



Community Meeting

**Delaware Department of Natural Resources
and Environmental Control**

Division of Water

Division of Waste and Hazardous Substances
and the

Delaware Department of Health and Social Services

Division of Public Health

will host a community meeting regarding the results of private well sampling and the next steps in the Town of Little Creek.

When: Thursday, March 7, 2024, 7 p.m.

Where: Little Creek Fire Hall

311 Main Street

Little Creek, DE 19961

For more information, contact:

DNREC Division of Waste and Hazardous Substances

Ombuds Kat Caudle

Katherine.Caudle@Delaware.gov

302-484-1391 (c) or 302-395-2604 (o)



DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health



DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL

Logistics -

- Thank you, Little Creek Volunteer Fire Company!
- Thank you, Mayor and Council of Little Creek!
- Thank you, citizens of Little Creek!

Sign in -

White sheet of paper (so we know you are here)

Info sharing list -

White sheet of paper (Check EMAIL ME for handouts)

Requesting Sampling -

Pink sheet of paper (want your well sampled)

Completing all forms is not required. At a minimum, please let us know you are here.












Agenda – 3/7/2024

- Introductions of DNREC and DHSS
- Why we are meeting
- What DHSS and DNREC have learned
- PFAS and Health
- Ongoing Response – Short Term
- What are the options
 - Short term - underway
 - Long Term – under evaluation
- Our request – If not sampled



Who we are:

-  Todd Keyser, Hydrologist - Waste and Hazardous Substances
-  Kat Caudle, Ombuds - Waste and Hazardous Substances
-  Amber Bataille, Hydrologist - Water
-  Sandi Spiegel, Deputy Chief - Public Health
-  James Hanes, Environmental Scientist - Public Health
-  Abby Storm, Epidemiologist - Public Health
-  Kevin Cottman, Environmental Health Specialist - Public Health
-  Marissa Jacobi, Program Administrator - Public Health
-  Kristin Lazzeri, Geologist - EA Engineering, Science & Technology



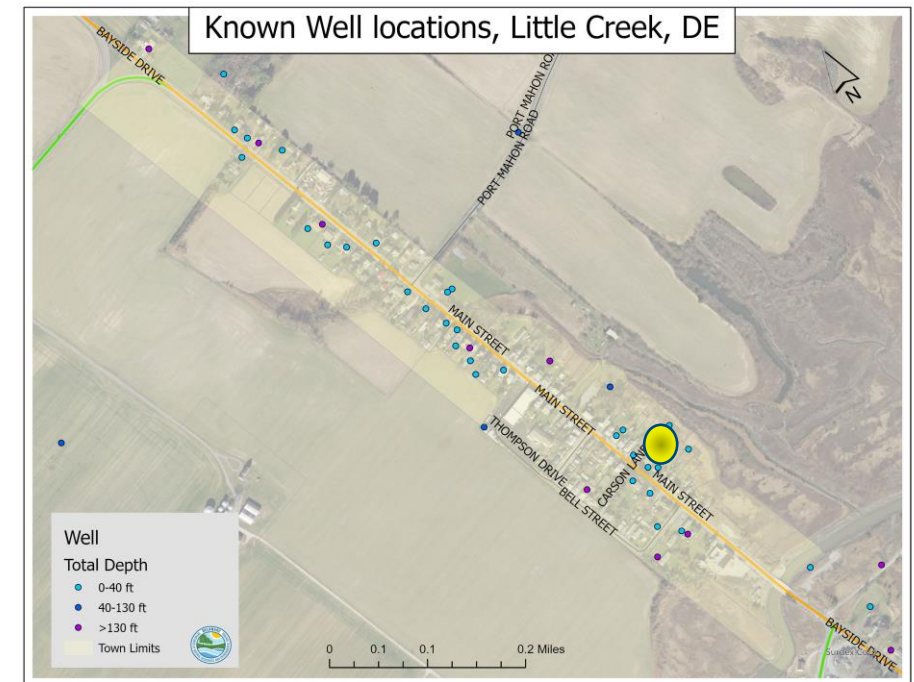
Why we are meeting:

Laboratory Data

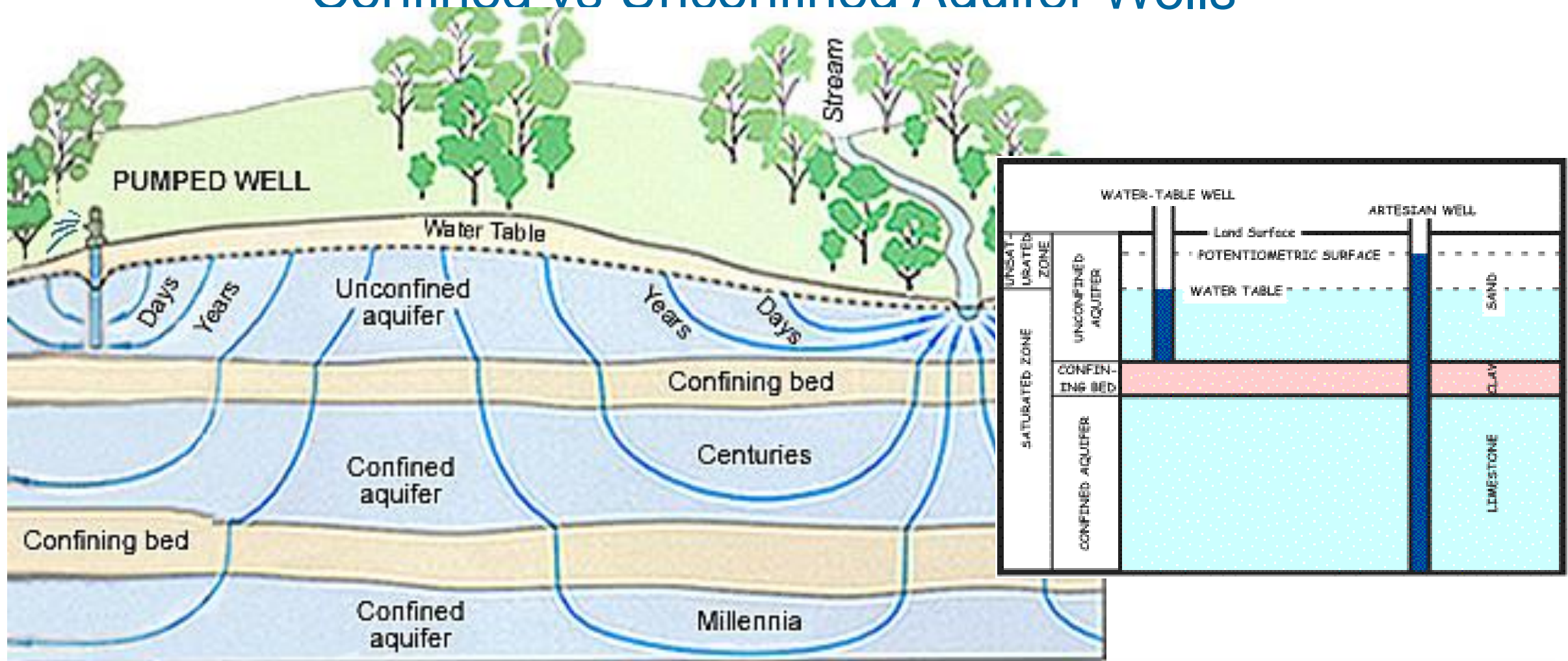
- Sampling conducted of ground and finish water in Little Creek
- Results back for majority of locations –

Knowledge gained

- Confined aquifer wells not impacted
- Unconfined aquifer wells impacted
- Not all wells impacted to same degree



Confined vs Unconfined Aquifer Wells



Courtesy of U.S. Geological Survey



PFAS Sampling locations & Results



Figure 2



PFAS and Health

- Some studies have shown that exposure to some PFAS compounds at high levels:
 - Classified as a “possible carcinogen”
 - May affect the liver function and increase cholesterol levels
 - May increase risk of high blood pressure or pre-eclampsia in pregnant people
 - May result in lower birth weights
 - Most people in the US are regularly exposed via multiple pathways and have detectable levels of PFAS in their blood
 - Overall levels in blood samples have been decreasing since 2002



Options for solutions – Data Evaluation

Short Term – Provide as needed

- Point of use carbon filtration
- Provided by DNREC and DHSS
- Request to sample more wells
Sign Up on Pink Sheet

Long Term – Feasibility Study- Underway

- Whole house water filtration – short and long-term costs
- Deeper well to replace any impacted wells
- Interconnection and water line



Follow Up

Questions to Address

- Health Topics –practitioner health guide
- Existing water treatment is effective
- Pets drinking water – same water as people
ask Kat – Check “EMAIL ME” on white sheet
- Home gardening – references available
ask Kat – Check “EMAIL ME” on white sheet

Water Treatment (short term)

- Public health parameters – those that meet criteria can apply for assistance
- Treatment offered – taking treatment now does not rule out assistance later
- Re-sample with treatment in place (if you have signed up once, you are included)



Our Request

May we sample your well?



DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND
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DELAWARE HEALTH
AND SOCIAL SERVICES
Division of Public Health

Thank you for taking the time to fill out this information card. The information obtained here will be used to ensure well sampling happens as quickly and efficiently as possible.

Name (first and last): _____

Local Address: _____

Daytime Phone #: _____ Evening Phone #: _____

Preferred Email Address: _____

May we sample the water at your home, for the purposes of gathering data on private wells in Little Creek?

- Yes, please sample the water in my home.
- No, I do not want the water at my home to be sampled.
- I need more information, please.

If you answered yes, please fill out the back of this card. If you answered no, please turn your card in to the presenting team.



Sign Up Online

Sign Up on Pink Sheet



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Resources

- Department of Natural Resources and Environmental Control (DNREC)
de.gov/pfas
- Agency for Toxic Substance Disease Registry – Center for Disease Control (ATSDR- CDC)
<https://www.atsdr.cdc.gov/pfas/resources/index.html>
- Department of Health and Social Services (DHSS)
<https://dhss.delaware.gov/dhss/dph/hsp/files/PFOAPFOSFactsheet.pdf>
- Well Owner Resources- <https://wellowner.org/>
- Several handouts available via email request



We welcome your questions!

- Data evaluation continues as we get more back from lab
- Ongoing communication with Little Creek community to assist with questions

Limited handouts tonight
If you would like emailed copies, contact:
Kat Caudle

DNREC_WHS_Ombudsman@delaware.gov

