

Swatara Watershed Association, 1444 Facebook Followers

12.4.2019

Administration: New website at www.SwataraWatershed.org Welcome. In attendance: Mike Adams, Tom Embich, Ann Lasky, Jo Ellen Litz, Ben Miller, Denny Miller, and Jack Stouffer.

Secretary's Report: The Secretary's report was emailed, and unanimously approved on a(an) Stouffer/Lasky motion.

Treasurer's Report: Denny Miller's report was presented and approved on a B Miller/Stouffer motion. Denny will be moving his roll-top desk from the basement to the first floor in order to continue as our treasurer.

Income:

Rotunda Enterprises \$75

Salem Grant \$1000 (50% each Bordner Cabin and Well House Roof at SW Park)

First Energy Foundation \$750 grant (program being discontinued)

Expense:

On a Stouffer/Embich motion, Zinn Insurance will be paid \$571 for our insurance policy.

CLEAN WATER: To meet a federal mandate on the Chesapeake Bay, DEP wants Lebanon and other counties to produce a plan to reduce pollution in the Swatara Creek & its tributaries.

COMMON ENEMY RULE: And I always thought of water as my friend.

<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR—Archery Hunting after 10.31 Matthew Dommel.

Tom is working on the lawn mower. Ben will contact the Hershey Scout Troop to let them know we received a grant for materials if there's and Eagle Scout willing to tackle replacement of the well roof. Jo Ellen donated two children's life vests. Per Jen Rivera & Kelly Grube, First Energy's environmental group provided the following:

- The required permit is a Chapter 105 General Permit #11 with engineering and a PE seal, and would cost \$20K
- However, a Waiver is provided under Chapter 105.12 (b) that would allow for maintenance of an existing stream crossing structure, if it was installed before July 1, 1979. There is no required submission to the PA DEP to prove the date of the pipe to use this Waiver, it is simply done at your own risk.
- The channel can be cleaned 50' upstream and downstream of the pipe as part of pipe maintenance, with no permit. This would be beneficial at this crossing, downstream of the pipe. During heavy flows this will cause pool water to whirlpool and scour out the banks and fill around the pipe. Cleaning out the channel is a good short term fix.

Projects Available: Replace well roof (have four bundles of shingles), Floating dock (booklet shared); stabilize bank; treat Tree of Heaven

Bordner Cabin: An Historic Preservation Application is being prepared by Millersville College Student **Caroline Hamersky**. She has interviewed the new curator who previously worked at the PA Historical and Museum Commission at the Lebanon County Historical Society for tips on procedure and successful wording. When she graduates, Caroline wants to work in Historic Preservation. **Meet Caroline:**

<https://www.facebook.com/joellenlitz/videos/vb.1094403643/10219377402121149/?type=3> It will be up to SWA to approach DCNR, and guide the application through the process at the State level. Provided original and L&I blueprints.

- **Projects Available:** Restore spokes in two wagon wheels; porch bench; chimney repair; under porch and retaining wall; 2 Amish solar lights.
- DAR interested in Historical Register, but want us to apply to State, and they would apply nationally.

Bridges: Inwood Bridge is dismantled, and taken for repairs. Old peers down. New peers being poured.

Dam: Memorial Lake needs a new dam breast—30% deficient.

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding:

Volunteers Organizing After Disasters <https://www.facebook.com/LebanonCountyVOAD/> Please report losses to <https://helpdesk.lcdes.org>.

Lebanon Water Authority & PA American Water Co: No confirmation that the Mansion on Old Forge Road below Highbridge selling for \$300,000. PA American is conducting a second study with USDA.

Little Swatara: Fred Folmer said that because he is moving, on January 31 he will be resigning from the Bethel Township EAC. Fred will also attend a program on December 10 at Hawk Mountain on the Kittatiny Ridge from 3-4:30PM. He is willing to take members along.

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that the next meeting of LCS Consortium is 1.21 10AM, at 9220 Mifflin St. The LCCWA meets , 10AM, at the North Lebanon Township building. \$200,000 worth of projects include catch basins at Lions Lake and a development in North Lebanon Township. \$5M less than 4% of Bay sediment is from six municipalities. SESI developed a brochure on Community Association Responsibilities--retrofitting basins to make them bigger and deeper as well as landowner maintenance.

Quittapahilla: Ann Lasky shared Quittapahilla Park photos. Rock is stabilizing the streambank, planting of younger trees and seedlings took place, and Richter Trail connects to Route 934.

Pipelines: Mariner East Construction violations are in the news. Investigations are going on in Chester and Delaware by Josh Shapiro and the FBI. Permit irregularities are indicated, kickbacks and hidden payments, and rent-a-badge retired State Police were used for intimidation.

Press: Metrotrails coverage of the Bordner Cabin on Facebook

Rail Trail:

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn:

SRBC: WATER QUALITY MONITORING STATION is installed @ 1929 BBR. Data is displayed:

https://mdw.srbc.net/remotewaterquality/data_viewer.aspx

VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend

Water Trail: The Krall Barn will feature the Swatara Water Trail GIS layer with the Union Canal Locks both on the floor of the Barn in a first-class museum as well as on an interactive kiosk that will link to pictures of each lock. The map may be painted, and be preserved under an epoxy coating, or could be in tile, and may be lighted—depending upon the amount of money raised for completion of the interior. Attending the Historical Society Ball would be one way to support the project, or a direct donation designating the Krall Barn is another way.

On a motion by B Miller/Adams, SWA will participate in a Tri-County Regional Planning webpage by donating images for a Swatara Creek Story Map. There is no cost. Other participants include Dauphin County, Manada Conservancy, Perry, and Cumberland Counties.

Projects: Improve Harper's Access, Additional Signage, Portage around Lebanon Water Authority—east bank

Swatara State Park has a new manager, Courtney Troutman.

Other: ROE proof included corrections to agricultural numbers, Swatara, not Swattie..... High resolution pictures requested. NOT providing a complete write-up???

POWR invitation on March 27, for our 20-minute presentation on Trees and Trails Environmental Center in Mechanicsburg on ROE (Tali MacArthur)

A meeting was held in October on waste and storm water management in Swatara and Derry Townships. In attendance were municipal authorities, conservancies, and small scale private property owners. 60 people were in attendance.

Motion to adjourn by Embich/B Miller.

NO January Meeting. Bring your ideas for Sojourn Planning to the February meeting.

****At meetings, those in attendance are asked to refrain from private conversation.**

****Any person in attendance with a question or comment is asked to be recognized by the chair.**

Swatara Watershed Association, 1436 Facebook Followers

11.6.2019

Administration: New website at www.SwataraWatershed.org **KILL THE SPOTTED LANTERN FLY. DILUTED DAWN DISH DETERGENT WORKS. SQUIRT GUNS OR SET OUT TUBS. SCAPE EGGS INTO BAGGIES, AND TREAT WITH ALCOHOL OR HAND SANITIZER. TREAT TREE OF HEAVEN TOO.** Sticky tape and aluminum foil are possibilities, but “Vs” made with the downward swing of an ax are best if treated with concentrated weed killer. Needs two applications one week apart. **WINNERS OF THE SPONTANEOUS LANTERN FLY CONTEST (55 participants) ARE: Youth Division Hunter Nelson : Adult Division Judy Early Lentz**

Welcome. In attendance: Tom Embich, Ann Lasky, Jo Ellen Litz, Denny Miller, and Jack Stouffer.

Secretary's Report: **The Secretary's report was emailed, and unanimously approved on a(an) _Stouffer/Embich_ motion.**

Treasurer's Report: **Denny Miller's report was presented on a Stouffer/Embich motion.**

CLEAN WATER: To meet a federal mandate on the Chesapeake Bay, DEP wants Lebanon and other counties to produce a plan to reduce pollution in the Swatara Creek & its tributaries. **COMMON ENEMY RULE:** And I always thought of water as my friend. <https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR—Campers are out, but some garbage was left behind. Tom is still working on getting dead trees cut. He will revisit MetEd for assistance along their right of way. The sump pump in the well house works so well that gullies eroded outside of the house after the last flood on Friday, November 1, 2019, which crested at 12.6'. The holes will be filled. As in interim measure until Eagle Scouts are able to replace the roof, Ben and Tom will use some of the old lumber from Ben's dock to put braces under the roof. Tom reminded us that he will not be able to mow grass next season, but will continue to monitor the well. Thanks, Tom!

- **Archery Hunting after 10.31 Matthew Dommel.**

Per Jen Rivera & Kelly Grube, First Energy's environmental group provided the following:

- The required permit is a Chapter 105 General Permit #11 with engineering and a PE seal, and would cost \$20K
- **However, a Waiver is provided under Chapter 105.12 (b) that would allow for maintenance of an existing stream crossing structure, if it was installed before July 1, 1979.** There is no required submission to the PA DEP to prove the date of the pipe to use this Waiver, it is simply done at your own risk.
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Projects Available: Replace well roof (have four bundles of shingles), Floating dock (booklet shared); stabilize bank; treat Tree of Heaven. September 15, Hike and History Tour of Bordner Cabin was successful. Two “hike guides” attended to get information for their hikes. Cleaned up horse manure on the pedestrian bridge two times. Filmed the third time asking horsemen to self-police. Met with resistance unless signage was changed to read dismount from walk. They also want dismount blocks on either end of the bridge. In other Parks, they cross in the water. Would pipeline be appropriate if banks are stabilized.

Bordner Cabin: An **Historic Preservation Application** is being prepared by **Millersville College Student Caroline Hamersky**. She has interviewed the new curator who previously worked at the PA Historical and Museum Commission at the Lebanon County Historical Society for tips on procedure and successful wording. When she graduates, Caroline wants to work in Historic Preservation. **Meet Caroline:**

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- Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch and retaining wall; 2 Amish solar lights.
- DAR interested in Historical Register, but want us to apply to State, and they would apply nationally.

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Little Swatara: Fred Folmer said that

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that the next meeting of LCS Consortium is 11.19.19 10AM, at 9220 Mifflin St. The LCCWA meets unknown, 10AM, at the North Lebanon Township building. \$200,000 worth of projects include catch basins at Lions Lake and a development in North Lebanon Township. \$5M less than 4% of Bay sediment is from six municipalities.

Quittapahilla: Ann Lasky said the Quittapahilla Park Pumpkin Walk was operated by 60 LVC Students, and Glo Sticks brought in \$200. She also discussed stream banks, Trout Unlimited, the north side sewer line, and ramped bridge, which was well received by people in wheel chairs. Finally, the Friend of Old Annville Dinner is Saturday night at the American Legion beginning at 6PM.

Pipelines:

Press:

Rail Trail:

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn:

SRBC: WATER QUALITY MONITORING STATION is installed @ 1929 BBR. Data is displayed:

https://mdw.srbc.net/remotewaterquality/data_viewer.aspx

VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019—financial report—Raised \$1976.03.

Water Trail: The Krall Barn will feature the Swatara Water Trail GIS layer with the Union Canal Locks both on the floor of the Barn in a first-class museum as well as on an interactive kiosk that will link to pictures of each lock. The map may be painted, and be preserved under an epoxy coating, or could be in tile—depending upon the amount of money raised for completion of the interior. Attending the Historical Society Ball would be one way to support the project, or a direct donation designating the Krall Barn is another way.

Projects: Additional Signage, Portage around Lebanon Water Authority—east bank

Swatara State Park has a new manager, Courtney Troutman.

Other:

Spotted Lanterfly Winners

Youth Division winner Hunter Nelson educated and coordinated fourth graders to kill off over 100 SLF: and Adult Division winner, Judy Early Lentz, using her fly-swatter, killed over 2000 SLF on her 23 Sugar Maples. Both winners were awarded \$25 Dairy Queen gift cards by Commissioner Jo Ellen Litz who coordinated the contest. Judy is donating her card to an auction to raise funds for Special Olympics. See attached photos.

11,816 less Spotted Lanternflies populate Lebanon County due to the cumulative efforts of 55 participants making a concerted effort to kill and report these nasty bugs. Way to go!!!

During the month of October, peak season for Spotted Lanterflies to lay their eggs, many Lebanon Countians were set on killing the Flies to thwart their presence next year. Each light grey plaster of Paris like egg mass averages 50 eggs. By killing the Flies, there were fewer eggs laid. After killing a Spotted Lanterfly, you can look at the belly to see if there are yellow egg sacks. That's how you know you got a female.

In the adult division, Judy Early Lentz killed 2,104 Spotted Lanternflies on her 21 sugar maple trees. What a stellar effort. When contacted that she is the winner of the contest organized by Commissioner Jo Ellen Litz, Judy asked to donate her Dairy Queen prize certificates to Special Olympics for their auction to raise funds for the group. It turns out Judy's dad, Lloyd Early, was Jo Ellen's favorite bus driver, a man with a calm demeanor who had a huge impact on the children on his bus. The apple didn't fall far from the tree when it comes to compassion for others.

In the Youth Division, Boy Scout Hunter Nelson, with Troop 12 at Salem, participated in the Swatara Sojourn two years ago where he learned about the Spotted Lanterfly during an educational presentation by Swatara Watershed Association Board Member Fred Folmer. When the Spotted Lanterflies showed up on his door at home, he knew what they were, and what to do. In his wallet, Hunter carries the credit card type information and scraper that he received on the Soujourn.

Thank you to everyone who participated in the Spotted Lanternfly contest. You are all Storm Troopers extraordinaire. You have gone into the field, educated others, engaged children, and helped to thwart the spread of Spotted Lanternflies in Lebanon County. Killing just one Fly has helped our environment, farmers, and quality of life. Congratulations on a job well done.

No doubt there are many more unsung heroes. Know that you are appreciated for being conscientious, and doing the right thing.

The adult Spotted Lanternflies will not survive the winter. Eggs are another story. Throughout the winter months, let's all follow through by seeking out and scraping egg masses into baggies, adding alcohol or hand sanitizer, sealing, massaging to saturate the eggs, and discarding the baggies into the trash. This action will significantly reduce the number of Spotted Lanternflies we see in 2020. Doing nothing is not an option. We must be the Spotted Lanternfly's natural predator.

- **Catching Spotted Lanternflies**--In larger numbers, the Flies look like beards, or in even larger amounts, it looks like the tree bark is moving. Capture these Flies using the bottle method. Add alcohol or hand sanitizer, seal the bottle, and shake. Dispose of the entire bottle in the trash. <https://www.facebook.com/FPCCT/videos/2396176703971876/?>
- **Eradicating Tree of Heaven**, another invasive from China, and the only tree on which the Spotted Lanternfly can live out it's entire life cycle. Treated standing trees become "Bate Trees". Treat these trees using the Hack and Slash method to reduce the population of both invasives from China--the Tree of Heaven and the Spotted Lanternfly. https://www.facebook.com/joellenlitz/videos/10219265286958340/?hc_location=ufi
- **Treating Egg Masses** Each next contains between 30-70 eggs. If not harvested and treated, they will survive the winter. <https://www.facebook.com/joellenlitz/videos/vb.1094403643/10219737310198626/?type=3>

Penn State Extension is running a Master Water Steward Program by Casey Clouser, Master Gardner. If any younger members are interested in this certification, please contact the Extension directly, and keep us informed. You are welcome to make a presentation at a future Board meeting.

Finally, Jo Ellen submitted a \$1000 grant request for the roof on the well-house and wall running along Aycrigg's Falls and under the porch at the Bordner Cabin.

Jo Ellen also shared about a Spotted Lanternfly killing contest she held to raise awareness of the issue, and engage the public in warding off the invasive species. Winners include:

Motion to adjourn by ___Lasky/Stouffer_____.

December 4 @ 9:30AM Next Meeting

****At meetings, those in attendance are asked to refrain from private conversation.**

****Any person in attendance with a question or comment is asked to be recognized by the chair.**

Swatara Watershed Association, 1403 Facebook Followers

10.2.2019

Administration: New website at www.SwataraWatershed.org **KILL THE SPOTTED LANTERN FLY. DILUTED DAWN DISH DETERGENT WORKS. SQUIRT GUNS OR SET OUT TUBS. SCAPE EGGS INTO BAGGIES, AND TREAT WITH ALCOHOL OR HAND SANITIZER. TREAT TREE OF HEAVEN TOO.** Sticky tape and aluminum foil are possibilities, but “Vs” made with the downward swing of an ax are best if treated with concentrated weed killer. Needs two applications one week apart. **PENN STATE MASTER GARDNER PROGRAM 7pm, 2120 CORWALL ROAD.**

Welcome. In attendance: Susan Eberly, Tom Embich, Fred Folmer, Ann Hutchinson (Natural Lands Trust), Jo Ellen Litz, Ben Miller, Jeanne Ortiz (Audbon), John Rogers (Keystone), Jack Stouffer.

Guest speakers Jeanne Ortiz & John Rogers Return on Environment, a financial analysis of recreational tourism. In September, Ben Goodman, #Packafoma and #DaxMackenzieRoggio did filming with a drone at the Werner Farm where corn was being harvested, Water Trail Boat Launch, Jonestown Park and town square, the LV Rail Trail and L&T Railroad Bridge. Since an insurance paper naming Swatara State Park for liability coverage didn't come through over the weekend, they're coming back to film Aycrigg's Falls and the Bordner Cabin. There were 94 NPDES permits issued in Lebanon County over 45 years. Hershey is #3 in the USA for being “Green.” Bell and Evans is green too. Using a Lydar plane, Lighthawk Conservation Pilots will flyover Lebanon County on October 23 at 1:30PM.

Possible Flyover Top 10 N to S:

1. St. Anthony's Wilderness, Box Car Rocks, Stony Valley Trail, Kittatinny Ridge and important bird areas
2. Swatara Water Trail & Lebanon Valley Rail Trail (Bunker Hill through Swatara State Park)
3. Swatara State Park, Appalachian Trail, Swatara Rail Trail, Fossil Beds, Lava Fields, Aycrigg's Falls, Bordner Cabin
4. Fort Indiantown Gap (restricted air space)
5. Bell & Evans
6. Union Canal Tunnel Park
7. Farms
8. Cornwall Iron Furnace
9. Mt. Gretna, Dinosaur Rocks
10. Historic Schaefferstown
11. Middle Creek Wildlife Refuge

Phil Stober has an organic farm. Also, Bell and Evans is working on more Organic Farms.

<https://lebtown.com/2019/09/03/bell-evans-offers-new-incentives-for-farmers-transitioning-to-organic-grain/>

Secretary's Report: The Secretary's report was emailed, and unanimously approved on a(an) Stouffer/Folmer motion.

Treasurer's Report: Denny Miller's report was presented and approved on a B Miller/Stouffer motion. Further, on a **Stouffer/B Miller motion, payment of \$120.96 was approved to reimburse Tom Embich for expenses.** A \$50 check for Scouts camping was turned over to D Miller.

CLEAN WATER: To meet a federal mandate on the Chesapeake Bay, DEP wants Lebanon and other counties to produce a plan to reduce pollution in the Swatara Creek & its tributaries. **COMMON ENEMY RULE:** And I always thought of water as my friend. <https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR-- Tree of heaven treated in site 14. Bid to cut dead trees? Boy Scout Troop 65, Hershey, shown well roof and other projects for Eagle.

- Samuelson Tree Service will be contacted once again.
- The Water Test is pass/fail
- Woodpecker holes were plugged in the office walls.
- Infected Ash trees are down.
- Archery Hunting after 10.31 Matthew Dommel.
- **Tour DaVita** did not materialize at 1929 BBR. They went to the LV EXPO.

Per Jen Rivera & Kelly Grube, First Energy's environmental group provided the following:

- The required permit is a Chapter 105 General Permit #11 with engineering and a PE seal, and would cost \$20K
- **However, a Waiver is provided under Chapter 105.12 (b) that would allow for maintenance of an existing stream crossing structure, if it was installed before July 1, 1979.** There is no required submission to the PA DEP to prove the date of the pipe to use this Waiver, it is simply done at your own risk.

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September 15, Hike and History Tour of Bordner Cabin was successful. Two "hike guides" attended to get information for their hikes. Cleaned up horse manure on the pedestrian bridge two times. Filmed the third time asking horsemen to self-police. Met with resistance unless signage was changed to read dismount from walk. They also want dismount blocks on either end of the bridge. In other Parks, they cross in the water. Would pipeline be appropriate if banks are stabilized.

Bordner Cabin: Vandalism repaired: kicked out floorboards in center bedroom air vent; loft window guard and the center post. **Handicap permit.**

- Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch and retaining wall; 2 Amish solar lights.
- DAR interested in Historical Register, but want us to apply to State, and they would apply nationally.

Bridges: Inwood Bridge is dismantled, and taken for repairs. Old peers coming down.

Dam: Memorial Lake needs a new dam breast—30% deficient.

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding:

Volunteers Organizing After Disasters <https://www.facebook.com/LebanonCountyVOAD/> Please report losses to <https://helpdesk.lcde.org>.

Lebanon Water Authority & PA American Water Co: No confirmation that the Mansion on Old Forge Road below Highbridge selling for \$300,000. PA American is conducting a second study with USDA.

Little Swatara: Fred Folmer said that there was no meeting. He did contact Spencer Shaumbaugh at Camp Shand two times.

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that the next meeting of LCS Consortium is **9.17** 10AM, at 9220 Mifflin St. The LCCWA meets **10.22**, 10AM, at the North Lebanon Township building. \$200,000 worth of projects include catch basins at Lions Lake and a development in North Lebanon Township. \$5M less than 4% of Bay sediment is from six municipalities. Tom also submitted a copy of the Lebanon County Stormwater Consortium Action Plan for 2020.

Quittapahilla: Ann Lasky said the Pumpkin Walk is October 25. The pollution reduction plan was not yet approved by the State.

Pipelines: Fred Folmer shared a newspaper article. He also shared about the Spotted Lanternfly.

Press:

Rail Trail: 25th Street & Bunker Hill sections ribbon cuttings took place on Thursday, September 19, 2019 at 11AM.

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn:

SRBC: WATER QUALITY MONITORING STATION is installed @ 1929 BBR. Data is displayed:

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VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019—financial report—Raised \$1976.03.

On the heels of a successful Food and Brew, with a "Swatara Sip and Stroll," each establishment would be responsible for applying for and providing us with a copy of their special permit along with proof of liability insurance. To hold the event along the Swatara Creek would add to the theme of Clean Water in October. East Hanover Township requires no permits for Swatara Watershed Park. Would bring in additional portable toilets. Participants wear ID Bands to show their age was checked and they paid admittance. Prizes are awarded for the people's choice of best wine and brew. Mike volunteered to coordinate the Sip and Stroll for next year.

Water Trail:

Projects: Additional Signage, Portage around Lebanon Water Authority—east bank

Swatara State Park has a new manager, Courtney Troutman.

Other: 9.28 Dedicated birdhouses in honor of Karen & Richard Light at Swatara Township's Mill Street Park.

* Presentation during Plenary Session to the South Central Assembly for Effective Governance. "Think 7 Generations Ahead.

* Booth at Swatara and Jonestown Fall Festivals.

Motion to adjourn by Folmer/Stouffer.

2019 Swatara Watershed Association event schedule to be placed on community calendars:

• • **October 10th at 7 pm** A Watershed Perspective: **Stream Water Quality in a Changing Climate**, South Hanover Township Municipal Building, 161 Patriot Way, Hershey.

Scott Ensign, PhD, Ecosystem Ecologist and Assistant Director at the Stroud Water Research Center.

• October Sip & Stroll on the Swatara

November 6 @ 9:30AM Next Meeting

****At meetings, those in attendance are asked to refrain from private conversation.**

****Any person in attendance with a question or comment is asked to be recognized by the chair.**

Swatara Watershed Association, 1382 Facebook Likes 9.11.2019

Administration: **New website** at www.SwataraWatershed.org

Welcome. In attendance: Mike Adams, Tom Embich, Fred Folmer, Ann Lasky, Jo Ellen Litz, Ben Miller, Denny Miller, Jeanne Ortiz, John Rogers, Jack Stouffer.

Guest speakers Jeanne Ortiz & John Rogers Return on Environment, a financial analysis of recreational tourism

Possible Flyover Top 10 N to S:

12. St. Anthony's Wilderness, Box Car Rocks, Stony Valley Trail, Kittatinny Ridge and important bird areas
13. Swatara Water Trail & Lebanon Valley Rail Trail (Bunker Hill through Swatara State Park)
14. Swatara State Park, Appalachian Trail, Swatara Rail Trail, Fossil Beds, Lava Fields, Aycrigg's Falls, Bordner Cabin
15. Fort Indiantown Gap (restricted air space)
16. Bell & Evans
17. Union Canal Tunnel Park
18. Farms
19. Cornwall Iron Furnace
20. Mt. Gretna, Dinosaur Rocks
21. Historic Schaefferstown
22. Middle Creek Wildlife Refuge

Phil Stober has an organic farm. 917-854-8200. Also, Bell and Evans is working on more Organic Farms.

<https://lebtown.com/2019/09/03/bell-evans-offers-new-incentives-for-farmers-transitioning-to-organic-grain/>

Secretary's Report: The Secretary's report was emailed, and unanimously approved on a(an) Stouffer/Lasky motion.

- **Treasurer's Report: Denny Miller's report was presented. Emailed tax return and financial statements from CPA.** \$10 Ann Lasky for rocks. \$115 American Water Company Blue Jean Friday. \$15 & \$80 = \$95 Network for Good, Facebook Fundraising. Foundation for Enhancing Communities \$105. \$250 Gruber campsite & \$20 overnight campsites. POWR final \$350. \$100 Doug Hoover Mennonite picnic. Also, see the **Food & Brew report on \$1976.03.** Public Charity report corrected by accountant.

CLEAN WATER: To meet a federal mandate on the Chesapeake Bay, DEP wants Lebanon and other counties to produce a plan to reduce pollution in the Swatara Creek & its tributaries. MD Governor wants to meet with PA Governor. On another note, over \$1M is available to PA farmers to develop plans to improve local water quality.

COMMON ENEMY RULE: And I always thought of water as my friend.

<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR— Per **Tom Embich/Stouffer**, a **motion** passed to add "**All pets must be kept on a leash**" to our rules & posted at the campground. A Camper reported **a spotted lantern fly** on a tree of heaven in site 14. Tom suggested budgeting or lawn care next season. Jo Ellen stated that a camper has volunteered to mow. We will revisit lawn care closer to spring. Someone is dismantling our rail fence piece by piece. Jo Ellen suggested running a rope through the vertical post holes. Ben volunteered to run the rope. Tom will be away 9.23-27 as well as the 30th. To date, Samuelson has not cut the trees. Tom may need to rebid the work.

Pavilion use by **Tour DaVita** (www.tourdavita.org), a **charity bicycle event**, will come through Lebanon County the week of **September 21st**. Participants are all employees and affiliates of DaVita Inc. who are riding their bicycles 60-100

miles a day to educate and raise money through pledges for kidney disease. A Popup tent will be set up to hand out light snacks, water and Gatorade, and additional toilets brought in.

September 20 & 21, Troop 65 from Hershey will camp in tents after a kayak trip.

Per Jen Rivera & Kelly Grube, First Energy's environmental group provided the following:

- The required permit is a Chapter 105 General Permit #11 with engineering and a PE seal, and would cost \$20K
 - **However, a Waiver is provided under Chapter 105.12 (b) that would allow for maintenance of an existing stream crossing structure, if it was installed before July 1, 1979.** There is no required submission to the PA DEP to prove the date of the pipe to use this Waiver, it is simply done at your own risk.
 - **The channel can be cleaned 50' upstream and downstream of the pipe as part of pipe maintenance, with no permit. This would be beneficial at this crossing, downstream of the pipe.** During heavy flows this will cause pool water to whirlpool and scour out the banks and fill around the pipe. Cleaning out the channel is a good short term fix.
- Projects Available: Replace well roof (have four bundles of shingles), Floating dock (booklet shared); stabilize bank.

Bordner Cabin: Review “**Friends of Swatara State Park**” publication. Bordner Cabin is mentioned on the map. Per request of a Friends worker, I observed 3 visitors & their parking one day. People parallel-park on the other side of the road. Signage is confusing, & could be more professional. Per his instructions, observations were shared with Park Manager Chris Houck.

Volunteer T-SHIRTS

Mike & Sue assisted with repair of the holes in the roof over kitchen. **Red Horse** completed the sidewalk project, and will be deployed. Next year, Red Horse will complete the under porch and retaining wall repairs. Per DEPs Ed Muzic, our original 2014 General Permit to repair flood damage @ Bordner Cabin is in perpetuity, and extends 45'. The stone wall is 13.00'+/- x 4.00'+/-).

Corrugated pipe and sandbags are in Fred's warehouse to divert water during repairs.

Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch and retaining wall; 2 Amish solar lights.

DAR interested in Historical Register, but want us to apply to State, and they would apply nationally.

Bridges: Inwood Bridge is dismantled, and taken for repairs.

Dam: Memorial Lake needs a new dam breast—30% deficient.

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding:

Volunteers Organizing After Disasters <https://www.facebook.com/LebanonCountyVOAD/> Please report losses to <https://helpdesk.lcdes.org> . Local American Red Cross volunteer Paul LeVan was activated to assist with the hurricane.

Lebanon Water Authority & PA American Water Co: No confirmation that the Mansion on Old Forge Road below Highbridge selling for \$300,000. PA American is conducting a second study with USDA.

Little Swatara: Fred Folmer said that

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that the next meeting of LCS Consortium is **9.17**____ 10AM, at 9220 Mifflin St. The LCCWA meets **10.22**____, 10AM, at the North Lebanon Township building. \$200,000 worth of projects include catch basins at Lions Lake and a development in North Lebanon Township. \$5M less than 4% of Bay sediment is from six municipalities. Tom also submitted a copy of the Lebanon County Stormwater Consortium Action Plan for 2020.

Quittapahilla: Ann Lasky said there's excitement at Quittie Park. They received a grant to extend the Quittapahilla Nature Trail east to Cleona on both sides of the Creek. A \$5000 study will ensue by the Consortium. The Pumpkin Walk is October 25.

Pipelines:

Press: ENJOY LOCAL LIVING 5 Wonders in Nature includes Aycrigger's Falls, Box Car Rocks, Dinosaur Rocks, Fossil Beds, and Lava Fields. Also, there's a LEBTOWN article on Lava Deposits https://lebtown.com/2019/08/30/what-exactly-is-the-jonestown-volcano/?utm_source=Facebook&utm_medium=social&utm_term=what-exactly-is-the-jonestown-

[volcano&utm_content=0&utm_campaign=PostPromoterPro&fbclid=IwAR3HSKLtdB3EDKvepEC15FGN6djmzjvgpiHpEwMS_gRz4QpoGfCaeTxdmS4](https://www.facebook.com/joellenlitz/videos/10216680970112034/)

Finally, ENJOY LOCAL LIVING published an article on the M&H, Middletown to Hummelstown or Milk & Honey Railroad & one on the Union Canal.

Rail Trail: 25th Street & Bunker Hill sections celebrate with a grand opening Thursday, September 19, 2019 at 11AM.

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn: POWR final grant report filed. Final \$360 payment received.

SRBC: WATER QUALITY MONITORING STATION is installed @ 1929 BBR. Data is displayed:

https://mdw.srbc.net/remotewaterquality/data_viewer.aspx

VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019—financial report—Raised \$1976.03. It is uncertain if the Rotunda Brothers or Funck's checks received also cover Babe's Irv's Brass Rail, and Snitz Creek.

- \$500 Quentin Tavern
- \$250 Fort Arnold-The Gin Mill
- \$217.18 Heisey's Diner
- \$150 Tattered Flag
- \$150 Rotunda Brothers, Batdorf
- \$100 Rotunda Brothers
- \$100 Forrests Feed Co
- \$100 Harpers Tavern
- \$100 Hidden Still
- \$100 Moose's LZ
- \$98.75 Red Canoe-Mt Gretna Craft Brewery
- \$50 Fredericksburg Eagle Hotel
- \$40 Downtown Lounge
- \$20 Swatara Coffee

On the heels of a successful Food and Brew, with a "**Swatara Sip and Stroll**," each establishment would be responsible for applying for and providing us with a copy of their special permit along with proof of liability insurance. To hold the event along the Swatara Creek would add to the theme of Clean Water in October. East Hanover Township requires no permits for Swatara Watershed Park. Would bring in additional portable toilets. Participants wear ID Bands to show their age was checked and they paid admittance. Prizes are awarded for the people's choice of best wine and brew. Mike volunteered to coordinate the Sip and Stroll.

Water Trail: Lid for the sign at the Appalachian Trail donated by Herb Sheet Metal, and installed by Tom Embich. Thank you to everyone!

Projects: Additional Signage, Portage around Lebanon Water Authority—east bank

Other: **Riverkeeper Ted Evgeniadis and Public Justice did file a lawsuit against Keystone Protein. LDN article attached4**

Swatara State Park has a new manager, Courtney Troutman.

Motion to adjourn by Stouffer/Embich.

2019 Swatara Watershed Association event schedule to be placed on community calendars:

- September 15, Hike and History Tour of Bordner Cabin 1PM
- September 19, 11AM Rail Trail grand openings 15th St-Long Lane & Bunker Hill to Jonestown.
- *September 21 Tour DiVita at 1929 BBR
- September 28, Jonestown Festival 5-9PM
- September 28, "Great Give at Firemen's Memorial Park Community Day.
- October Sip & Stroll on the Swatara

****At meetings, those in attendance are asked to refrain from private conversation.**

****Any person in attendance with a question or comment is asked to be recognized by the chair.**

August 7, 2019

At Wednesday's August SWA meeting our three guests speakers presented a powerpoint introduction to better understand the economic value of protecting, restoring and expanding nature's economic benefit-- Return on Environment (ROE). The Audubon-DCNR funded program has been conducted and implemented in a few other counties, some of their material was provided as a sample. **It is now Lebanon county's turn to be showcased and supported in our effort to better preserve and protect the natural resources.** This program provides a comprehensive breakdown of the economic value of Lebanon county's environment to create a tangible numbers in support of environmental protection in Lebanon county. Tom, Ann, Denny and I attended, and I have extra copies of samples and the presented materials for you.

Jeanne Ortiz, Audubon; John Rogers, Trout Unlimited (?); and LightHawk Video via Ben ___?___ video marketing gave a fascinating and thorough presentation and **we now have to respond on a few easy items ASAP.** *I respectfully hope Jo Ellen has more time than I at the moment to receive your emailed replies to simplify our organizations response in a single organized email to Jeanne.*

1. alternate Sept. SWA meeting date? Jeanne needs to attend to move forward, but she can't make 1st Wed. in Sept. Is Sept 11th available on everyone's calendar?
2. send your top 10 pics from the "Fly Over" list to JoEllen by tomorrow, she'll forward Jeanne. ADD Swatara Water Trail to your list if you agree with me.
3. list of Lebanon county's organic farms, brewers, water companies, pharmaceutical/technology, industries using water for process or waste, green corporations, reservoir(s), recreational vendors
4. Lebanon stories connecting the issue to our area, case studies, any interesting and relatable
5. other Lebanon Co. persons, companies, organizations who would be good partners in this program

ROE Program-

1st Step: Receive Lebanon Co. specific power point, educational materials, brief video, posters, LightHawk Aerial video

2nd Step: implement as a team with partners

At this point I will apologize and pass the torch as I'm typically working 12-15 hours 7 days for another few weeks until the peak of my kayak rental season eases. I can make Sept 11th alternate date if changes; #2-4 I will differ to others.

Ben Miller

Swatara Watershed Association, 1251 Facebook Likes 6.5.2019

Administration: **New website** at www.SwataraWatershed.org

Welcome. In attendance: Tom Embich, Fred Folmer, Ann Lasky, Jo Ellen Litz, Ben Miller, Denny Miller.

Secretary's Report: **The Secretary's report was emailed, posted on-line, and unanimously approved on a(an) ___Embich/Lasky___ motion.**

Treasurer's Report: **Denny Miller's report was approved on a _ Folmer/Embich___ motion.** Further, on a Lasky/Folmer motion, Tom will be reimbursed \$384.39 for repair of the lawn mower.

CLEAN WATER: To meet a federal mandate on the Chesapeake Bay, DEP wants Lebanon and other counties to

produce a plan to reduce pollution in the Swatara Creek and its tributaries. Jo Ellen offered the Swatara Rivers Conservation Plan as a tool to update. PDF available upon request.

COMMON ENEMY RULE: And I always thought of water as my friend.
<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR—Jen Rivera contacted for a technical assistance grant to write a general permit to repair a stone drive across a feeder creek near the ramp. Kelly Grube, from First Energy's environmental group provided the following:

- As stated previously, the permit required is called a Chapter 105 General Permit #11. The permit requires engineering and a PE seal, and for this reason would cost around \$20K
- **There is a Waiver, provided under Chapter 105.12 (b) that would allow for maintenance of an existing stream crossing structure, if it was installed before July 1, 1979.** There is no required submission to the PA DEP to prove the date of the pipe to use this Waiver, it is simply done at your own risk.
- **The channel can be cleaned out 50' upstream and downstream of the pipe as part of pipe maintenance, with no permit. It looks like this would be very beneficial at this crossing, downstream of the pipe.** In the photo below, the area circled in blue is causing the water to pool up at the pipe. During heavy flows this will cause that pool water to whirlpool and scour out the banks and fill around the pipe. Cleaning out the channel would be a good short term help to the situation.

Site 14 reserved for season. 5/18 for BSA Troop 65 of Hershey utilized pavilion.

Water testing was completed, and DEP visited the site.

Samuelson's Tree Service

Projects Available: Replace well roof (have four bundles of shingles), Floating dock (booklet shared); stabilize bank.

Bordner Cabin: Hole in roof over kitchen. Raised \$105 online, \$20 Saturday, and \$20 Denny Miller = \$145 Total. Not covered by insurance. Liability only. Thanks Mike Mumma, Emily Tilley, Kathleen Eves, Gary Gerhart, & Jeanie Glaser.

In-State Readiness Training for **Red Horse** approved by the State. **Ran ads 4.22&29.2019 in Lebanon Daily News to comply with State requirements.** Red Horse will be deployed, but will complete the sidewalk this year. Boy Scouts from Camp Bashore, WellSpan (per Melanie Wells) and MSC also volunteered to help with repairs.

Per DEP's Ed Muzic, our original 2014 General Permit to repair flood damage @ Bordner Cabin is in perpetuity, and extends 45'. The stone wall is 13.00'+/- x 4.00'+/-).

Corrugated pipe and sandbags are in Fred's warehouse to divert water during repairs.

Sidewalk only, or complete package? Mike following up.

Ms Litz and Chief Yurista,

Our SJA and Brig Gen Regan reviewed and approved the Bordner Cabin project as scoped (see attached routing slip). Please let me know the dates when you've scheduled the work and when you have completed the project. Thank you both for your continued patience throughout the process and please let me know if you need anything further. TIMOTHY W. SEVISON, CMSgt, PAANG

Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch and retaining wall; 2 Amish solar lights.

DAR interested in Historical Register, but want us to apply to State, and they would apply nationally.

Bridges: **Work started on the Inwood Bridge,** <https://www.facebook.com/joellenlitz/videos/10218117736950307/>

Clean Water:

Dam: Memorial Lake needs a new dam breast—30% deficient.

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding:

Volunteers Organizing After Disasters <https://www.facebook.com/LebanonCountyVOAD/> Please report losses to <https://helpdesk.lcdes.org> .

Kittatinny Ridge Conservation Landscape project to document ROI-economic return on investment-or financial benefits of recreation, avoiding healthcare costs, stormwater management.... Jeanne Ortiz, Audubon Pennsylvania, and John Rogers, asked to use Swatara Watershed Association meetings to bring together conservation partners.

Lebanon Water Authority & PA American Water Co: Waiting on confirmation that the Forge sold for \$300,000.

Little Swatara: Fred Folmer said that on June 15, they will stencil storm drains.

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that the next meeting of LCS Consortium is _6.18__ 10AM, at 9220 Mifflin St. The LCCWA meets _7.24__, 10AM, at the North Lebanon Township building. \$200,000 worth of projects include catch basins at Lions Lake and a development in North Lebanon Township. \$5M less than 4% of Bay sediment is from six municipalities.

Quittapahilla: Ann Lasky said the Spruce Street Bridge is open. There will be a FOOA booth at Old Annville Day. They have a \$60,000 grant to address a sewer line threat. A sign was placed on Richter Trail, which runs to High Street. Invasive parsley can give people a rash.

Pipelines:

Press: Summerfest Booth last Saturday at Jonestown Park. Interview with Bryan Kettering on Agnes has over 1500 views.



<https://www.facebook.com/joellenlitz/videos/10218348809486976/> .
LebTown 1,219 shares https://leb.town/2019/05/09/how-to-visit-bordners-cabin-at-swatara-state-park-photo-story/?utm_source=Facebook&utm_medium=social&utm_term=how-to-visit-bordners-cabin-at-swatara-state-park-photo-story&utm_content=0&utm_campaign=PostPromoterPro&fbclid=IwAR2_vJ4PNcBHaEvdwL-d0rO4vE9Lwbt5-75EuotMA6LUt3Ej1zXItUv4syA

[story&utm_content=0&utm_campaign=PostPromoterPro&fbclid=IwAR2_vJ4PNcBHaEvdwL-d0rO4vE9Lwbt5-75EuotMA6LUt3Ej1zXItUv4syA](https://leb.town/2019/05/09/how-to-visit-bordners-cabin-at-swatara-state-park-photo-story/?utm_source=Facebook&utm_medium=social&utm_term=how-to-visit-bordners-cabin-at-swatara-state-park-photo-story&utm_content=0&utm_campaign=PostPromoterPro&fbclid=IwAR2_vJ4PNcBHaEvdwL-d0rO4vE9Lwbt5-75EuotMA6LUt3Ej1zXItUv4syA)

Jo Ellen also did an interview on WLBRs Laura LeBeau show. She reviewed a discussion with the DEP Secretary on Best Management Practices installed by farmers and fewer farms. Combined, less nutrients and sediment enter our waterways. Pointing fingers at farmers is wrong as during a time when mature crops were on their fields, pipeline companies had 50-100 yard wide paths crossing the County both north to south and east to west. During the Summer Storms of 2018, it was this bare

ground that transported nutrients and sediments into tributaries and the Swatara Creek, which transported the mix to the Chesapeake Bay. The subcontractor performing closure went bankrupt. To this day, there are areas not properly closed.

Rail Trail: 25th Street completed around July 15.

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn: POWR final grant report ready, but waiting on cancelled checks to submit. Angela Vitkowski approved an extension. Thank you to everyone—paddlers, shore support, 7 municipalities, and sponsors for another successful year.

SRBC: WATER QUALITY MONITORING STATION is installed @ 1929 BBR. Data is displayed:
https://mdw.srbc.net/remotewaterquality/data_viewer.aspx

VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019—Listed incorrectly in VLV mailer.

Ben Additional invitations sent to the Rising Sun in Campbelltown, Iron Hill in Hershey. The following volunteers will visit pubs...: Jack-O'Conner on Pershing Avenue; Bob-The Gin Mill
Fred-Eagle Hotel, Wetlands; Jo Ellen- Harper's, Heisey's Diner, Hidden Still, Moose's LZ, Quentin Tavern, Snitz Creek, Swatara Coffee.

Ben reviewed publicity—WITF and Harrisburg/Hershey Visitor's Bureau. Jo Ellen shared inaccurate information on the contact phone number and website posted in the Quail Flyer by Visit Lebanon Valley. She will forward a copy to Board members.

On the heels of a successful Food and Brew, with a **"Swatara Sip and Stroll,"** each establishment would be responsible for applying for and providing us with a copy of their special permit along with proof of liability insurance. To hold the event along the Swatara Creek would add to the theme of Clean Water in October. East Hanover Township requires no permits for Swatara Watershed Park. Would bring in additional portable toilets. Participants wear ID Bands to show their age was checked and they paid admittance. Prizes are awarded for the people's choice of best wine and brew.

Water Trail: It's time to fill map boxes. Jo Ellen took a paper template of a lid for the sign at the Appalachian Trail to Herb Sheet Metal.

A strainer left of an island after Gravel Hill Road Bridge washed away after Ben cut a fallen tree.
Projects: Additional Signage, Portage around Lebanon Water Authority—east bank

Other: Palmyra will hold a "Great Give: on September 28 at Firemen's Memorial Park Community Day.

A vote of affirmation on an email vote by Embich/B Miller passed unanimously in support of a letter concerning Keystone Protein to Riverkeeper Ted Evgeniadis.

Denny Miller received copies of the BCO10 Audit for distribution to Board members.

Alanthis/Tree of Heaven is now on the noxious weed list, which means people cannot import or sell it's seeds in Pennsylvania.

Motion to adjourn by _Folmer/Lasky __.

2019 Swatara Watershed Association event schedule to be placed on community calendars:

- July 3 Watermelon at the Waterworks 9:30AM Field Event: Litter clean-up, Meeting, Watermelon
- July 12-14, 2019 - Swatara Food & Brew Weekend
- September 15, Hike and History Tour of Bordner Cabin 1PM
- September 28, Jonestown Festival 5-9PM
- October Sip & Stroll on the Swatara

**At meetings, those in attendance are asked to refrain from private conversation.

**Any person in attendance with a question or comment is asked to be recognized by the chair.

Swatara Watershed Association, 1223 Facebook Likes 5.1.2019

Swatara Watershed Association, 1223 Facebook Likes 5.1.2019

Administration: **New website** at www.SwataraWatershed.org. Claim on Google for search ranking.
www.SwataraWatershed.com old domain name attached too. Links were updated, and should download faster. Please advise if you find any links that don't work.

Welcome. In attendance: Mike Adams, Tom Embich, Fred Folmer, Ann Lasky, Jo Ellen Litz, Ben Miller, Denny Miller, Jack Stouffer

Secretary's Report: **The Secretary's report was emailed, posted on-line, and unanimously approved on a ___Folmer/Stouffer___ motion.**

Treasurer's Report: **Denny Miller's report was approved on a ___B Miller/Adams___ motion. Further, a \$505 Lebanon Valley Insurance bill was approved for payment on an Embich/Stouffer motion. Denny will check to make sure both insurance bills are paid and up to date.**

COMMON ENEMY RULE: And I always thought of water as my friend.
<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR—Jen Rivera contacted for a technical assistance grant to write a general permit to repair a stone drive across a feeder creek near the ramp. Waiting on a reply.

Pick up downed limbs and twigs prior to each mowing. Place wood to west end of parking lot. Mark dead trees. Remove stumps in lawn & sit 13. Reset hold down bolts for grills. Treat poison ivermectin in camp & trail areas. Trim shrubs north of overflow parking. Build faucet frame behind office. Repair woodpecker damage to exterior office walls. On a Folmer/B Miller motion up to \$500 was approved for Tom to bid dead tree removal.

Tom and Fred, assisted by Gwen & Bob, cleaned-up at Swatara Watershed Park on United Way Day of Caring. SWA is grateful for your dedication to keep this Park beautiful for visitors.

Projects Available: Replace well roof (have four bundles of shingles), Floating dock (booklet shared); stabilize bank.

Bordner Cabin: Hole in roof over kitchen. Raised \$80 online & \$20 Saturday = \$100 Total. Not covered by insurance. Liability only. Folmer is storing aluminum flashing & tar paper too.

In-State Readiness Training for **Red Horse** application filed with the State. **Running ads 4.22&29.2019 in Lebanon Daily News to comply with State requirements.** Boy Scouts from Camp Bashore and MSC also volunteered to help with repairs. Per DEPs Ed Muzic, our original 2014 General Permit to repair flood damage @ Bordner Cabin is in perpetuity, and extends 45'. The stone wall is 13.00'+/- x 4.00'+/-).

Corrugated pipe and sandbags are in Fred's warehouse to divert water during repairs.

Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch and retaining wall; 2 Amish solar lights.

Bridges: **Work is starting on the Inwood Bridge**, but it will be passable on the Swatara Sojourn. <https://www.facebook.com/joellenlitz/videos/10218117736950307/>

Clean Water: Last month, we heard from Riverkeeper **Ted Evgeniadis from Riverkeeper** <https://www.facebook.com/joellenlitz/videos/10217901285779163/>

concerning a potential lawsuit by Public Justice about a discharge to Elizabeth Run from Keystone Protein Company in Fredericksburg, and last week interviewed **Dan Chirico from Bell and Evans** <https://www.youtube.com/watch?v=aU6Z4sTalKU>

who shared that they inherited/"assumed" a consent order to upgrade a 70,000 gpd waste water treatment plant on Elizabeth Run, which empties into the Little Swatara Creek. To date, **three miles of pipe are installed, a large area regraded, and design is complete for a \$23M facility to treat 3M gallons per day of water**. An **\$11M PennVest loan** will help to construct the treatment plant. A **DEP meeting is on a fast track** to take the next step in compliance. The new treatment plant **requires that a new chicken processing plant** also be completed to **supply enough effluent to operate**. B&E operates two other waste water treatment plants, which are in compliance with DEP rules and regulations.

It is our understanding that a 60-day timeline was extended another 60 days before a lawsuit might proceed. It is SWAs hope that by bringing together, business, conservation groups, farmers, and government officials, we can work things out. All of our goals are clean water, and it doesn't make sense to tie up the courts or progress towards compliance, which may be delayed pending the outcome of a court case. Also, in our opinion, the money spent on a court case would be better spent on advancing treatment. Providing compliance progress continues at Keystone, contact Ted to see if the new information is satisfactory to Riverkeeper?

Dam: Memorial Lake needs a new dam breast—30% deficient. DCNR Secretary Cindy Adams Dunn came to Lebanon to meet with Adj General Anthony Cerralli. It will take a minimum of \$7M to replace it. Gen Cerralli would like to add money from his military budget to ad hydropower. Zero/neutral energy use with previously installed solar and hydropower could make Fort Indiantown Gap self-supporting. <https://www.facebook.com/joellenlitz/videos/10217971034122828/>

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding: Per ABC 27s Priscilla Liguori, FEMA IS LISTENING TO FEEDBACK ABOUT NEW LEBANON COUNTY FLOODPLAIN MAPS. https://www.abc27.com/news/local/lebanon/fema-listening-to-feedback-about-new-lebanon-county-floodplain-map/1943246808?fbclid=IwAR3GNJyrgEdp9h4U7NIAgQcstxqDZbvLdBxq-y_DVHF-Z43DPmDCyKJC95o

Volunteers Organizing After Disasters <https://www.facebook.com/LebanonCountyVOAD/>

Please report losses to <https://helpdesk.lcdes.org> .

On a Folmer/Stouffer motion, SWA will support a Kittatinny Ridge Conservation Landscape project to document ROI-economic return on investment-or financial benefits of recreation, avoiding healthcare costs, stormwater management.... Jeanne Ortiz, Audubon Pennsylvania, asks if there is County interest in Audubon and Keystone Conservation Trust conducting a study to document the economic value of the county's ecosystem services, e.g. stormwater management, biological control, erosion prevention and more; recreation; air pollution filtration/carbon sequestration; and avoided healthcare costs.

There is no cost for the study. They are doing county ROE studies as part of the Kittatinny project, funded by DCNR.

To move forward they would like to know:

1. If we have county support for conducting the study.
2. If there are any local partners that could be part of steering committee that would meet about 4 times over the course of a few months.
3. If there would be a local partner to help with portions of the study. For example, we just completed Perry County (going to print). The Conservation District and Planning Department staff helped write a section of the study (The Place), provided local photographs, and reviewed/provided feedback for the report. I would count that assistance as in-kind match for the DCNR grant.

The recent Carbon County report and materials here. Our partner was the Chamber of Commerce and Economic Development Corp.

https://kittatinnyridge.org/wp-content/uploads/2018/07/KIT_ROE_carbon_report_final.pdf

https://kittatinnyridge.org/wp-content/uploads/2018/07/KIT_ROE_carbon_bro_4-1.pdf

http://kittatinnyridge.org/wp-content/uploads/2018/07/KIT_ROE_carbon_factsheet_2.pdf

Please let me know if Lebanon County is interested. John and I are happy to come out and talk about the study. We would complete it within one year.

Lebanon Water Authority & PA American Water Co: It's time to Bid on the Old Forge Mansion below Seigrist Dam. Minimum bid \$100,000. https://www.beringrealestate.com/auctions/detail/real-estate-auction-historic-ironmaster-mansion-with-barn-on-bw36681?fbclid=IwAR11lpd5tsi_N90hwzW4SF7jP_8bKOW7QsJtDeIspPn6W9s3oMEepLY1BOE

Little Swatara: Fred Folmer Pictures of 3 winners from Junk Fair awarded based on functionality, beauty, and practicality. Litter PU at Route 645 & 78 yielded 79 bags of trash in 1 mile. A \$200,000 project addressing storm water detention retrofits is being rejected by landowners who don't want ongoing maintenance.

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that the next meeting of LCSConsrtium is __5.21__ 10AM, at 9220 Mifflin St. The LCCWA meets __5.28__, 10AM, at the North Lebanon Township building.

Quittapahilla: Ann Lasky said 50-60 volunteers helped on United Way Day of Caring. Richter Trail was mulched and a new sign installed. The owls are gone.

Pipelines: 4.2.2017 Sunoco Mariner 1 was fined \$200,000 because of leaks from propane and ethane. 4.2.2019, they are reopening the line.

Press:

Rail Trail: Work has restarted next to 25th Street.

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn Planning: POWR \$5000 matching Mini Grant is available. Mike Gronz is trying to reach us.

→ Shore support: Laurie Andrews, Jack Stauffer, Jo Ellen Litz. Since Ben will be on the water, Deb will be available to drive his kayak van. Jamie Johnson will be joining us on shore support.

→ 2 Vans: 2" tow hitches are needed. Tom Embich make arrangements with Mease Motors and be available to shuttle paddlers. Jo Ellen & Tom pick up Vans. Deb Miller additional transport. Fred Folmer and Jack Stouffer man the equipment van/trailer.

→ Food: June Blouch breakfast? Sheetz grant approved.

Denny Miller donated \$ for beverages.

Programs –

Saturday Lunch at Bordner Cabin: subs delivered by Bruno's--Program on Critter Connections by Michael Buleza \$140 +mileage, 717.487.0032. Denny will get Jo Ellen the checkbook.

Other: Fly fishing by Trout Unlimited Saturday @ Campground; History of the Railroad Sunday lunch by Reading Historical Society.

Saturday Diner (Delivered @ 5PM): Jonestown KOA. Program

Sunday Lunch at Water Works: pizza Ann & Dave?--Program

Write Grants with POWR (\$900 approved), Sheetz, Hershey, Bayer, GLRA for tires and trash...

Registration form. Uploaded to website. Printed by Bayer.

Filed Fish & Boat Float Plan.

Public Relations—News Releases

Ordered toilets and dumpster... A bucket of River Stones was purchased to paint positive messages and leave along the Water Trail.

SPONSOR CONFIRMATIONS: Bayer, Bruno's, Cocoa Kayaks, Denny Miller, The Hershey Company, Hershey Outfitters, Izaak Walton League, Pine Grove Fish & Game, POWR, Soaps by Elizabeth

7 PROCLAMATIONS: County of Lebanon, City of Lebanon, Annville Township, North Lebanon, North Londonderry, South Annville, Swatara. West Lebanon not received to date.

SRBC: WATER QUALITY MONITORING STATION is installed @ 1929 BBR. Data is displayed:

https://mdw.srbc.net/remotewaterquality/data_viewer.aspx

VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019— Emailed forms to last year's participants.

Ben Additional invitations will be sent to the Rising Sun in Campbelltown, Iron Hill in Hershey. The following volunteers will visit pubs...: Jack-O'Conner on Pershing Avenue; Bob-The Gin Mill

Fred-Eagle Hotel, Wetlands; Jo Ellen- Harper's, Heisey's Diner, Hidden Still, Moose's LZ, Quentin Tavern, Snitz Creek, Swatara Coffee.

On the heels of a successful Food and Brew, with a "Swatara Sip and Stroll," each establishment would be responsible for applying for and providing us with a copy of their special permit along with proof of liability insurance. To hold the event along the Swatara Creek would add to the theme of Clean Water in October. East Hanover Township requires no permits for Swatara Watershed Park. Would bring in additional portable toilets. Participants wear ID Bands to show their age was checked and they paid admittance. Prizes are awarded for the people's choice of best wine and brew.

Water Trail: It's time to fill map boxes.

Other: Mari Conner, Merchandiser—working on 5s—Natural Wonders of Lebanon County: Aycrigg's Falls, Box Car Rocks, Dinosaur Rock, Fossil Beds, and Lava Deposits.

- Documentation on Lava deposits was shared. Pillar lava forms under water, so this area was once water covered. Filled with air holes from trapped gas, the rock can float.
- Box Car and Dinosaur Rocks are conglomerates dropped here when Great Lakes glaciers plowed through the area, melted, and deposited on the north and south end of the County.

The Lantern Fly's bulk hatch occurs between May 1-May21. There are 4 in-star stages where lava crawls. Sticky bands around trees will catch the nasty bugs, and keep them from spreading. Mike's wife, Ashley, reported that vehicles with municipal plates must keep a log sheet, mileage, and inspect their vehicles for hitch-hikers. They also receive a laminated sheet of information on the Spotted Lantern Fly.

Projects: Additional Signage, Portage around Lebanon Water Authority—east bank

Motion to adjourn by _Embich/Lasky__.

2019 Swatara Watershed Association event schedule to be placed on community calendars:

- May 4-5 Travel through Time on the Swatara Sojourn 9:30AM from Pine Grove
- May 1, next Watershed meeting at 9:30AM
- July 3 Watermelon at the Waterworks 9:30AM Field Event: Litter clean-up, Meeting, Watermelon
- July 12-14, 2019 - Swatara Food & Brew Weekend
- September 15, Hike and History Tour of Bordner Cabin 1PM
- September 28, Jonestown Festival 5-9PM
- October Sip & Stroll on the Swatara

**At meetings, those in attendance are asked to refrain from private conversation.

**Any person in attendance with a question or comment is asked to be recognized by the chair.

Swatara Watershed Association, 1179 Facebook Likes 4.3.2019

Administration: New website at www.SwataraWatershed.org created with Word Press on Go Daddy. Excellent Customer Service. Old site became unreliable (was down again yesterday). Eventually transferring Domain Name SwataraWatershed.com too.

With CCAP Energy, Environment and Land Use Committee, met with DEP Secretary Patrick McDonnell.

Board Member Jack Stouffer had a fire at his home.

Welcome. In attendance: Bob Arnold, Ted Evgeniadis, Fred Folmer, Tom Embich, Jo Ellen Litz, Denny Miller, Jack Stouffer.

Speaker: Lower Susquehanna Riverkeeper Ted Evgeniadis, spoke about a possible lawsuit against **Keystone Protein, which is now owned by Tyson.** Even though Public Justice sent a 60-Day Notice of Intent to File Citizen Suit under Clean Water Act Section 505(a)(1) for Violations of NPDES #s PA 0080829 and PA 0266345, **Ted said that his goal is compliance, not necessarily a court case.** He asked SWA about joining him, but there were many questions and some Board members were absent. SWA thanked Ted for his courtesy in bringing details of the suit to us. SWA wants clean water. Therefore, we will seek a meeting with Keystone/Tyson to gather information and a compliance timeline to bring back to the Board. Will Tyson continue to run this plant and build the water treatment plant? Also at issue is an \$11M loan from the State to build the water treatment plant (Did they receive this money? Is it drawing interest?); ongoing discharges into Elizabeth Run and Little Swatara Creek; and initially \$130,000 in fines from DEP, but none recently. What was the initially required capacity and the capacity required today? How many jobs are at stake? Due diligence also requires sensitivity to the many family farms relying upon product sales to Keystone/Tyson; holds on investments to add poultry houses after investing \$30,000 in design, permitting, and surveying following loss of contracts as dairy producers; as well as pipeline closures not completed on farms, and nonpayment for straw. Also, there was a recent Avian Flu incident in Lancaster County. Should the Avian Flu spread, destruction of flocks will further impact the finances of local farmers.

Prior to his job as a Riverkeeper, Ted served as a volunteer Treasurer of Riverkeeper's Board. Before that, Ted was a marine biologist.

Secretary's Report: **The Secretary's report was emailed, posted on-line, and unanimously approved on a _Stouffer/Folmer_ motion.**

Treasurer's Report: Denny Miller's report was approved on a **_Folmer/Arnold_ motion. Further, a \$505 Lebanon Valley Insurance bill was approved for payment on an Embich/Stouffer motion.**

Board members signed a resolution for Jonestown Bank appointing VP Ben Miller signatory authority along with President Litz.

COMMON ENEMY RULE: And I always thought of water as my friend.

<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR--Tom Embich read requirements for a public well for less than 10 connections. SWA has two seasonal connections, one at our office and one at the pavilion. Tom will file appropriate paperwork.

Tree: Chich Dresch, Met Ed, called back during the meeting. Jo Ellen will return his call.

Tom and Fred will lead a clean-up at Swatara Watershed Park on United Way Day of Caring. Renaissance Crossroad volunteers will be requested too.

Projects Available: Replace well roof (have four bundles of shingles), Floating dock (booklet shared); stabilize bank.

Bordner Cabin: **In State Readiness Training for Red Horse** application filed with the State. Working with Tim Sevison on where advertisement must be placed two times. Boy Scouts from Camp Bashore and MSC also volunteered to help with repairs.

Per **DEPs Ed Muzic**, our **original 2014 General Permit** to repair flood damage @ Bordner Cabin is **in perpetuity**, and extends 45'. The stone wall is **13.00'+/- x 4.00'+/-**).

Corrugated pipe and sandbags are in Fred's warehouse to divert water during repairs.

Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch and retaining wall; **2 Amish solar lights**.

Bridges: Memorial Lake Scout project created a footbridge across a marsh. Also see Rail Trail.

Clean Water: See RSVP.

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding: **VOAD—Volunteers Offering Assistance after Disasters.** Assisted 20 homeowners to date. <https://www.facebook.com/LebanonCountyVOAD/> Please report losses to <https://helpdesk.lcdes.org>

Lebanon Water Authority & PA American Water Co: "The Forge" auction should come up this spring. We'll share dates or information as it comes through.

Little Swatara: Fred Folmer reports the Spotted Lantern Fly quarantine is expanded to Dauphin County. Senator Folmer is holding a forum at 6PM, 101 S Railroad Street, Myerstown.

LV Conservancy: Bob Arnold informed members that they are still negotiating two farms at the warehouses. The parcel through Swatara Gap is settled. The Conservancy will be planting trees.

MS4: Tom Embich reports that a pollution reduction plan was forwarded to DEP. Ten projects are planned for 2019 to retrofit storm-water basins. SCI contacted landowners, but there's resistance to signing maintenance contracts.

The next meeting of LCSC is 4.23, 10AM, at 9220 Mifflin St. The LCCWA Consortium meets 4.24, 10AM, at the North Lebanon Township building.

Newsletter/Year in Review Distributed electronically. On new web.

Quittapahilla: Ann Lasky said .

Pipelines: Williams letter encourages business whose bills went unpaid to submit a claim through their bond company. Fred reports that Attorney General Josh Shapiro is investigating Mariner East, Sunoco, leaks in South Heidelberg, Berks County.

Press: News releases will be sent on the Swatara Sojourn and new website.

Rail Trail: Walking in from Jonestown, the Lebanon to Tremont Railroad Bridge is redecked as a pedestrian bridge, and the trail to Bunker Hill is currently under construction along the Swatara Creek.
<https://www.facebook.com/joellenlitz/videos/10217812638843045/>

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time. SWA presented at **RSVP** 4.2.19, and people were receptive to our projects. 14 slides played in the background during the talk. One man suggested stopping with **AH Moyer** about a van donation to tow canoes. I am a former AH Moyer exclusive customer at Lebanon Body Shop. Long story short, they may **donate a van**. It's stick shift, but we could haul the lawnmower, canoes, building supplies to the Bordner Cabin... or use it on site for additional storage. It's bigger than I thought. Plates and insurance would need researched.

Sojourn Planning: ➤ Shore support: **Laurie Andrews, Jack Stauffer, Jo Ellen Litz. Since Ben will be on the water, Deb will be available to drive his kayak van.**

- 2 Vans: 2" tow hitches are needed. **Tom Embich** make arrangements with Mease Motors and be available to shuttle paddlers. Jo Ellen & Tom pick up Vans. **Deb Miller** additional transport. **Fred Folmer and Jack Stouffer** man the equipment van/trailer.
- Food: **June Blouch** breakfast? Check on Sheetz grant. Approval may have been lost in downed email. **Denny Miller** donated \$ for beverages.

Programs –

Saturday Lunch at Bordner Cabin: subs delivered by **Bruno's**--Program on **Critter Connections** by **Michael Buleza \$140 +mileage, 717.487.0032.**

Other: **Fly fishing by Trout Unlimited Saturday @ Campground; History of the Railroad Sunday lunch.**

Saturday Diner (Delivered @ 5PM): Jonestown KOA. Program

Sunday Lunch at Water Works: pizza Ann & Dave?--Program

Write Grants with POWR (\$900 approved), Sheetz, Hershey, Bayer, GLRA for tires and trash... Registration form. Upload to website.

Filed Fish & Boat Float Plan.

Public Relations—News Releases

Ordered toilets and dumpster... A bucket of River Stones will be purchased to paint positive messages and leave along the Water Trail.

SPONSOR CONFIRMATIONS: Bayer, Bruno's, Cocoa Kayaks, Denny Miller, The Hershey Company, Hershey Outfitters, Izaak Walton League, Pine Grove Fish & Game, POWR, Soaps by Elizabeth

7 PROCLAMATIONS: County of Lebanon, City of Lebanon, Annville Township, North Lebanon, North Londonderry, South Annville, Swatara. West Lebanon not received to date.

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https://mdw.srbc.net/remotewaterquality/data_viewer.aspx

VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019— Ben Additional invitations will be sent to the Rising Sun in Campbelltown, Iron Hill in Hershey. Posters and sign-up forms were distributed. The following volunteers will visit pubs...:

Jack-O'Conner on Pershing Avenue

Bob-The Gin Mill

Fred-Eagle Hotel, Wetlands

Jo Ellen- Harper's, Heisey's Diner, Hidden Still, Moose's LZ, Quentin Tavern, Snitz Creek, Swatara Coffee
On the heels of a successful Food and Brew, with a "Swatara Sip and Stroll," each establishment would be responsible for applying for and providing us with a copy of their special permit along with proof of liability insurance. To hold the event along the Swatara Creek would add to the theme of Clean Water in October. **East Hanover Township requires no permits for Swatara Watershed Park.** Would bring in additional portable

toilets. Participants wear ID Bands to show their age was checked and they paid admittance. Prizes are awarded for the people's choice of best wine and brew.

FEMA 10-year floodplain map link for review and comment:

<http://www.arcgis.com/home/webmap/viewer.html?webmap=c7c19ef8fa384660ba320823e0f0ac9d&extent=-76.8576,40.1983,-76.0144,40.5556>

Water Trail: Jo Ellen delivered Water Trail maps to Visit Lebanon Valley. It's time to fill map boxes.

Other: Vote for **Swatara Coffee veteran entrepreneur John Noll** for him to win \$25,000/. Vote here today: <https://go.streetshares.com/streetshares-foundation-veteran-small-business-award-vote> .

Motion to adjourn by _Stouffer/Miller_.

2018 Swatara Watershed Association event schedule to be placed on community calendars:

- April 27 **United Way Day of Caring** 9:30AM Clean-up **Swatara Watershed Park & Bordner Cabin**
- May 4-5 **Travel through Time** on the **Swatara Sojourn** 9:30AM from Pine Grove
- **May 1, next Watershed meeting at 9:30AM**
- July 3 **Watermelon at the Waterworks** 9:30AM Field Event: Litter clean-up, Meeting, Watermelon
- **July 12-14, 2019 - Swatara Food & Brew Weekend**
- September 15, **Hike and History Tour of Bordner Cabin** 1PM
- October **Sip & Stroll on the Swatara**

****At meetings, those in attendance are asked to refrain from private conversation.**

****Any person in attendance with a question or comment is asked to be recognized by the chair.**

Swatara Watershed Association, 1174 Facebook Likes 3.6.2019

Administration: Ben signed at Jonestown Bank. Jo Ellen's new email is JoEllenLitz15@comcast.net

Lifetime Member Bob Morris passed away. Bob was a great volunteer on the Swatara Sojourn. He'd bring sticks to roast marshmallows, rope, and his can do attitude, build a campfire, and paddle his yellow kayak on many trips. Paddle on, Bob.

Welcome. In attendance: Mike Adams, Bob Arnold, Tom Embich, Fred Folmer, Ann Lasky, Jo Ellen Litz, Ben Miller, Denny Miller.

Secretary's Report: **The Secretary's report was emailed, will be posted on-line, and unanimously approved on a _Folmer/Arnold_ motion.**

Treasurer's Report: Denny Miller's report was approved on a **__ Ben Miller/Arnold__ motion.** A second motion per **D Miller/Embich hires CPA Barry Hostetter to prepare taxes at a cost not to exceed \$850** passed unanimously.

COMMON ENEMY RULE: And I always thought of water as my friend.

<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR--Tom Embich— stated that **if a public well has less than 10 connections, you do not have to file DEP reports. Tom will produce the technical references for our files.** The Lancaster DEP office may close. Tom hasn't been able to contact Dave Linten about our notices.

Due to an enlarged storm water drainage pipe under Blacks Bridge Road causing erosion to a utility service road on our property, SWA tried East Hanover Township to see if they could use their General

Permit to repair the dirt road. They don't have a GP. They suggested contacting PennDot as they put the new culvert under BBR which drains the farm field faster, but PennDot used an emergency permit, not a General Permit. Therefore, they could not help either. Will also contact MetEd Supervisor Charlie Dresh 717.270.4435.

Projects Available: Replace well roof (we have three bundles of shingles), Floating dock; stabilize bank.

Bordner Cabin Red Horse is still waiting on confirmation for a drill. Boy Scouts from Camp Bashore and MSC also volunteered to help with repairs.

Haven't heard anything that Mike received the General Permit to repair the flood damage at Bordner's Cabin. Mike, has Pedrick forwarded additional links & resource information to complete the application.

The original 2014 General Permit can cover the washout/undercut below the concrete slab and piers (under the porch) and the stone wall rebuild on the Route 81 side of the cabin.

The building of a new stone wall (13.00' +/- x 4.00' +/-) in the area of the 50.00' of wall that was destroyed in the flood would require a new permit.

A General Permit allows a longer completion time and covers the level of repairs proposed.

Walters Toilets called with a \$51 bill for October.

Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch; **2 Amish solar lights.**

Bridges: 934

Clean Water: Trump recently set forth "six categories of waters" that are considered **WOTUS**, the Proposed WOTUS **Rule** seeks to ensure that the CWA applies only to those waters "that are physically and meaningfully connected to traditional navigable waters." The six categories are, in general:

1. Traditional Navigable Waters ("TNW"s) – large **water** bodies used in interstate or foreign commerce, *e.g.*, the Mississippi River, and including territorial seas
2. Tributaries – rivers and streams that flow to TNWs, which flow more often than just when it rains, *e.g.* Rock Creek, a tributary to the Potomac River
3. Certain ditches – an "artificial channel used to convey water," if they are TNWs (*e.g.* the Erie Canal), are subject to tides, or are constructed in a tributary or in an adjacent wetlands
4. Certain lakes and ponds – TNWs; **water** bodies that contribute by perennial or intermittent flow downstream to TNWs; or are flooded by another WOTUS
5. Impoundments – impoundments of otherwise defined WOTUS
6. Adjacent wetlands – wetlands that physically touch other WOTUS; wetlands with a surface **water** connection in a typical year from inundation or perennial or intermittent flow; wetlands that are near a WOTUS but not physically touching due to a physical barrier if they are flooded or otherwise reconnected over the surface of the physical barrier

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding: VOAD—Volunteers Offering Assistance after Disasters. Assisted 20 homeowners to date. <https://www.facebook.com/LebanonCountyVOAD/> Please report losses to <https://helpdesk.lcdes.org>

Lebanon Water Authority & PA American Water Co:

Little Swatara: Fred Folmer reports the annual Junk Fair will provide a \$50 prize to each of three winners. Also, the Bethel Township Recreation Board is beginning development of a 15-acre day-use park, which will contain a parking area, tot lot, and a pavilion. Eventually there will be a self-guided nature trail.

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that \$200,000 in projects on Snitz Creek at Wengert's is planned.

The next meeting is 3.19.19, 10AM, at 9220 Mifflin St. The Consortium will meet 4.24.19 at NL Township.

Newsletter/Year in Review Distributed electronically. Still can't edit website.

Quittapahilla: Ann Lasky said 35 Palmyra HS students will help at the Park on Day of Caring.

Pipelines: Williams letter encourages business whose bills went unpaid to submit a claim through their bond company. 2.9.19 DEP halted construction due an explosion in western PA. Sinkholes were the cause. \$13M in fines were issued.

Press: Signing everyone up to receive LebTown, a free electronic newspaper. You will receive an email invitation to which you must accept the subscription. Then, editions will be sent to your email M-F.

Rail Trail: Phase 10 S of Swatara State Park is fully funded utilizing PennDOT's \$6M contribution to the iron bridge as a match for DCNR funds.

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn Planning: ➤ Shore support: **Laurie Andrews, Jack Stauffer, Jo Ellen Litz. Since Ben will be on the water, Deb will be available to drive his kayak van.**

➤ 2 Vans: 2" tow hitches are needed. **Tom Embich** make arrangements with Mease Motors and be available to shuttle paddlers. Jo Ellen & Tom pick up Vans. **Deb Miller** additional transport. **Fred Folmer and Jack Stouffer** man the equipment van/trailer.

➤ Food: **June Blouch** breakfast both days?

Denny Miller \$ for beverages.

Sponsor Miller's Rentals.

Programs –

Saturday Lunch at Bordner Cabin: subs June?--Program on **Critter Connections** by **Michael Buleza \$140 +mileage**, 717.487.0032, is ½ the price of Reptile Rescue-Forgotten Friend (\$350, Jesse Rothacker 717.330.3015 would need a separate sponsor.)

Other suggestions include: **History of the Railroad; Cold Spring by Jim Logan; Fly fishing & tying; Berks Nature on Land Concervation; PA Game Commission's Trout in the Classroom.**

Saturday Diner (Delivered @ 5PM): Jonestown KOA. Program

Sunday Lunch at Water Works: pizza Ann & Dave?--Program

Write Grants with POWR, Sheetz, Hershey, Bayer, GLRA for tires and trash...

Create registration form. Upload to website. (email won't work, but phone # is the same)

File Fish & Boat Float Plan. Public Relations—News Releases, Proclamations from Municipalities...

Order toilets and dumpster...

SPONSOR CONFIRMATIONS: Bayer, The Hershey Company, Izaak Walton League, Pine Grove Fish & Game, Soaps by Elizabeth

PROCLAMATIONS: County of Lebanon, City of Lebanon, Annville Township, North Londonderry, South Annville, Swatara.

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VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019— Ben ran an organizational meeting on February 25, 10:30AM at Mt. Grenta Craft Brewery. He is working on a new agreement form and revised poster. Additional invitations will be sent to the Rising Sun in Campbelltown, Iron Hill in Hershey.

On the heels of a successful Food and Brew, SWA thought about a "chef cook-off" to highlight the many wonderful restaurants supporting Clean Water. At the recent planning session attended by Quentin Tavern, Mount Grenta Craft Brewery, Swatara Coffee, and Snitz Creek Brewery, the restaurateurs asked for a slightly different version of the cook-off. While they would bring pork sliders from Quentin Tavern..., they would also

like to conduct a "Sip and Stroll," which is essentially a type of wine tasting along with featured food. Each establishment would be responsible for applying for and providing us with a copy of their special permit along with proof of liability insurance. To hold the event along the Swatara Creek would add to the theme of Clean Water. They suggested October. **East Hanover Township requires no permits for Swatara Watershed Park.** They believe in property rights. We do have a DEP approved well, and would bring in additional portable toilets. Participants wear ID Bands to show their age was checked and they paid admittance. Prizes are awarded for the people's choice of best wine and brew. **Permission to proceed on a B Miller/Lasky motion. Embich voted no.**

Water Trail:

FEMA 10-year floodplain map link for review and comment:

<http://www.arcgis.com/home/webmap/viewer.html?webmap=c7c19ef8fa384660ba320823e0f0ac9d&extent=-76.8576,40.1983,-76.0144,40.5556>

Water Trail: Visit Lebanon valley needs more Water Trail maps. Jo Ellen will deliver a case.

Other: WEBSITE DOWN, came back up, went down, and is now back up again. Checking into problem.

The Spotted Lantern Fly is in 13 counties and the states of New Jersey, Delaware, and Pennsylvania. Plans include "trap" Trees of Heaven with syrup. Berks County received 900 calls at their Extension Office. Master Gardners track properties.

Motion to adjourn by Arnold/B Miller.

2018 Swatara Watershed Association event schedule to be placed on community calendars:

- April 3, next Watershed meeting at 9:30AM
- April 27 United Way Day of Caring 9:30AM Clean-up Swatara Watershed Park & Bordner Cabin
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- September 15, Hike and History Tour of Bordner Cabin 1PM
- October Sip & Stroll

****At meetings, those in attendance are asked to refrain from private conversation.**

****Any person in attendance with a question or comment is asked to be recognized by the chair.**

Swatara Watershed Association, 1159 Facebook Likes 2.6.2019

Administration: Update Charitable Organization address on file with the DOS. Ben must sign at Jonestown Bank.

Lifetime Member Ray Swingholm passed away. Over the years, Ray shared his love of the outdoors, hiking, and science background with SWA, and he will be missed.

Welcome. In attendance: Tom Embich, Fred Folmer, Ann Lasky, Jo Ellen Litz, Ben Miller, Denny Miller, Jack Stouffer & Melanie Ting.

Secretary's Report: **The Secretary's report was emailed, will be posted on-line, and unanimously approved as corrected on a __Folmer & Laskey __ motion.**

Treasurer's Report: Denny Miller's report was approved on a __ __ motion.

COMMON ENEMY RULE: And I always thought of water as my friend.

<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR--Tom Embich—

1. No discharge of firearms sign posted by Jo Ellen.

2. Schedule tree maintenance in the spring. Obtain quotes from Kreiser's and Samuelson.

Projects Available: Replace well roof (we have three bundles of shingles), Floating dock ("floated" the idea as a Rotary grant project); stabilize bank.

Bordner Cabin Red Horse is still waiting on confirmation for a drill. Boy Scouts from Camp Bashore and MSC also volunteered to help with repairs. Bear Hole Trail/Old State Road opened in November.

Haven't heard anything that Mike received the General Permit to repair the flood damage at Bordner's Cabin. Mike, has Pedrick forwarded additional links & resource information to complete the application.

The original 2014 General Permit can cover the washout/undercut below the concrete slab and piers (under the porch) and the stone wall rebuild on the Route 81 side of the cabin.

The **building of a new stone wall (13.00' =/- x 4.00' +/-)** in the area of the 50.00' of wall that was destroyed in the flood **would require a new permit.**

A **General Permit allows a longer completion time and covers the level of repairs proposed.** Walters Toilets called with a \$51 bill for October.

Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch; **2 Amish solar lights.**

Bridges:

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

SWA received a picture postcard thank you from Eagle Scout Nabeel Rangoonwala.

Flooding: VOAD—Volunteers Offering Assistance after Disasters.

<https://www.facebook.com/LebanonCountyVOAD/> Please report your losses at <https://helpdesk.lcdes.org>.

Lebanon Water Authority & PA American Water Co:

Little Swatara: Fred Folmer reports they continue to raise awareness by stenciling storm drains. They will conduct an Earth Day litter cleanup.

LV Conservancy: Bob Arnold informed members that

MS4: Tom Embich reports that State comments will expand coverage of MS4. The next meeting is 2.19.

Newsletter/Year in Review Distributed electronically.

Quittapahilla: Ann Lasky said QWA will participate in United Way Day of Caring on April 20. QWA is also interested in a \$1 annual rent for an Annville Township flood property alongside the Route 934 bridge, one of 11 properties acquired by the Township.

Pipelines: Sunoco was stopped again due to sinkholes in the Berks, Montgomery, Chester area.

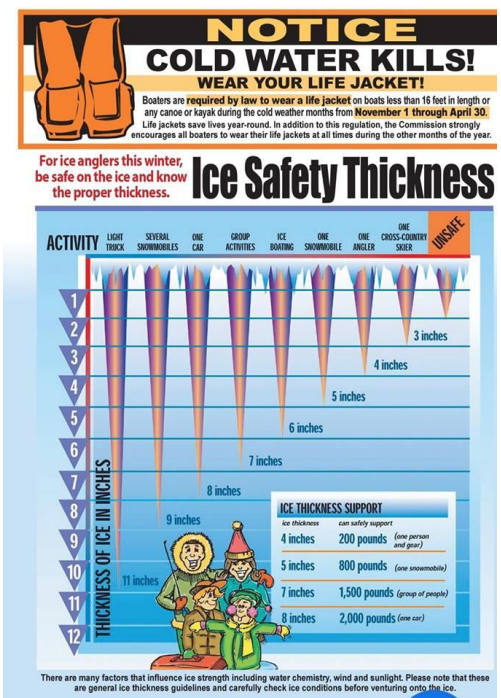
Rail Trail:

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time.

Sojourn Planning: ➤ Shore support: **Laurie Andrews, Jack**

Stauffer, Jo Ellen Litz. Since Ben will be on the water, Deb will be available to drive his kayak van.

➤ 2 Vans: 2" tow hitches are needed. **Tom Embich** make arrangements with Mease Motors and be available to shuttle paddlers. Jo Ellen & Tom pick up Vans. **Ben Miller** additional transport? **Fred Folmer and Jack Stouffer** man the equipment van and trailer. **Bob Arnold** is available Saturday or Sunday to assist.



➤ Food:

June Blouch breakfast both days? **Denny Miller** will donate for beverages.

Programs –

Saturday Lunch at Bordner Cabin: subs June?--Program on **Critter Connections** by **Michael Buleza** \$140 +mileage, 717.487.0032, is ½ the price of Reptile Rescue-Forgotten Friend \$350, Jesse Rothacker 717.330.3015, seek sponsor.

Other suggestions include: **History of the Railroad; Cold Spring** by **Jim Logan**; **Fly fishing & tying** by **Bass Pro**; **Berks Nature on Land Concervation**; **PA Game Commission's Trout in the Classroom**.

Saturday Diner (Delivered @ 5PM): Jonestown KOA. Program on

Sunday Lunch at Water Works: pizza Ann & Dave?--Program

Write Grants with POWR, Sheetz, Hershey, Bayer, GLRA for tires and trash...

Create registration form. Upload to website.

File Fish & Boat Float Plan. Public Relations—News Releases, Proclamations from Municipalities...

Order toilets and dumpster...

SPONSOR CONFIRMATIONS: Bayer, Bill Ames, The Hershey Company, Izaak Walton League, Pine Grove Fish & Game, Soaps by Elizabeth

PROCLAMATIONS: County of Lebanon & Annville Township

SRBC: **WATER QUALITY MONITORING STATION** is installed @ 1929 BBR. Data is displayed:

https://mdw.srbrc.net/remotewaterquality/data_viewer.aspx

VIDEO: <https://www.facebook.com/joellenlitz/videos/10216680970112034/>

Swatara Food & Brew Weekend July 12-14, 2019— Ben will schedule an organizational meeting for February 25, 10:30AM at Mt. Gretna Craft Brewery. From a recent Trivia Night, Ben also turned in \$138 in a check from Mt. Gretna Craft Brewery and \$10 collected in a jar.

Water Trail: Ben would like to try Crowd Funding utilizing CUTTER to raise money for the Emrich Launch supplies. There is about a 6% fee to utilize this format, which provides a website to show progress. While not against the idea, Jo Ellen question security. We already have an account set up with PayPal, and those funds are deposited into our bank account. The more places we have our bank information, the greater risk of hacking. We could create a donation link on our PayPal account, a special qr code if desired, and add a progress chart to our existing web site. Ben will investigate further. There also mini grants for which we could apply from POWR to help fund supplies.

FEMA 10-year floodplain map link for review and comment:



<http://www.arcgis.com/home/webmap/viewer.html?webmap=c7c19ef8fa384660ba320823e0f0ac9d&extent=-76.8576,40.1983,-76.0144,40.5556> **Water Trail:**

Other: **WEBSITE DOWN.** Checking into problem.

Eagle Scout Shelby Lister, received the Isaiah Leadership Award from the YMCA. Shelby has been on the Swatara Sojourn helping to clean up litter with the group from Salem Church.

Cutting ice: <https://youtu.be/P2liY0g6LJA>

Garden n Country: "Would You Stay Here for a Long Weekend?"

<https://www.facebook.com/mygardencountry/photos/a.441804016181835/900054553690110/?type=3&theater>

HellBender: Have you ever seen a hellbender in the Swatara Creek or it's tributaries? It may soon be the State Amphibian as well as on the endangered species list due to silt. It's primary meal is crayfish.

Motion to adjourn by Stouffer & Denny Miller.

2018 Swatara Watershed Association event schedule to be placed on community calendars:

- **March 6, next Watershed meeting at 9:30AM**
- April 27 United Way Day of Caring 9:30AM Clean-up Swatara Watershed Park & Bordner Cabin
- May 4-5 Swatara Sojourn 9:30AM from Pine Grove
- July 3 Watermelon at the Waterworks 9:30AM Field Event: Litter clean-up, Meeting, Watermelon
- **July 12-14, 2019 - Swatara Food & Brew Weekend**
- September 15, Hike and History Tour of Bordner Cabin 1PM

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Swatara Watershed Association, 1120 Facebook Likes 1.1.2019

Welcome. In attendance: Bob Arnold, Fred Folmer, Tom Embich, Ann Lasky, Ben Miller, Jo Ellen Litz, Jack Stouffer.

Secretary's Report: **The Secretary's report was emailed, will be posted on-line, and unanimously approved on a Folmer/B Miller motion.**

Treasurer's Report: Denny Miller's report was approved on a **Embich/Miller motion.**

COMMON ENEMY RULE: And I always thought of water as my friend.

<https://www.facebook.com/joellenlitz/videos/10216309847314196/>

1929 BBR--Tom Embich--

3. Purchased a new combination lock for the entrance. A Folmer/Lasky motion to reimburse Tom for the lock passed unanimously.

4. No discharge of firearms sign ordered by Jo Ellen.

5. Litter cleaned up.

6. Schedule tree maintenance in the spring. Obtain quotes from Kreiser's and Samuelson.

Projects Available: Replace well roof (we have three bundles of shingles), Floating dock; stabilize bank.

Bordner Cabin Red Horse is still waiting on confirmation for a drill. Boy Scouts from Camp Bashore and MSC also volunteered to help with repairs. Bear Hole Trail/Old State Road opened in November.

Haven't heard anything that **Mike received the General Permit** to repair the flood damage at Bordner's Cabin. Mike, has Pedrick forwarded additional links & resource information to complete the application.

The original 2014 General Permit can cover the washout/undercut below the concrete slab and piers (under the porch) and the stone wall rebuild on the Route 81 side of the cabin.

The **building of a new stone wall (13.00' +/- x 4.00' +/-)** in the area of the 50.00' of wall that was destroyed in the flood **would require a new permit.**

A General Permit allows a longer completion time and covers the level of repairs proposed.

Walters Toilets called with a \$51 bill for October.

Projects Available: Roof repair, restore spokes in two wagon wheels; porch bench; chimney repair; walkway replacement; under porch; **2 Amish solar lights.**

Bridges: Tom reported two are out.

Eagle Scouts/Interns: Eagle Scout Hall of Fame album on Facebook: https://www.facebook.com/pg/Swatara-Water-Trail-86311524094/photos/?tab=album&album_id=10151572544779095

Flooding: VOAD—Volunteers Offering Assistance after Disasters.

<https://www.facebook.com/LebanonCountyVOAD/> Please report your losses at <https://helpdesk.lcdes.org> .

Lebanon Water Authority & PA American Water Co: Old Forge Mansion at Christian E Siegrist Dam, per Jon Beers, a spring auction is planned.

AWC Application for 800,000 gpd added to 11mgd from Swatara and Manada Creeks. Comment?

1. PA American has been using a lot less water from CoLA ever since they upgraded some water mains and added a water tank or two in the Annville-Cleona-Hershey area. They average 2,000 gallons per day. They used to average 40,000 gpd or more. (That's 38,000gpd less use, but AMW is applying for an additional 800,000 to meet demand due to population growth.)
2. The 11mgd allocation to PAWC will not directly affect CoLA. County of Lebanon Authority has a standby agreement with them to feed CoLA with water in an emergency, but it has to be pumped between two hydrants. At most CoLA might be able to get 1mgd from PAWC during a short term emergency.
3. None of the water companies "work together" to educate customers. But if you look at their websites, they post very similar information about consumer confidence reports, drought conservation, etc. A lot of those reports and consumer information are required by DEP.
4. If the State issues a drought emergency for a region, they all have to follow it.
5. Absolutely no talks about selling CoLA, that are known. That would be a major undertaking for the City to take back the Authority, as Mayor Anspach tried to do. PAWC's rates are more than twice CoLA's. There would be a lot of upset customers and industries!
6. CoLA will be submitting for a "new" water allocation permit in 2019. Old permit was issued in 1969 for 50 years. They only issue 10 or 25 year permits now.
7. Right now CoLA has 8mgd from Siegrist Dam, 8mgd from Swatara Creek, or 11 mgd combined.
8. CoLA long term growth projections are for higher than 11 mgd, so CoLA will probably ask for more, also.

Little Swatara: Fred Folmer reports that on 11.4.18, the Bethel EAC seminar went well. The EAC will help Albany Township at Hawk Mountain to form a successful EAC, which operates at the pleasure of township supervisors. Brooks Mountcastle and Jeannie Ortiz led the seminar.

Camp Swatara Board of Directors was approached about an easement. The Camp borders the Appalachian Trail, and is a source of several headwater streams to the Little Swatara Creek.

LV Conservancy: Bob Arnold informed members that the 29-acre parcel south of Swatara Gap will be purchased by Fort Indiantown Gap with ACUP funds, and the land, which is located along the Rail Trail, will then be donated to the Conservancy.

MS4: Tom Embich reports that he will forward dates for 2019 meetings. →

Newsletter/Year in Review written, and being proofed. The letter will be distributed electronically.

January 15
February 19
March 19
April 23
May 21
June 18
July 16
August 20
September 17
October 15
November 19
December 17

Quittapahilla: Ann Lasky said there was no meeting in December.

Pipelines: Sunoco Mariner East pipeline was placed into use. However, there are sinkholes around the pipeline near Montgomery County.

Rail Trail: Portions of the new section of Trail off of 25th Street are being worked on.

RSVP: Please complete your forms for Jo Ellen to validate, and send in mileage and your time. Fred donated a \$35 check he received for mileage reimbursement. RSVP reported that they are having trouble raising funds to reimburse mileage. Tom hasn't donated his cash received, and instead used the funds for gasoline for the lawn mower at our Park.

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June Blouch breakfast both days? **Denny Miller**, runner? **Please commit if you can.**

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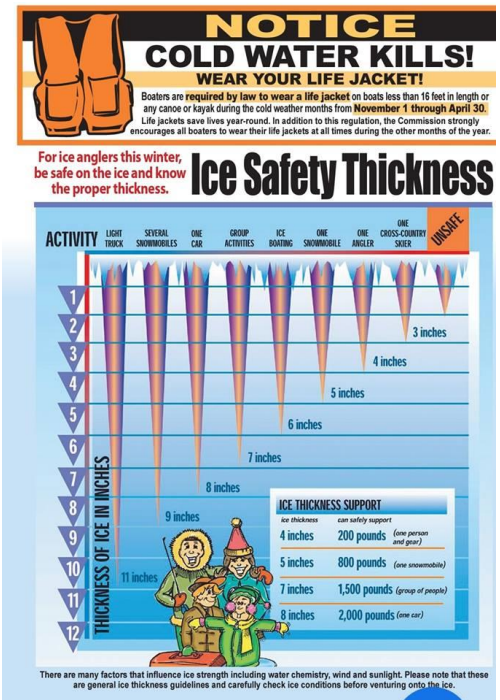
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Swatara Food & Brew Weekend— Ben will schedule an organizational meeting for February. Tom proposed a photo contest. **On an Embich & Stouffer motion, Tom can get pricing.**

FEMA 10-year floodplain map link for review and comment:

<http://www.arcgis.com/home/webmap/viewer.html?webmap=c7c19ef8fa384660ba320823e0f0ac9d&extent=-76.8576,40.1983,-76.0144,40.5556>

Water Trail: 180 tires dumped at Swopes Valley Road launch in Swatara State Park ☹
POWR has a new website to feature the Water Trails.

Other: WEBSITE DOWN. Checking into problem.

- Requested reissue of Derry Township Recycling check from the Foundation for Enhancing Communities.
- Ben tried a birthday fundraiser on Facebook, and raised \$200 for Swatara Watershed. He will forward information on how to claim the funds.
- Ben also shared a second design on fire buckets for the campsites.

2018 Swatara Watershed Association event schedule to be placed on community calendars:

- January 17, 2019 @ 7PM Trivia Night at Mt. Gretna Craft Brewery; set up display.
- **February 6, next Watershed meeting at 9:30AM**
- April 27 United Way Day of Caring 9:30AM Clean-up Swatara Watershed Park & Bordner Cabin
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