

April 17th 2024
Jim Griswold, Bill McDowell &
Randy Stevens

Surface & Ground Water

Jim Griswold is a retired hydrogeologist who spent 30 years in both water supply exploration and development (clean water work) and contaminant hydrogeology (dirty water work). He has worked in a variety of hydrogeologic environments from the deserts of the American Southwest to the tropics of East Africa. Jim will provide a brief primer on ground water: What defines ground water (and is it “groundwater” or “ground water”)? Why are there springs? What happens to ground water when you pump a well? A key concept will be the interconnectivity between ground and surface water and how actions to one form of water will affect the other.



Bill McDowell is Professor Emeritus of Environmental Science at UNH. He is the founding director of the UNH Water Quality Analysis Laboratory, and has been Director of the NH Water Resources Research Center since 2000. He has worked on how land use and landscape features (urban development, permafrost, forest disturbance like hurricanes and wildfires) affect water quality globally. Despite retiring, he continues to maintain an active research program on water quality in New Hampshire through UNH, especially with the Lamprey River Hydrological Observatory.

Bill will talk about current issues with surface water and ground waste in the Lamprey and Great Bay watersheds, with an emphasis on understanding future threats to sustainability.

Randy Stevens will also be joining us to talk briefly about the four rivers and mills.

When and Where?

Join us every **3rd Wednesday** from **7 – 8:30 pm**, from January through April for Backyard Farming Fun!



SAVE THE DATES

- 01/17/24 – Soil Health
- 02/21/24 – Waste & Water Pollution
- 03/20/24 – Water Testing & Treatment
- 04/17/24 – Surface & Ground Water

**Programs will be held in the
Library Program Space
(the old Town Hall!)**

During these programs we will learn about irrigation, carbon sequestration, water contamination and pollution, filter systems, and much more!

**Call or email the Lee Public Library
for further details, or to sign up!**

leelibrary@comcast.net
603-659-2626

Special thanks go out to...

**Brian Ferguson, Jim Griswold, John Shea,
Bill McDowell, Katy Anderson, Stan Oliver,
David Cedarholm, Chad Cochrane,
Exequiel Bardales, the Friends of Lee
Public Library, the Lee Agricultural
Commission, the Lee Sustainability
Committee, and the Lee Public Library!**

**Refreshments for all four programs
will be provided by our Sponsors!**

Lee Backyard Farming Initiative



Welcomes You To

Water!

Jan - April 2024

Join us to find out more!

Too Much/Too Little Pure/Polluted



**Sponsored by the Lee Agricultural
Commission, Lee Sustainability
Committee, the Friends of the Lee Public
Library, and the Lee Public Library**

January 17th 2024

Brian Ferguson, Chad
Cochrane & Exequiel Bardales

Soil Health



Brian Ferguson owns Flag Hill Distillery & Winery in Lee, which is used to produce grapes for the winery, grain for the distillery, and vegetables for their events.

Brian will be talking about no till agriculture, and how it has worked for Flag Hill and soil health management in permaculture. Managing soil health in rows of vines that never move presents all sorts of challenges and they have

been playing around with solutions at Flag Hill for some of these problems!



Chad Cochrane is the State Agronomist for the USDA-Natural Resource Conservation Service in New Hampshire. He works statewide promoting conservation agronomy, sustainable agricultural practices, and soil health management systems. Chad has been a lead supporter and promoter of no-till planting methods, the use of cover crops, and irrigation water management on all sizes and types of farms. Chad will be talking about building resiliency to heavy rainfall and more frequent droughts by focusing on management strategies that improve soil health.



Exequiel Bardales is from DeMeritt Hill Farm, who's mission is to produce top quality fruit, vegetables and other agricultural Products while focusing on providing hands on pick-your-own experiences to our town.

Exequiel will be talking about annual soil testing, irrigation, and using the resources on hand to alter soil PH levels and nutrients to gain the optimum values for growing.



February 21st 2024

David Cedarholm & John Shea

Waste & Water Pollution

John Shea is the owner of Shea's Septic Service here in Lee. For the past 26 years John has been serving our community, and currently works with town facilities in Durham, Madbury and Lee.



John will be joining us to answer questions regarding all of your septic needs. How often should your tank be pumped? How do you detect problems with your system? What is the best



way to maintain your septic? Do you have a question about your leach field? Whatever you need to know, John is here to help!

David Cedarholm is originally from NY and moved to the NH Seacoast in 1988 to attend graduate school at UNH. David holds BS in Geology and a MS in Water Resource Engineering, and currently works as a Senior Civil Engineer with Ransom Consulting in Portsmouth, NH. His professional focus is in water, wastewater and stormwater infrastructure engineering, and environmental compliance. In his free time, David is an avid sailor, banjoist, and a proponent of plant based sustainable living.

David will be presenting an 'Introduction to Pee Cycling and Sustainable Wastewater Management', we are excited to learn more and we hope you are too... please join us!



Refreshments for all four programs will be provided by the Friends of the Lee Public Library & the Lee Agricultural Commission

March 20th 2024

Katy Anderson & Stan Oliver

Water Testing & Treatment



Katy Anderson is the director of drinking water and radon testing at Seacoast Analytical here in Lee.

For the past nine years Katy has been testing and maintaining the quality of our drinking water. Did you know that anyone drinking or cooking with water from a private well should test their water?



Among other things, Katy will teach us about safe testing, water contaminants, when to test water and what to test for!



Stan Oliver is the owner of Yankee Pump & Filter on Pinkham Rd in Lee! Since 1977 Yankee Pump & Filter has provided the local region with top-quality well pump services. Stan will be joining us to talk about water filtering, water treatment, well pump



services, and how to maintain a pump and filter system!

FUN FACT... What is the cleanest body of water in New Hampshire? A pristine, spring-fed lake surrounded by undeveloped land... **Newfound Lake!**

How did Newfound Lake receive the honor of being considered among the cleanest in the world? It's due to a combination of its depth (at 183 feet, it's one of the deepest in the state), the eight freshwater springs that feed its source and truly undeveloped surroundings that protect it from pollutants.

