. At the top, the group name 'Delaware Basin EnviroDIY Monitoring Stations' is displayed. Below the name is a banner image featuring a circular inset on the left showing a water sampling station in a stream, and a larger image on the right showing a close-up of a green circuit board with various components and wires. A 'GROUP MEMBERS' section shows two profile pictures. Below the images is a notification box that reads 'Your email status is All' with a link to 'Email (change)'. The post text, dated '9 minutes ago', describes the group's purpose: 'Facilitating communication and collaboration among groups and individuals managing EnviroDIY monitoring stations and conducting supplemental sampling and data collection in the Delaware River Basin.'

- 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 January 20, 2021**  
**2:30-3:30p**

# Onward!

## Stroud Water Research Center, EnviroDIY-DRWI 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
- Rachel Johnson, [rjohnson@stroudcenter.org](mailto:rjohnson@stroudcenter.org), 973-557-8995
- Christa Reeves, [christa@musconetcong.org](mailto:christa@musconetcong.org), 908-537-7060

## Master Watershed Stewards, EnviroDIY-DRWI 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