

Susquehanna Ripples



Newsletter of the Susquehanna Chapter of Trout Unlimited #044

February 2020

Susquehanna Trout Unlimited Presents: Meet Your PA Fish & Boat Commission

Susquehanna Chapter of Trout Unlimited will welcome PA Fish & Boat Commission Executive Director Timothy Schaeffer, Commission President Eric Hussar, and local Waterways Conservation Officers Emmett Kyler and Jacob Bennett at its February 12th public meeting. Mr. Schaeffer will lead off with a presentation on the strategic plan for the Commission. The public is encouraged to attend and take this opportunity to learn about fishing and boating programs and the important role of the Commission in conserving and protecting our environmental and recreational resources in our northcentral PA region, as well as to share their thoughts, concerns, and ideas with Commission officials. The meeting will be held on Wednesday, February 12 at 7:00 p.m. at Covenant Central Presbyterian Church Fellowship Hall, at the rear of 807 West Fourth Street in Williamsport (enter off of Campbell St.) For more information, please see our website at <https://susquehannatu.com/>.

The program (Chapter meeting) for the March 11th meeting which will be Geoff Smith, Chief Susquehanna River Biologist, presenting on research findings and state of the Susquehanna River fishery.

FLY TYING COURSE OFFERED

Susquehanna TU is pleased to announce that it will be offering its annual fly tying course on Tuesday evenings starting February 4, 2020 and running through March 31, 2020. The classes are free and open to the public and will be held weekly from 7:00 pm to 8:30 pm at the Covenant Central Presbyterian Church, 807 W. 4th Street, Williamsport (parking and entrance at rear off of Campbell Street). The course will include an instruction manual and tools and materials needed to tie your flies during each session. If you have your own tools, you are encouraged to bring them with you. Beginners and all skill levels are welcomed and instructors will include notable local fly tiers. Class size is limited to 20 students and is first come, first served. Last year's class filled up quickly and was a big success. You can register by sending an email to susquehannatu@gmail.com. Please list the names of everyone you would like to register, their experience levels, and contact information (email and phone number). You can also register by calling Walt Nicholson at 570-447-3600.

Notice for this course was posted on our website and on Facebook on January 27, 2020 and we have received a number of registrants for the course. At the time of the publishing of this newsletter, we are near capacity in the course. If you are interested in taking the course, please let us know as soon as possible and we will try to accommodate everyone who is interested.



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Recipe of the Month

Salt-Baked Steelhead with Soft Herbs, Lemon and Cracked Fennel Seed

Ingredients

1 cup rock salt* or kosher salt
1/2 cup roughly chopped fresh flat-leaf parsley
1-1/2 tablespoons fresh finely chopped tarragon
1-1/2 tablespoons finely chopped fresh thyme
1 tablespoon cracked fennel seed**
1-1/2 teaspoons lemon pepper
Finely grated zest of one-half lemon
Finely grated zest of one-half orange
1 (1-1/2-pound) side of skin-on steelhead fillet
1-1/2 tablespoons extra-virgin olive oil
Kosher salt, for seasoning
*Sometimes labeled as salt for making ice cream
**Place seeds in a mortar and pound with pestle until they are cracked into small pieces but not finely ground

To prepare

1. Arrange a rack in the center of the oven and preheat the oven to 325° F. Line a large baking sheet with parchment paper. Pour the rock salt on top of the parchment paper and spread it around with your hands to form an even layer. Set aside.
2. In a medium bowl, combine the parsley, tarragon, thyme, fennel seed, lemon pepper, lemon zest and orange zest and mix until just combined. Set aside.
3. Place the steelhead, skin-side down, on top of the salt on the baking sheet. Using your hands, massage the oil into the flesh until it is evenly distributed. Season the steelhead with kosher salt, then gently press the herb mixture onto the flesh to cover the fillet evenly.
4. Bake the steelhead for 20 minutes or until the flesh is just opaque in the center.

Recipe taken from <https://www.opb.org/artsandlife/article/cook-salt-baked-steelhead-trout-country-cat-portland-food-recipe/>



Welcome New Members



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.

President's Message

By: Charles F. Knowlden, Jr.

This is the first of a series of President's Messages that I hope to include in every issue of the Susquehanna Ripples. It is my intention to inform the membership of the many ways that you can help the organization, assist in the conservation efforts, and provide the best fishing opportunities for our region of the commonwealth.

There are currently at least seven activities that our chapter is engaged in. These activities are currently headed by the same small group of people, mostly directors that have dedicated a large amount of time in seeing that they are completed. We need to spread the duties out among more members who are willing to give a little time to help with the details and make the activities more inclusive.

Our next activity is the fly tying course that starts on February 4 and runs through March on Tuesday evenings. Walt Nicholson has headed this program for the last few years. He has laid out a fine curriculum with the assistance of several others and we hope to provide three levels of instruction this year, beginner, intermediate, and advanced. If you would like to assist in teaching the classes, please let Walt know. Maybe you have a favorite fly that you tie and would like to give an evening or more to demonstrate the fly.

Our veterans program is changing this year. We are no longer affiliated with Project Healing Waters as it became too cumbersome to administrate for our chapter. However, as before, we welcome veterans to attend our fly tying classes and fly casting instruction. If you would like to plan an outing for the veterans, please contact me. It is just a small way we can give back to the men and women who have served our country.

The James V. Brown Library has discontinued the Angler's Alcove and returned the books and magazines to our chapter. Joe Radley is in the process of cataloguing and organizing a library with a wealth of reference materials that the members will be able to access. If you wish to be a part of this effort, please contact Joe.

Kevin McJunkin is our Media Liaison. He and Walt have been responsible for notices in the newspapers and radio. Walt has also been in charge of Program. He has planned all of the meetings through April. They would like to hear from members about any topic or speaker that you would like to have presented at our meetings. Please contact them with your ideas.

Our Youth Outreach and Women's Outreach programs have been very limited. We do sponsor Trout in the Classroom projects in a number of area schools, and several members participate in the Waterdale Environmental Education Center. We have partnered with the Lycoming County Conservation District to send a youth to a Fly Fishing Camp and we have had a one-day instruction in fly casting for women in the past. We need to improve our efforts in these areas and get more people involved. Giving up a day to assist stocking the trout fingerlings that the students have raised and giving fly casting demonstrations would be greatly appreciated.

As other opportunities arise, we will be asking for more help. If anyone has any other ideas where you feel the chapter can be of benefit to stream quality and fishing opportunities, please let any one of the officers or directors know.

Beware of Purple Paint

Beginning on January 27, 2020, purple stripes on trees, posts, etc.... mean the same thing as the No Trespassing signs you have seen marking an individuals property.

In November 2019, Governor Wolf signed House Bill 1772 into law that made the use of purple stripes an option for people who don't want to use traditional signs..

It is believed that the purple paint makes it easier to define property lines and provides a more visible notice that private property is not to be trespassed on.

The traditional signs that have been used fade, fall off trees and become damaged and the paint will be there without worry of being damaged or missing.

Property owners can use any purple paint they find in the store. It has to be the "NO Hunting" purple paint. The strips must be at least 8 inches long and 1 inch wide and placed no more than 100 feet apart.

As always, please do not trespass and attempt to get

landowners permission if you want to be on a property.

Information for this article was taken from the York daily record and written by Shelly Stallsmith at <https://www.ydr.com/story/news/2019/11/27/purple-stripes-mean-no-trespassing-pennsylvania/4323119002/>

Lackawanna River Named PA 2020 River Of The Year

The Lackawanna River was recently named the River of the Year for 2020. The Lackawanna beat out Brandywine Creek, Buffalo Creek, Connoquenessing Creek, and the Ohio River .

Many of our members fish the Lackawanna River as it is home to wild browns and contains Class A or Trophy Trout water as well as Stocked Trout Water above that. This is a great river to fish as there is unlimited public access.

Winter Fishing Opportunities for the diehard Trout Angler

With the mild winter we have had thus far and very little to no ice accumulating on our waterways, there remains to be tremendous opportunity for anglers to get out and pursue their favorite gamefish.

Delayed Harvest Artificial Lures Only

- Open to fishing year-round.
- Fishing is permitted on a 24-hour basis.
- Minimum size – 9 inches, caught on, or in possession on, the waters under these regulations from one hour before sunrise on June 15 to one hour after sunset on Labor Day.
- The daily creel limit is three trout (combined species) from June 15 through Labor Day, caught on or in possession on the waters under these regulations. From the day after Labor Day until June 15, the daily creel limit is zero.
- Fishing may be done with artificial lures only constructed of metal, plastic, rubber or wood, or with flies and streamers constructed of natural or synthetic materials. All such lures may be used with spinning or fly fishing gear.
- The use or possession of any natural bait, baitfish, fishbait, bait paste and similar substances, fish eggs (natural or molded) or any other edible substance is prohibited.
- Taking baitfish or fishbait is prohibited.
- An angler in a boat may possess bait and fish caught in compliance with the seasons, sizes and creel limits in effect for a water from which it was taken, provided that the boat angler floats through the Delayed Harvest, Artificial Lures Only area without stopping or engaging in the act of fishing or the boat angler puts in or takes out his boat at an access point within the Delayed Harvest Artificial Lures Only area.
- A current trout/salmon permit (or Combination Trout/Salmon/Lake Erie permit) is required.

Keystone Select Streams in our area

- **Little Pine Creek** – 3.9 miles; Little Pine Creek Road bridge located 1.0 mile upstream Otter Run downstream to inflow of Little Pine Lake
- **Loyalsock Creek** – 3.8 miles; 1.0 mile upstream Sullivan County line downstream to unnamed tributary located 0.9 mile upstream of Plunketts Creek
- **Lycoming Creek** – 3.0 miles; 0.5 mile upstream Daugherty Run downstream to 0.1 mile downstream of the SR 0015 bridge (Old Route 15) near Haleeka
- **Pine Creek** – 3.3 miles; Marsh Creek downstream to Bear Run

DHALO Streams

- **LYCOMING:** Pine Creek – 2.88 miles; from the confluence with Slate Run downstream to the confluence with Bonnell Run at DCNR Clark Farm Access Area
- **Muncy Creek** – 1.1 miles; 0.3 mile upstream T-650 bridge downstream to Big Run

Please refer to the 2020 Pennsylvania Fishing summary book for more waters available for year round fishing or special regulation waters. Go to <https://pfbc.pa.gov/fishpub/summaryad/2020summaryComplete.pdf> to download your copy.

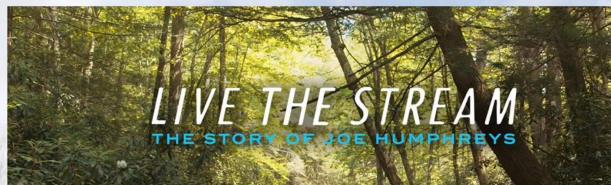
Thank you to the Covenant Central Presbyterian Church

The Chapter would like to extend our appreciation and thanks to the Covenant Central Presbyterian Church for their generosity in providing us space. When they were approached several years ago about the possibility of letting us have a room for our meetings, they immediately said yes and have accommodated us in every way that we have ask or needed. They gave us the space at no charge but The Officers/Directors voted at that time to give the Church a \$50 monthly donation to assist them with their mission / needs. We are truly grateful for the members of the Church in allowing us to have space in their beautiful Church.

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 or bobl baker@comcast.net.



Trout streams are fountains of youth for fly fishing legend, Joe Humphreys, a man who was born to fly fish, lives to teach, and strives to pass on a respect for our local waters.

Wednesday, February 19, 2020

7:00 pm

SPONSORED BY



**Tiadaghton Chapter
TROUT UNLIMITED**

\$5.00 Donation

for more information contact
Jim Weaver - 570-439-7729
jmwvr69@gmail.com

VICTORIA THEATRE
Main Street - Blossburg

Live The Stream is the inspiring life story of Pennsylvania's fly fishing legend, Joe Humphreys: a man who was born to fly fish, lives to teach, and strives to pass on a respect for our local waters. A visually stunning film, anyone with a pulse can appreciate Joe's contagious spirit and, at 86-years-young, trout streams are his fountains of youth. This is an emotion-packed adventure and Joe will catch your heart in this powerful tale of tenacity, life and love. For more information on this film, please go to <http://www.livethestreamfilm.com/>

This film showing is being sponsored by our friends at the Tiadaghton Chapter of Trout Unlimited. They are the Chapter to our north and please consider going and supporting them and seeing a great film on a fly fishing legend.

The Tiadaghton Chapter will also be hosting its Second Annual Chapter Fly Fishing Film Trout (F3T) to be held at the Dean Center with the Red Skillet catering on Saturday March 14 starting at 4pm. Details and sign up is at FLYFILMTOUR.com and you can also purchase tickets at the Dean Center. The Dean Center is located a short drive from Williamsport and is located in Wellsboro, PA (The Deane Center, 104 Main St, PO Box 102, Wellsboro, PA 16901).

Items free to a good home

I'm posting this with a heavy heart. As much as I love my fly fishing addiction, it takes up too much of my time and I am struggling to keep up with the everyday basics such as cleaning and maintaining my home, so something has to give.

I will be re-homing most of my stuff. Please don't ask questions, as I can't handle talking about it.

Below is a list of what's available. All FREE of charge, but only to good homes only. Serious inquiries only, please.

Thanks for reading and understanding.

1. Dustpan and broom
2. Sponges
3. Dusters
4. Mop and bucket
5. Window cleaner
6. Vacuum cleaner
7. Dishwashing liquid
8. Laundry detergent
9. Fabric softener
10. Laundry baskets
11. Toilet brush
12. Cleaning sprays
13. Scrubbing brushes
14. Lawn mower

Posted on the Facebook page fishaholics by Ed Faulx. Hope this put a smile on your face!!!



Fly of the Month



Rainbow Warrior

Materials Needed:

Hook: TMC 2457 #14-20

Bead: Silver Tungsten, sized to hook

Thread: 8/0 Red Tail: Pheasant Tail Fibers

Abdomen: Pearl Tinsel, medium

Wingcase: Stub End of Pearl Tinsel from abdomen

Thorax: Wapsi SowScud Dubbing, Rainbow

Pattern taken from <https://charliesflyboxinc.com/portfolio-items/fly-box-template-68/>

Tools needed for Fly Tying

Last fall, the Officers and Directors of the Chapter voted to end our relationship with the Project Healing Waters Program. There were several reasons for this and it was felt that our Chapter, and specifically the Veteran's we serve, would be a better fit under the Veterans Service Program offered through Trout Unlimited. Charles Knowlden, the Chapter Coordinator for this program, has been working diligently with National Trout Unlimited as well as the Veterans' Service Program offered through the Spring Creek Chapter. We will have more information on this program in the near future.

When we entered into a partnership with Project Healing Waters, that organization supplied our Chapter with 12 sets of fly tying tools and vices. We have returned these items to Project Healing Waters and are in need of tools.

The Chapter has purchased 12 fly tying tool kits with Vices to replace the kits we had to return. With the generous donations of many people over the years, we were able to put together 8 more kits (vices and tools) for use in our class's. We have a total of 20 kits and 3 extra vices and various tools.

We are in need of hair stackers, and Matarelli whip finisher, but will accept any tools and vices that can be used for our fly tying classes. The more sets we have, the more students we will be able to accommodate in future classes.

If you have anything you would like to donate, or donate monetarily so we can purchase the items needed, please contact any of the Officers listed on page 2, by sending an email to susquehannatu@gmail.com or by bringing items to any Chapter meeting or event.

We want to thank everyone who has donated in the past and everyone who considers our request.

PFBC Votes to end Fishing License Display Requirements

"Pennsylvania anglers will no longer have to display their fishing licenses on their outer garments while fishing after the Pennsylvania Fish and Boat Commission's Board of Commissioners voted to remove the longstanding regulation at its quarterly meeting this week.

Under the new amendment to Section 53.2 (PA Title 58), anglers will only be required to carry the license somewhere on their person while fishing, and to present it to a PFBC law enforcement officer upon request.

The change is intended to make things more convenient for anglers, according to PFBC executive director Tim Schaeffer. "By allowing people to simply carry their license in a pocket or in their wallet, rather than pinning it to an outer garment, we hope to hear about fewer licenses being lost and the cost associated with replacing them," he said in a press release announcing the change. "It also provides greater consistency with the Pennsylvania Game Commission's hunting license display requirement, so it should prevent any further confusion among hunters and anglers."

Anglers who would prefer to display their license on an outer garment can continue to do so, Schaeffer said."

This regulation change is not effective immediately but will take effect after it is published in the Pennsylvania Bulletin.

The above article was taken from <https://fox43.com> and was posted on January 29, 2020 by Keith Schweigert. See fox43.com for the complete article

Membership Application

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Email: _____

TU does not make email addresses available to outside parties, for any reason, ever.
Please help us conserve resources by providing your email address.

SEND APPLICATION AND PAYMENT TO:



TROUT UNLIMITED
PO BOX 7400
WOOLLY BUGGER, WV 25438

MEMBERSHIP CATEGORIES*

- | | |
|---|---|
| <input type="checkbox"/> New Members Only \$17.50 | <input type="checkbox"/> TU Teen (\$14) (13 - 18 y/o) |
| <input type="checkbox"/> Regular (Renewal) \$35 | <input type="checkbox"/> Life Membership (\$1500) |
| <input type="checkbox"/> Family (\$55) | <input type="checkbox"/> TU Business (\$295) |
| <input type="checkbox"/> Stream Explorer (\$12)
12 years old and under | |

PAYMENT METHOD

- ☐ Check ☐ Visa ☐ MC ☐ AMEX ☐ Discover
Make checks payable to Trout Unlimited

Card #: _____ Exp: _____

Name on card: _____

Membership contributions are tax deductible as allowed by law

To ensure correct New Member Rebate, enter Chapter/Council #:

#044

Watershed Summit **Summary Notes**

Attendees: 36+ in attendance. See attendance sign-in sheet.

SCTU Vice-President Walt Nicholson convened the fifteenth annual Watershed Summit at 7:00 PM on behalf of President Charlie Knowlden, under the weather this evening. He introduced the SCTU Officers/Directors and State/local officials in attendance. Walt stated that the purpose of the meeting was to learn about the volunteer efforts and accomplishments of our area's watershed groups, conservation organizations and agencies during 2019 and their upcoming plans to help preserve, protect and enhance our area streams and watersheds.

Walt said that the mission of the Susquehanna Chapter of Trout Unlimited is to preserve and protect Coldwater resources. He summarized upcoming activities:

- Fly tying classes begin the 1st Tuesday of February (Feb 4th) and continue through March for eight weeks. The class is free and participants receive a TU membership.
- Monthly Chapter meetings are on the second Wednesday of the month at the Covenant Central Church. Tim Schaeffer, Executive Director; Eric Hussar, President, of the PA Fish & Boat Commission (PF&BC); and Chad Lauer, Waterways Conservation Officer, will be speakers at the February 12th meeting
- The March 11th program will be Geoff Smith, PF&BC Chief Susquehanna River Biologist, reporting on the status of Smallmouth Bass and on other new study findings on the Susquehanna River
- Dr. Jon Niles and Shannon White have been invited to give a program about their Loyalsock Creek trout research at the April 8th meeting.

Walt stated that we have reduced the number of Summit presentations this year in order to allow the pre-

senters more time, and for more questions and answers. Groups that are not presenting at this meeting may be a part of future SCTU meetings or other programs to allow more in-depth coverage. Following are highlights from each presentation. The slide presentations for each may be found on the SCTU website at <https://susquehannatu.com>.

Loyalsock Creek Watershed Association

President Marc Lewis summarized activities undertaken or supported by the Association:

- He and his son paddled down the Loyalsock from Lopez, taking photographs to highlight stream projects and stream erosion issues, including the White Ash projects and erosion near Hillsgrove and the junction with Shanerburg Run.
- Participated in Worlds End Days.
- Continued to support the research of Dr. Jon Niles and Shannon White. He suggested attendees check out Shannon's Troutlook.com website to learn about trout genetic connectivity. He noted the research of Dr. Niles on trout populations in Dry Run following the late August 2011 and October 21, 2016 floods.
- Future activities in 2020 include supporting the NPC's Plunkett's Creek restoration project, working with the Conservation District and gas industry on environmental projects, and improved stream access.

Sullivan County Conservation District

Corey Richmond, Erosion and Sedimentation Technician and Dirt and Gravel Roads Program Administrator, introduced Gloria Norcross, the new Watershed Specialist, and summarized some of the events and activities:

- Lick Creek flood control pro-

ject, including installation of rock bars into the stream channel – now a popular fishing spot

- Public Education initiatives – Ricketts Glen State Park Earth Day & Worlds End Day
- Convened a popular Rain Barrel/Stormwater Management Workshop – participants constructed and received a rain barrel.
- Installed two cross vanes on Hoagland Branch.
- Continued the Dirt and Gravel Program with \$500K in projects, benefiting local watersheds by reducing erosion and sedimentation, including improved aquatic organism passages.
- In 2020 plans to continue the Elk Creek Project with Chief Oil & Gas and PF&BC and Phase II of Lick Creek.
- Projects have generally held up well through recent floods. In 2016 they re-installed some PF&BC structures – much cheaper to replace and they are holding up well and provide better fish habitat than rip-rap.
- Mill Creek road update - a 1 ½ mile stretch will be abandoned – State Forest District is cutting a new route and removing bridges (can't reuse culverts due to damage during removal).

Lycoming College Clean Water Institute (CWI)

Dr. Mel Zimmerman noted that the CWI celebrated their 20th Anniversary. Over the years they have had over 250 interns. Their mission entails service, education, and analysis. He introduced Dr. Bob Smith and Dr. Leslie Rieck of the staff. Mel summarized 2019/2020 CWI initiatives

- Continue to monitor stream restoration work on Wolf Run. All four sites are now supporting reproducing brown trout.

Continued on next page

- Continued to provide Environmental Programs for 600 students through the Waterdale Environmental Education Center and a floating classroom on the Hiawatha river boat. Developed a curriculum guide.
- Continued to participate in the Unassessed Streams Initiative in conjunction with the Susquehanna River Heartland Coalition, potentially leading to Special Protection water quality status for additional streams. Forty two streams were surveyed in 2019, and 566 since 2010.
- MS4 (Municipal Separate Storm Water System) – Dr. Smith is heading this effort. Recently received a \$250K Urban Stormwater grant. Will be evaluating urban stream sites for Best Management Practices.
- Hellbender Research - Dr. Peter Petokas is continuing his Hellbender research on Kettle, Lycoming, Loyalsock and the Sinnemahoning Creeks, now using e-DNA analysis. The Hellbender is the PA State Amphibian thanks to legislation sponsored by Senator Yaw.
- Rose Valley trophic monitoring.
- Lycoming College field station on the Loyalsock (116 acres) has been established. Using Sondes technology to monitor eight water quality parameters on the Loyalsock.

Lycoming Creek Watershed Association (LCWA)

President Mike Ditchfield stated that the mission of the LCWA is "to enhance the ability of our neighbors to improve the quality of our watershed." They want to bring people together, to be agents of change. He summarized LCWA activities:

- Trout in the Classroom with St. Johns Neumann High School at Trout Run Park
- Continuing to work on the ambitious "Midway" project in

partnership with Union Township in Tioga County, Larry Brannaka of the USFWS, and Marcus Kohl of DEP. The project, on Lycoming Creek in the Roaring Branch area, will result in streambank stabilization, flood damage reduction, and sediment reduction.

- LCWA is maintaining their nonprofit status, launching a membership drive, and plan a stream cleanup on April 25.
- Next meeting is Jan. 21st at 7:00 PM at the Trout Run Fire Hall. Michael Tinney will have a stream video.

Northcentral PA Conservancy (NCPC)

The Northcentral PA Conservancy is a land trust devoted to conserving the working farm and forest lands and watersheds in Northcentral PA. The Conservancy works with property owners, PAFBC, DEP, the County Conservation Districts and others on stream improvement projects by administering a Growing Greener grant program; including stream bank stabilization, riparian fencing, manure management, farm conservation plans, and other projects.

Renee Carey summarized the flood plain restoration project on SGL 134 Camp Mountain Road north of Barbours. Phase I will be to reconnect Plunkett's Creek to its floodplain by removing an 1840' long 16,000 cubic yard earthen berm that was installed in 1950. The U.S. Army Reserves 333rd Engineering Company will do the work. Phase II is to stabilize approximately 500' of stream bank, working with Mark Sausser of the PAFBC.

Renee also reported about a stream access project in Jersey Shore, providing the only stream access to Pine Creek from the Clinton Co. side. NCPC acted as a conduit to transfer the property from George and Shirley Durrwachter to the PADCNr.

PADEP Growing Greener Program

Jason Fellon of DEP Waterways and Wetlands works with various groups in the permitting process.

- He stated that the Loyalsock mainstem and tributaries are being evaluated for stream redesignation. It is a long process - data has been collected since 2008 - redesignation should be coming out in a year or so.
- DEP has many resources available though its website, including interactive story maps for macro-invertebrates, Turtle Creek projects, and the Susquehanna.
- Growing Greener Projects can include ag BMP's, stream improvements, environmental education, lime dosing – or other projects to improve water quality and health. The Grant Program has about \$30 million. There were 225 applications for the Jan. 3rd grant round. There will be additional grant rounds later this year.
- Regional Director Marcus Kohl will kick off a Phase III Chesapeake Bay Watershed Implementation Plan county-wide planning process this Fall.

Lycoming County Conservation District

Walt introduced Carey Entz-Rine, Watershed Specialist, as a very valuable environmental education resource person. Carey summarized the District's activities:

- Muncy Creek emergency bank stabilization project to protect a Hughesville water supply well. Completed a number of other emergency flood protection projects
- Vector borne Disease Control program.
- Continued the Dirt and Gravel Road Program with 8-12 projects/yr.

Continued on next page

- Completed projects on Wolf Run, an ag impaired stream near Pennsdale.
- Trout in the Classroom educational initiatives with six schools.
- Continued to provide environmental education programs at the Waterdale Center.
- Scholarships are available to PA Rivers Conservation & Fly Fishing Youth Camp and Conservation Leadership School.
- County Farm BMP project.

Harvey Katz – Climate Change and Other Natural Perturbation

Harvey, a Scientist, distributed a draft of his paper about Climate Change and other Natural Perturbations. Temperature was fairly steady at the turn of the century before trending upward, with declines during low fossil fuel consumption levels in WWI, the Great Depression, and WWII. The velocity of temperature changes started increasing about 1956.

Normally after a new temperature record, there is a pullback. High temperature records were set in 2014, 2015, and 2016. Temperatures declined slightly in 2017 and 2018. There were a number of extreme climate events in 2019, including record temperatures in Anchorage, Alaska; extreme heat in France and the American Southeast; Australia wildfires, and unprecedented rainfall in Indonesia. He expects that the 2019 average global temperature, when announced in a few weeks, will show another record increase.

Some of the impacts of climate change and other man-induced impacts include a significant decline in bird species, decreasing from ten billion birds in 1970 to 7.1 billion in 2019. Insects are decreasing 2 ½% every year. Bee colonies and bat populations are collapsing (over 90% in PA).

Harvey ran an exponential progression based on temperature data from NASA. The critical two degrees Celsius (3.6 degrees Fahrenheit)

temperature increase, with increased risk (as determined by scientists) of catastrophic environmental and economic impacts, will be reached in late 2025/early 2026 if present trends continue.

Other Updates

- Eric Hussar, President of the PA Fish & Boat Commission, noted that the PAFBC will be putting in \$2.5 million to match EPA's \$2.5 million for stream restoration projects.
- Mr. Hussar also announced that the PAFBC will be having their quarterly Commission meeting in Williamsport on April 27-28.
- Rachel Kester of PA Trout Unlimited stated that Coldwater Heritage Grant applications are due on January 17th.
- The Keystone Coldwater Conference is on Feb 28-29 in State College.
- Carol Parenzan has left her position with the Middle Susquehanna Riverkeeper Association.
- Slate Run Sportsman will meet the first Saturday in April.
- Tom Casilio, Tiadaghton District Forester, reported that Slate Run Manor Fork Road is open.
- Ruth Rhode of the Loyalsock Watershed Association said that Hoagland Branch Road is now open.
- Walt reported that work is beginning on the Pleasant Stream road west from Masten.

Closing

Walt Nicholson thanked the presenters and attendees. He said that the meeting demonstrated the ability of the organizations present to work together and leverage funds and volunteer efforts to carry out projects that help restore and protect our area's important waterways and their valuable assets of water quality, biological, and recreational resources.

Scott Metzger, Chairman of the Lycoming County Commissioners,

said that he was impressed by the numbers of organizations, their partners, and efforts done to address stream problems.

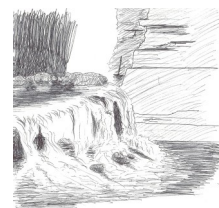
Walt noted that we were fortunate to have Corey Richmond with us in spite of his health issues, and said the SCTU Chapter will send him a letter in recognition of and thanking him for his many significant contributions and accomplishments to conservation and environmental improvements in our area watersheds.

Walt invited the attendees to stay after the meeting for refreshments and discussion.

The Watershed Summit concluded at 8:30 PM

Respectfully submitted,

Kevin McJunkin, Secretary



Thank you to our Watershed and Conservation Groups

The Susquehanna Chapter of Trout Unlimited would like to thank all the Watershed Organizations and Outdoor Conservation Groups and Individuals that work so hard to protect our resources. We know the amount of work that you do and that this work is done with limited resources (financially and manpower). We applaud you for everything that you have done and look forward to continuing our relationship and working with you in the future.

North Central Pennsylvania is a much better place because of your efforts and dedication and we can not thank you enough.

Please contact any of the groups mentioned above or listed in the January 2020 issue of the Susquehanna Ripples to see how you can help, and support, them.



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

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 - April 30, 2020
Mandatory Life Jacket Wear

February 1 - 9, 2020
The Great American Outdoor Show at
PA Farm Show complex

February 4, 2020
Fly Tying Class at 7 pm

February 11, 2020
Fly tying class at 7pm

February 12, 2020
Chapter Meeting - PF&BC Exec. Director, Tim Schaeffer, Eric Hussar, President PF&BC, Chad Lauer, Waterways Conservation Officer

February 15 - 16, 2020
21st annual Valley Outdoors Cabin Fever Expo in Mifflinburg

February 18, 2020
Fly Tying class at 7 pm

February 19, 2020
Live the Stream movie presentation in Blossburg

February 25, 2020
Fly Tying class at 7 pm

March 3, 2020
Fly Tying class at 7 pm

March 7 - 8, 2020
The Fly Fishing Show/Lancaster

March 10, 2020
Fly Tying class at 7 pm

March 11, 2020
Chapter Meeting - Geoff Smith, PF&BC Susquehanna River Biologist, Smallmouth Bass and other new findings of Susquehanna River Fisheries Studies

March 14, 2020
Fly Fishing Film tour at the Dean Center, Wellsboro

March 17, 2020
Fly Tying class at 7 pm

March 24, 2020
Fly Tying class at 7 pm

March 31, 2020
Fly Tying class at 7 pm

April 4, 2020
Slate Run Sportsmen Spring Meeting at 10 am at Hotel Manor. Go to slaterunsportsmen.com/calendar/ for information and to RSVP

April 8, 2020
Chapter Meeting

June 13, 2020
Slate Run Sportsmen Pat Eroh Summer Picnic at 1030. To be held at the Brown Township Fire Hall. Go to slaterunsportsmen.com/calendar/ for information and to RSVP

September 9, 2020
Chapter Meeting

September 12, 2020
Slate Run Sportsmen Fall Meeting at 1030 am at the Brown Township Fire Hall. slaterunsportsmen.com/calendar/