

# Susquehanna Ripples

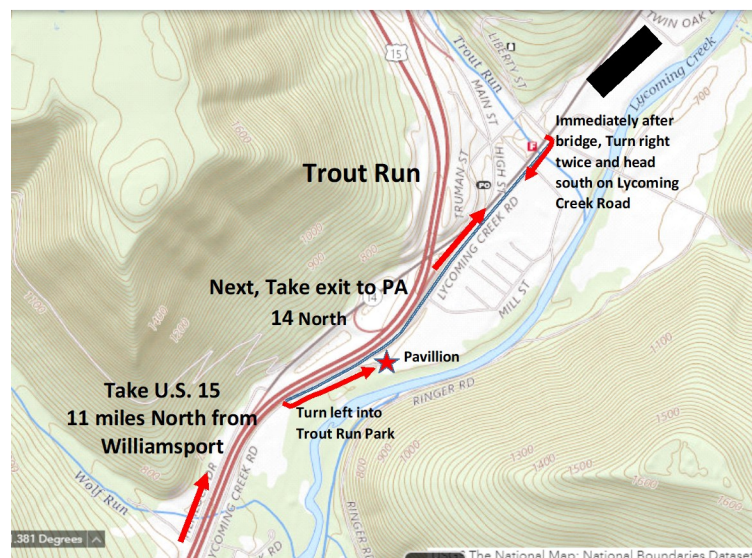
Newsletter of the Susquehanna Chapter of Trout Unlimited #044

April 2021

## Susquehanna Chapter Trout Unlimited April 14, 2021 Meeting Outdoors at Trout Run Park

We're celebrating a somewhat cautious exodus from the Covid crisis with an outdoor meeting at Trout Run Park on Wednesday, April 14<sup>th</sup>. Want to learn about fly casting as a first-timer, sharpen your skills under the instruction of experienced fly fishers? Anglers and everyone interested in experiencing what it is like to cast a fly or learn about our activities and updates on chapter conservation projects are invited to attend and shake off the winter doldrums. We hope to be able to introduce Tom &/or Kim Kozlowski, the new owners and operators of the Slate Run Tackle shop. You can observe the fishing platform on Lycoming Creek constructed by our members and some of the habitat structures placed along the stream to create fish habitat and control bank erosion. Participants are encouraged to bring their own rod, reel and line, and a number of outfits will be available for those who do not have them.

Meet, greet and demos will begin at 5:30 p.m. at the Trout Run Park pavilion followed by a Bring-Your-Own bag lunch and drinks picnic. Some may not be fully vaccinated plus 14 days yet, so please bring a mask and we'll be respectful of those wishing to social distance. A map and directions on how to get there from Williamsport is found below and on the Susquehanna TU website at [Susquehannatu.com](http://Susquehannatu.com). In the event that a scheduled culvert project is not completed in time for our event, we will post an alternate location on our website and send out an email blast to our members and those wishing to be contacted.



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**President's Message**

**From Charles Knowlden  
President, Susquehanna Chapter  
of Trout Unlimited**

**April 2021**



Get Outdoors! That is the theme of the Williamsport Business Association's First Saturday Event. It will be held on the first Saturday in May (May 1st). One block of Pine Street north of Fourth Street will be closed from 9:00 Am to 1:00 PM to allow vendors and businesses as well as non-profit organizations to inform the public about the many opportunities in our region for activities in the outdoors. Susquehanna TU will have a table with information about our mission to maintain clean water habitat for the fish and animals and the benefit of the general public. This will also be an opportunity to recruit new members with an emphasis on women and children. TU is providing some webinars on recruiting diversity into our ranks. The local TU leadership will be participating in those webinars. If you know of anyone interested in finding out what TU is all about, bring them around. Also, if you are interested in participating in the event demonstrating skills, showing pictures, or just talking with the public, please let me know. We are going to set up a table promptly at 8:45 AM.

The drawing for the raffle of fishing equipment for the benefit of our chapter's Veterans Service Partnership was held and was successful. After all expenses, the chapter realized a net income of \$1207.52. That will be placed in this year's budget for the purpose of providing fly tying and rod building supplies and activities for area veteran's and first responders. We hope to resume these activities in the near future as the Covid-19 pandemic is brought under control. If you know of any veteran or first responder that might be interested in fly fishing, have them contact me so that we might get our program restarted. A list of raffle winners is posted in this issue of the "Ripples" and on our website.

The April meeting will be held in person, pending weather conditions. It is scheduled for April 14 at Trout Run Park. Social distancing will be observed and the details can be found in this issue of the "Ripples". It has been a year since we have held in person meetings so please plan to attend. There will also be door prizes.

Half of Don Daughenbaugh's books have sold as of this writing. If you are interested in getting a book, don't hesitate. You can contact him at [dondflyfish@gmail.com](mailto:dondflyfish@gmail.com). The cost is \$34.95. I am really enjoying my copy. If you go to his house to pick it up, plan on hearing some stories he didn't include in the book.

Again, if anyone has any suggestions for programs or activities that we should pursue, please let one of the officers or directors know.

The brook trout at the top of page 1 was caught on Boulder Mountain in Southern Utah. The picture was taken by Jason Morrison and was featured in the 2014 Trout Unlimited Calendar for the month of April. The picture is used with his permission and we thank Jason for allowing us to use it.

## Recipe of the Month



### Breakfast Mix

#### Ingredients:

- ⇒ Trout fillets (skinless, boneless) - or other fish
- ⇒ Bacon/sausage (maple flavor)
- ⇒ Cooked up and chopped up potatoes
- ⇒ Eggs
- ⇒ American cheese
- ⇒ salt/pepper to taste
- ⇒ butter

#### Directions:

Cook trout in a big frying pan with butter. Set aside. Cook bacon, sausage until done, add potatoes to warm up, then the fish. Salt and pepper to taste. Push to one side and scramble up eggs, with a little more butter. Mix everything together than put 6-7 slices of cheese. Let melt, then mix in. Serve hot.

*The above recipe was taken from Syracuse.com ([https://www.syracuse.com/out-doors2015/03/5\\_trout-recipes-to-try-with-opening-day-catch.html](https://www.syracuse.com/out-doors2015/03/5_trout-recipes-to-try-with-opening-day-catch.html)) The recipe was submitted by Rose Thompson and was published on March 30, 2015*

## Fishing Buddies



We thought of trying something a little different this year. Would anyone want to participate in a fishing buddy program?

This program will allow you to get together with other members who have an interest in fishing. Maybe you just want someone to go with; try fishing someplace you have never been, get tips on fishing; maybe get some help perfecting your cast; fishing nymphs or lures; tying flies or making lures.

Additionally, if you are available to fish on certain days or times, there may be others available the same time and you will be able to get connected.

We have a large number of members who are older in age and do not feel comfortable going fishing alone. This will help everyone get out on the water.

There are no rules or any requirements. It is just people getting together to share common interests and enjoy the outdoors and the great hobby of fishing.

If you are interested in participating, the chapter will

maintain a list of members who want to participate. There is no charge for this and no rules. One you get the list, you contact someone on that list and you two make all the arrangements. This is just a way to get out on the water and maybe meet some new friends.

Please let us know your name and contact information, types of fishing you do, if you like fly tying , lure making, etc. If you are willing to provide basic instruction if needed, specific times you are available and anything else you feel relevant.

We will compile a list of everyone participating and distribute the list to all participants.

Thanks for considering this and we feel this will be a great opportunity to meet new friends, get together with old ones and maybe learn something new.

Send information to [susquehannatu@gmail.com](mailto:susquehannatu@gmail.com) or call Bob Baker at 570-321-1279.

## Welcome New Members

Ryan Bahr  
Fletch Buehler  
Don Cline  
David Eichelberger  
David Eshenaur  
James Fenstermacher  
Bob Goodwin  
John Grove  
John Himes

Wayne Klug  
Stephen Leskoven  
Brycen Mussina  
Phillip Preziosi  
Paul Reed  
John Rinehart  
Donald Shaffer  
Gary Shaffer  
Don Sinsabaugh

## Did you know?

- If reading this newsletter online, you can click any of the links and be taken directly to that webpage
- In a recent Abu Garcia poll, the Susquehanna River was ranked 53rd and the Pymatuning Reservoir was ranked 90th in the top 100 best places to fish in the United States
- Our membership has grown to 291 members with only 1 youth member
- You can submit your email address to us so that you can received the Susquehanna Ripples and occasional email from the Chapter. We will not share your email with Trout Unlimited or anyone else

**Treasurer’s Report for the Service Partnership Raffle (Final)**

June 24, 2020 – March 17, 2021

Income:

Deposit 11/12/2020	140.00
Deposit 12/16/2020	110.00
Deposit 12/16/2020	190.00
Deposit 12/16/2020	340.00
Deposit 12/16/2020	70.00
Deposit 1/28/2021	232.00
Deposit 1/28/2021	125.00
Deposit 2/2/2021	160.00
Deposit 2/2/2021	180.00
Deposit 3/3/2021	220.00
Deposit 3/17/2021	<u>30.00</u>

Total Ticket Sales \$1,797.00

(Above number includes \$315 in donations)

Total Income: **\$1,797.00**

Expenses:

Envelopes/labels	\$ 21.98
Postage	\$ 137.50
Raffle Tickets	\$ 305.00
Small Games of Chance License	\$ <u>125.00</u>

Total Expense: **\$ 589.48**

Income \$1,797.00

Expenses \$ 589.48

Service Partnership Account Balance **\$1,207.52**



**Service Partnership Raffle Winner’s Announced**

The following are the results of the Susquehanna Chapter of Trout Unlimited’s raffle for the benefit of the chapter’s Veterans Service Program. The raffle was held on March 10, 2021 at the beginning of our ZOOM meeting. It was postponed from February 10 due to problems with the mail.

1. **The First place** prize of the Orvis Green Mountain 8’6” flyrod with Orvis Reel, vest loaded with flies and a landing net was won by **Dan Lamade**.
2. **The second place** prize of the Orvis Green Mountain flyrod 8’ with Martin Classic reel was won by **James Furey**.
3. **The third place** prize of the Orvis Limestone Special 8’ 6” flyrod was won by **Amy Kopec**.
4. **The fourth place** prize of the Orvis Small Stream 7’ flyrod was won by **Mike Engel**.
5. **The fifth place** prize of the E. Hille Lamiflex 6’, 4 wt. flyrod was won by **Glen Lehman**.
6. **The sixth place** prize of the Lamiglass 7’ spinning rod was won by **Leslie Miller**.
7. **The seventh place** Browning Gold Medallion 9’ flyrod was won by **Mike Engel**.

There were 330 tickets sold and we would like to thank everyone who participated in the raffle. The proceeds will be used for fly tying equipment and supplies, rod building supplies, and outings for the veterans and first responders in our program.

Charles Knowlden

**Donations Received**

Kelly Kriner 5 spinning poles and reels



## Researchers ask anglers' help with study of brook, brown trout colors, patterns

Penn State researchers, who are evaluating the colors, pattern variations and genetics of wild brook and brown trout across Pennsylvania, are asking anglers to help with their study.

They want anglers to submit photographs of wild brook and brown trout they catch and include a special gray card in the frame. To participate, anglers can request gray cards by going to this [website](#), and the cards will be mailed to them for inclusion in trout photos.

Anglers simply take a picture of a trout with the gray card in view and submit it via Survey123. Instructions on how to download that app will be included when they receive the gray cards, explained researcher Sara Mueller, doctoral candidate in wildlife and fisheries science.

The Survey 123 app will ask anglers questions about their catches, Mueller noted, adding that researchers promise that fishing locations will remain confidential and never be published as exact points. This research is open to all anglers who complete survey forms and are at least 18 years of age.

“The presence, absence, characteristics and timing of trout color — such as parr marks, halos around spots and breeding colors — can be noted,” she said. “We think that color and pigment patterns are very important in identifying genetic diversity in trout and charr. The pictures, along with their locations, will answer questions about the differences in patterning and color, including intensity, variation and seasonal changes.”

Mueller also will be able to look at the approximate size, and therefore age, of the fish in the

pictures with the gray cards included and estimate the timing of breeding condition as pictures are collected throughout the year. She is using computer software to quantify the color and pattern variations in wild brook and brown trout, comparing particular elements of interest shown in photos such as the red and yellow spots along the sides of brook trout or the red and brown spots along the sides of brown trout.

The motivating force behind the project was Eamonn Powers, a junior majoring in wildlife and fisheries science. He approached Mueller wanting to conduct research with brook trout, and this project was the result. He was awarded a grant by the College of Agricultural Sciences to fund his undergraduate research to begin analyzing angler photo submissions. An avid fly-fisherman for trout and other fish, he is focused on protecting wild brook trout and the headwater streams in which they still survive.

Mueller has been involved in wild brook trout research for a decade. As an undergraduate student at Penn State, she was hired in the summer of 2011 as a fisheries technician by Jay Stauffer Jr., distinguished professor of ichthyology, whose research lab was a partner in the Pennsylvania Fish and Boat Commission’s unassessed waters initiative, identifying streams inhabited by wild brook trout.

“If I had known in 2011 that I would be the poor, unsuspecting Ph.D. student analyzing fin clips 10 years later, I would have taken much better field notes,” she said with a wry smile. “But honestly, this has been a labor of love.”

With a warming climate, it’s important to learn all we can about the Eastern brook trout genome because the fish is threatened and mostly confined

to small, mountain streams, Mueller pointed out. “I’m still in the early stages of the DNA analysis, looking at their DNA in such a way that I can pick out local adaptations, resulting from functional genes within isolated populations.”

Anglers participating in the study may want to take a step away from the stream bank to snap their photos, Mueller cautioned.

“While we want wild trout quickly photographed and released, I’ve already received emails in which people commented that they dropped their phone in the stream,” she said. “We really appreciate anglers contributing to our study — we don’t want it to be costly for them.”

To learn more about Mueller’s wild trout genetics research and the trout color study, watch this [YouTube video](#) and go to the [website](https://sites.psu.edu/troutstudy/) (<https://sites.psu.edu/troutstudy/>)

For more information, please contact Sara Mueller via email at [sjm5467@psu.edu](mailto:sjm5467@psu.edu).

The above article was copied from the Penn State Website (<https://news.psu.edu/story/652535/2021/03/25/academics/researchers-ask-anglers-help-study-brook-brown-trout-colors>).

The above article was written by Jeff Mulhollem and posted on the website on March 25, 2021



855-347-4545/(855-Fish-Kil)

If you see anything suspected to be a pollution, disturbance, or poaching on any waterway, regardless of how seemingly insignificant, report it immediately by calling the PFBC toll-free hotline: 855-347-4545.

**Treasurer's Report for April 1, 2020  
through March 17, 2021  
Submitted by Bob Baker, Treasurer  
M & T Bank Account closed**

**Checking Account**

Starting Balance 4/1/2020	<b>\$3,997.19</b>
Income:	
Donations	\$ 252.50
Merchandise sold	\$ 145.00
New Member Rebate	\$ 255.00
Raffle tickets	<u>\$1,767.00</u>
Total Income	\$2,419.50
	\$6,416.69
Expenses:	
Bank Service Charge	\$ 27.93
Fundraising - Envelopes/labels	\$ 21.98
Fundraising - Postage	\$ 137.50
Fundraising - Raffle Tickets	\$ 305.00
Fundraising - Small Games of Chance License	\$ 125.00
Sales Tax Paid	\$ 18.30
Charles Knowlden Rod making kit for Service Partnership	\$ 180.55
Withdraw funds to deposit In Woodlands bank	\$5,000.00
Total Expenses	\$5,816.26
Checking Account Total:	<b>\$ 600.43</b>

**Savings Account**

Starting Balance 4/1/2020	<b>\$8,586.90</b>
Income:	
Dividends	\$ 10.54
Donations	<u>\$18,333.33</u>
Total Income:	\$18,343.87
	\$26,930.77
Expenses:	
Bank Service Charge	\$ 50.00
Savings Account Ending Balance	\$26,880.77

Money in Bank	
Checking Account:	\$ 600.43
Savings Account:	<u>\$26,880.77</u>
	<b>\$27,481.20</b>

3/17/2021 accounts closed \$000.00  
(Check received for \$27,481.20)

**Treasurers Report for March 4, 2021  
through March 31, 2021  
Woodlands Bank**

**Checking Account:**

Income:	
March 4, 2021 Initial deposit	\$2500.00
March 17, 2021 Deposit from M& T Bank	\$27,481.20
March 17, 2021 Deposit 20 raffle tickets	\$ 30.00
Deposit 10 donation	
Total Income:	\$30,011.20
Expenses:	
March 4, 2021 Box of checks	\$ 27.95
March 18, 2021 Transfer to Savings	\$24980.25
Total Expenses:	\$25,008.20
<b>Checking Balance</b>	<b>\$ 5,003.00</b>

**Savings Account:**

Income:	
March 4, 2021 Initial deposit	\$2500.00
March 18, 2021 Transfer from Checking	<u>\$24,980.25</u>
<b>Savings Account Total:</b>	<b>\$27,480.25</b>

<b>Total Money in Bank ;</b>	<b>\$ 5,003.00</b>
	<u><b>\$27,480.25</b></u>
	<b>\$32,483.25</b>

## Brood X Cicada Hatch Promises the Wildest Dry-Fly Action in 17 Years

Written by Morgan Lyle  
Published on Fieldandstream.com website  
on March 1, 2021



During a cicada hatch, brown trout can't help but hit a meaty terrestrial pattern. Patrick Fulkrod

This spring, Cicadas are going to hit the Northeast and Midwest with a vengeance. Here's how you can get in on the bite.

Fly-fishers in the eastern half of the U.S. are eagerly anticipating a hatch 17 years in the making: the Brood X cicada emergence. From around mid-May through June, billions of these chubby bugs will be singing in trees from Georgia to Pennsylvania to Illinois. They don't belong in the water, but many will end up there anyway, and fish will respond just as you would expect.

You need a heavier leader than the spider web you use for dainty mayfly patterns, but otherwise, fishing cicada patterns is pretty much the same as your every-season beetles, hoppers, and ants. If you're in an area with a heavy hatch and, importantly, trees near the water, you stand a good chance of having an exciting Brood X experience.

"When cicadas hatch, everything eats them," says guide Patrick Fulkrod, founder of the South Holston River Company in Tennessee. "It's incredible. As soon as your fly makes a splash on the water, everything will want a piece of it. I've had birds diving for them, and I've even seen squirrels swimming in the river after them. Also, fish that you've never seen eating aggressively on the surface, like carp, stripers, and catfish, will go for cicadas."

### Where Will the 2021 Brood X Cicada Hatch Happen?

The cicadas of Brood X (it's a Roman numeral; X is one of 12 broods with a 17-year life cycle) were born in

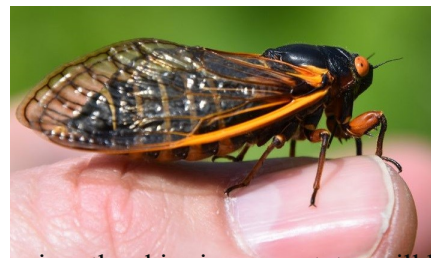
2004 and have spent all these years underground, feeding on tree roots, tunneling around, and biding their time. During their brief six weeks above ground, they will call out for mates with a high-pitched drone often compared to the sound of the invaders in *War of the Worlds*.

Scientists have identified nearly 3400 species and sub-species of cicada around the world, and the list is growing. The Brood X cicadas are *Magicicada septendecim*, black and orange with red eyes, with bodies a little over an inch long and wings a bit longer. Based on past emergences, they're expected in Delaware, Georgia, Illinois, Indiana, Kentucky, Maryland, Michigan, North Carolina, New Jersey, New York, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia, and Washington D.C. They don't hatch uniformly across the states; it's quite localized. Fulkrod has told inquiring clients he expects more cicada activity in the Knoxville area, about 100 miles to the west, than in the northeast corner of the state, where he's based. County-level maps can be found online.

Tom Baltz is a top-tier fishing guide and writer, but he's mostly a mayfly guy, and he was caught a little off-guard on a trip to Penn's Creek in Pennsylvania during the 2004 emergence. "As soon as we opened the car door and stepped out, I knew we were in trouble, because I didn't have anything like a cicada, and it sounded like there were Martians landing," he says. The trout, he recalls, "looked like sharks coming up and grabbing seals."

"They only hit the cicadas that fluttered," he says. "If they weren't fluttering, the trout just let them float through." Baltz put that observation to work when guiding clients on nearby Clark's Creek: the flat pools were frustrating, but trout in the riffles above were more cooperative. He still didn't have a cicada pattern per se, but a good-sized hopper took fish in the broken water.

A big part of the fun is the fact that fishing a cicada emergence is mostly a topwater experience. But George Daniel, the guide and author who teaches fly-fishing at Penn State, says that sometimes, trout are more willing to grab a cicada pattern drifting below the surface than one floating on top. His Sunken Cicada pattern is designed for such days.



This spring, the skies in many states will be filled with cicadas. [CicadaMania.com](http://CicadaMania.com)

Continued on the next page

*Brood X Cicada continued*

## 5 Tips for Flyfishing a Cicada Hatch

Here are a few things to keep in mind if you want in on the Brood X action:

### 1. Stick to the Trees

Fish where the bugs are. “One thing you need to have a lot of cicadas is a lot of trees,” Baltz says. Rivers, streams, and still waters bordered by treeless meadows aren’t likely to be much good.

### 2. Use a Heavy Tippet

You’ll be casting wind-resistant bugs at least an inch long, and might be catching good-sized fish, so use 3x tippet or even heavier.

### 3. Twitch Your Fly

Try twitching your fly—slightly—to inspire fish to strike in calm water. Be ready to relocate to swifter sections if the pool fish are too fussy.

### 4. Get Under the Surface

Be willing to fish subsurface. Try George Daniel’s Sunken Cicada, or pull a topwater pattern underwater with split shot on the leader.

### 5. Focus on Other Species

Don’t restrict yourself to trout. For example, the cicada hatch is a great opportunity to catch carp at the surface. And anything that will put smallmouth bass on your line is worth doing.

“Don’t overthink it,” Fulkrod says. “You don’t need to be that calculated. These are easy meals for these fish. They’re fighting each other for this food.”

### Brood X Cicada Mania Has Started Already

After the 2004 hatch, Baltz eventually did tie up a few deer-hair cicada patterns. But he hasn’t had occasion to use them yet. He enjoys seeing so many anglers excited about cicadas, especially at a time when so

many other activities have been restricted.

“Everybody’s all pumped about it, and right now, that can’t be a bad thing,” he says. “People are tying flies, and they’re buying stuff in fly shops. I’m gonna get that little box out from 17 years ago and stick it in my vest in case I bump into cicadas with clients.”

### When Will the Next Cicada Hatch Happen?

If Brood X doesn’t work out for you this time around, don’t despair. Brood XIV, another 17-year event, is expected to bring cicadas to most of the same states, plus Massachusetts and North Carolina, in 2025. Meanwhile, anglers from Oklahoma to Georgia and up into Illinois and Indiana can look forward to Brood XIX, a 13-year emergence, in 2024. There are also sometimes “straggler” events, like the Brood X cicadas that emerged in 2017, and many places have at least a few annual cicadas. Visit [cicadamania.com](http://cicadamania.com) for more.

The above article was reprinted with the permission of its Author Morgan Lyle and of the publisher Fieldandstream.com. The article was taken from [www.fieldandstream.com/story/fishing/how-to-fish-a-cicada-hatch/](http://www.fieldandstream.com/story/fishing/how-to-fish-a-cicada-hatch/). The Chapter would like to thank them for allowing us to reprint this informative article.



If you haven’t got your copy of the 2021 Pennsylvania Fishing Summary / Boating Handbook, you can get yours by clicking the link below.

[http://www.fishinpa.com/wp-content/uploads/2020/11/FINAL-2021-PA-Fishing-Summary\\_Web.pdf](http://www.fishinpa.com/wp-content/uploads/2020/11/FINAL-2021-PA-Fishing-Summary_Web.pdf)



This book was sent to the printer before the final decision was made on the mentored youth days and the statewide opening of trout. There is only one mentored youth day (March 27 statewide) and only one opening day (April 3 statewide)

Please be aware of the rules and regulations before you head out onto the water. The summary book gives a great overview but may not provide all the rules specific to a particular body of water or species of fish. If you have any questions, please call the PFBC Law Enforcement Office at (814) 359-5250



## Microplastics found in Loyalsock Creek

A study conducted throughout 2020 by PennEnvironment found microplastics in every stream they tested. First what is a microplastic?

The dictionary definition is “extremely small pieces of plastic debris in the environment resulting from the disposal and breakdown of consumer products and industrial waste.”

We have all seen plastic litter strewn along the roadways and with trout season just starting, we will see bait containers, hook wrappers, and other plastic waste in and around our waterways.

“Plastic littered on roads, in streams, or in the ocean can release tons of microplastics, but plastic waste disposed of in landfills can also release microplastics into the environment through wind, rain, and landfill leachate.<sup>17</sup> The burning of plastic or other waste can also create airborne microplastic particles.<sup>18</sup> Microbeads from cosmetic and personal care products can enter the environment at their manufacture or through sinks and drains.<sup>19</sup> Nurdles, the raw plastic feedstock that are used to make new plastic items, are lost by the millions every year.<sup>20</sup> Synthetic materials in car tires release microplastics onto roads that are swept into stormwater infrastructure.<sup>21</sup> Clothing and other textiles are also a major source of microplastics. Fibers are one of the most commonly found types of microplastic and they’re sourced from synthetic and hybrid materials like fleece.<sup>22</sup> Normal wear and tear will release microplastics into the air, and cleaning these textiles in a washing machine releases millions of microfibrils into wastewater infrastructure that treatment plants are unable to fully filter out.”

“There are four types of microplastic pollution:

1. Fibers: primarily from clothing and textiles
2. Fragments: primarily from harder plastics or plastic feedstock
3. Film: primarily from bags and flexible plastic packaging
4. Beads: primarily from facial scrubs and other cosmetic product

The small size of microplastics makes it easy for them to be carried by wind and rain and deposited in the environment far from their source. Meaning, plastic disposed of in a landfill can still contaminate waterways.

For a bird or fish, it’s easy to mistake these small pieces of plastic for food - especially when there are billions of pieces of microplastic floating in the waterway. Scientists have found that ingesting even tiny particles of plastic can alter the behavior and metabolism of fish in our lakes and rivers – and people can ingest these pollutants as they make their way up the food chain.

PennEnvironment tested 53 bodies of water throughout Pennsylvania and Loyalsock Creek was one of them.

They found that Loyalsock Creek had detectable levels of microfibers, microfilm, and microfragments.

To see the full report, you can go to the PennEnvironment website at <https://pennenvironment.org/reports/pac/microplastics-pennsylvania>

The Sun Gazette did an article on this study and was in the March 9, 2021 issue of the Williamsport Sun Gazette. Here is the link to that article:

<https://www.sungazette.com/news/top-news/2021/03/study-reveals-microplastics-contamination-in-loyalsock-other-streams-across-state/>

*Some information for this article was copied from the PennEnvironment report on their study and can be found at the link above.*

For more information as on this, please go to the Middle Susquehanna Riverkeeper web page. He has written two great articles on this

<http://www.middlesusquehannariverkeeper.org/blog/series-of-studies-highlight-reality-of-microplastics-in-regions-waterways>

<http://www.middlesusquehannariverkeeper.org/blog/column-realistic-next-steps-as-we-digest-microplastic-waterway-issues>



The Middle Susquehanna Riverkeeper will be hosting a HERYN program in June with the hopes of connecting young people with outdoor experiences through hands-on fishing and kayaking instruction in a fun yet safe environment.

There will be six concurrent HERYN Program days on Monday June, 21, 2021, through Saturday, June 26, 2021. Each day, we will be accepting 12 new students aged 10-13 years old.

The course will be held at the Central Pa. Wesleyan Campground located at 413 Buck Road, New Columbia, PA in northern Union County.

Each program day will introduce 12 young people with hands-on instruction in both kayaking and fishing. The participants will be divided into two groups of six, with each group alternating each hour between kayaking and fishing instruction for a total of three hours in each program area.

There will be some work during kayaking instruction in the campground's swimming pool. For more information or to register, please go to the Middle Susquehanna Riverkeeper website at <http://www.middlesusquehannariverkeeper.org/heryn-program.html>



### Sunken Cicada

Pattern and tied by George Daniel

- **Hook:** #6 TMC 5262
- **Thread:** 6/0 (140 denier) Orange
- **Weight:** .035 Lead wire or substitute
- **Rib:** 4X Tippet
- **Overbody:** Black Hareline Dubbing Furry Foam
- **Underbody:** Orange chenille
- **Legs:** Hareline Dubbing Black & Orange
- **Wings:** Mixed orange & white Kreinik Flash



### The Cicada Bomb

Pattern and tied by Pat Cohen

- **Hook:** #1/0 Ahrex TP610
- **Thread:** 210 Flat wax nylon, 200 Veevus GSP
- **Tail:** Hareline Calf Tail, Krystal flash
- **Body:** Deer belly hair trimmed
- **Wings:** Hareline Calf tail, Krystal flash
- **Legs:** Hareline medium grizzly round rubber
- **Head:** Deer belly hair
- **Eyes:** Flymen Seaducer 4mm
- **Glues:** Loon head cement, Loon Soft Head

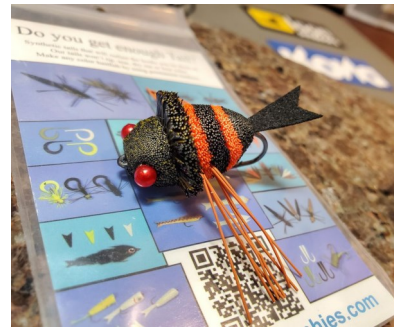
Billions of the Brood X Cicada are expected to emerge from their underground homes after 17 years this May. They will blanket the East Coast and will present outstanding fishing opportunity for approximately 5 weeks. Choose these patterns or any other cicada pattern / lure to give you the best chances of catching trout and bass!



### The Sonic Cicada

Pattern and tied by Steve Yewchuck

- **Hook:** #1/0 Partridge Attitude Extra Salt
- **Thread:** Orange UTC Ultra Thread 8/0 (70 denier)
- **Body:** 6mm pre-cut black foam
- **Abdomen:** Thread wraps
- **Thorax:** Orange and black pre-cut foam layered and glued with super glue
- **Eyes:** Red pinheads
- **Legs:** Orange/black barred round rubber, medium
- **Wings:** JBM Pike Skinz Predator white fibers mixed with DNA Holo Fusion in shrimp color



### The Spent Cicada

Pattern and tied by Brandon Bailes

- **Hook:** #2 Ahrex NS110
- **Thread:** Veevus 200 denier, black
- **Body:** Deer belly hair
- **Legs:** Fine round rubber
- **Tail:** Chuck Kraft suede
- **Eyes:** Bobby pins

## Clean Your Gear

The Pennsylvania Fish and Boat Commission recently found the invasive Zebra Mussels in Raystown Lake as well in moss balls sold for aquariums.

Invasive species continue to pose a threat to our waterways. The PFBC states “Aquatic Invasive Species (AIS) may be microscopic and can be plants or animals. AIS have the potential to cause significant economic and ecologic harm to our waterways by competing with native and game species for space and food. Anglers, boaters, swimmers and others who contact this water can unknowingly spread AIS.”

The United States Fish and Wildlife Service recently posted to their facebook: “we are asking all fly fishing anglers to not use felt-soled wading boots because they can help spread zebra and quagga mussels, faucet snails, spiny water fleas, didymo or rock snot (algae), whirling disease and VHS disease in fish.”

Although it may not be feasible for everyone to go out and replace their felt soled waders or wading boots, there are things each of us can do to help minimize, and stop, the spread of invasive aquatic species.

Many AIS can't be seen and are microscopic. It's important to clean your gear even if it doesn't appear to have anything on it. Follow the cleaning instructions below after the water has been removed.

1. Do not move or release animals or plants to other waterways.
2. Dispose of unwanted fishing bait in the trash.
3. Remove any plants and debris from your gear after getting out of the water
4. Use hot (140° F) water to clean your equipment.
5. Spray equipment with a high-pressure washer. If hot water is not available, a commercial hot water car wash also makes an ideal location to wash your boat, motor and trailer.
6. Or, dry everything before entering new waters. Allow equipment to dry to the touch, and then allow it to dry another 48 hours. Thick and dense material like life jackets and felt-soled wading gear will hold moisture longer, take longer to dry and can be more difficult to clean.

This is such an easy thing for all of us to do. Check our gear when we are done fishing and clean it when we get back home.

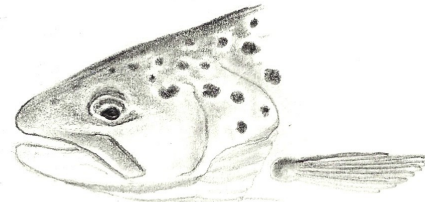


The Pennsylvania Fish and Boat Commission (PFBC) is very interested in receiving public comments, thoughts, and opinions about the Commission, fishing and boating,

and the Commonwealth's aquatic resources. As a result,

the PFBC has developed an online presence known as **The Fishing Hole** (<http://pfbc.pa.gov/forms/contactUs.htm>) to collect and analyze your feedback.

## Merry Fishmas

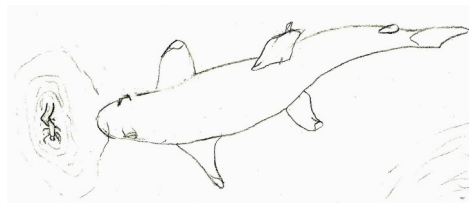


We hope that you that you were able to get out and enjoy the opening day of trout. It's a little different this year starting two weeks earlier than we are used to.

The rain we had mid week has made the water a little higher and dirtier but the trout are there.

We want to remind you that the Chapter has a large supply of inventory that we have received through donations.

If anyone is in need of a fishing pole, reel, some flies or lures, or anything, please let us know.



## Fly Tying Hook Database

As a fly tyer, one of the challenges we all face is finding the right hook. A pattern calls for a specific hook and we don't have it. What do we do? Many times we just use whatever hooks we have available or search the internet.

We recently found a Fly Tying Hook Database developed by Rick Wallace of the [tacklevillage.com](http://tacklevillage.com). Currently the database offers 160 different kinds of hooks. To use the database which is very simple, you simply pick the brand of hook from a pull down menu then select the model number, again from a pull down menu. Hit the search button and a list of equivalent hooks comes up. They are continually updating their database and ask that if there are any hooks that are missing from their database, to let them know so that they can add them.

Check them out and you will find how easy and convenient this new tool is.



Susquehanna Ripples  
Susquehanna Chapter of Trout Unlimited  
PO Box 1132  
Williamsport, PA 17703 - 1132

Since 1964, the Mission of the Susquehanna Chapter of Trout Unlimited is to work to conserve, protect and restore Central Pennsylvania's Coldwater fisheries and their watersheds

### *Upcoming Events*

**November 1, 2020 through April 30, 2021**

Mandatory Life Jacket Requirement

**April 3, 2021**  
Opening Day of Trout Statewide

**April 14, 2021**  
Chapter Meeting

**April 14, 2021**  
PFBC is offering a Virtual introduction to Kayak fishing

**April 21-22, 2021**  
PFBC is offering a virtual Women's intro to fly fishing

**April 21, 2021**  
PFBC is offering a virtual family fly fishing program

**May 1, 2021**  
Opening day of Walleye and Get Outdoors Event in downtown Williamsport 9 am

**May 12, 2021**  
PFBC is offering a Virtual introduction to Kayak fishing

**May 22 - 28, 2021**  
National Safe Boating week

**June 12, 2021**  
Opening day of Bass

**July 4, 2021**  
Fish for Free Day

**September 7, 2021**  
Extended Trout Season Begins

**September 8, 2021**  
Chapter Meeting

**October 13, 2021**  
Chapter Meeting

**November 10, 2021**  
Chapter Meeting

**Chapter meetings** held on the 2nd Wednesday of each month and are open to the public and begin at 7:00 pm (unless otherwise noted). Meetings are held at the **Covenant Central Presbyterian Church, 807 W 4th St, Williamsport, PA 17701**, in the Fellowship Hall (unless otherwise noted). Parking is at the rear of the Church and enter off of Campbell Street.

No meetings are held in May, June, July, August or December

The ***Susquehanna Ripples*** is the official newsletter of the Susquehanna Chapter of Trout Unlimited. It is published 8 times a year: January, February, March, April, June/July, September, October, and November. Please consider submitting something of interest to our readers; a story, stream report, recipe, photograph, gear review, etc. Submissions received will be placed in the next available issue. All submissions can be sent to [susquehannatu@gmail.com](mailto:susquehannatu@gmail.com) or [boblaker@comcast.net](mailto:boblaker@comcast.net).