

Private Well Water Quality in the Village of Lannon



Opening Remarks – Tom Gudex, Village President

Facilitator – Ben Wood, Village Engineer

Panelists – Waukesha Co., Hamilton School District, DNR, CTW Corp.

Submit Surveys to Benda Klemmer, Village Clerk

Public Information Meeting

October 8th, 2018



This is a Developing Situation, and the Village Wants to Provide Current Information

- Brief Presentation (6:00-6:15)
 - Location of Concern
 - Lannon Elementary Status
 - Potential Contamination Sources
 - Testing and Maintaining Well
 - Overview of Village Water System
- Q&A with Panel (6:15 – 6:55)
- Submit Written Questions to Clerk



Return Surveys by November 1st

Multiple wells in the vicinity of Lannon Elementary have tested positive for coliform bacteria and E. coli. Although a majority of the Village Board may be present, no action will be taken. The following representatives will be available at the meeting: Waukesha County Environmental Health Division and/or the Wisconsin DNR, Lannon Elementary School, CTW Corporation (local well specialist), and the Village Engineer.

Please fill out the following information and turn it in to Village Hall by November 1, 2018.

Address: _____

Name: _____

Email or Phone: _____

Do you have any interest in connecting to the Village's municipal water system? YES NO
(Please Circle Yes or No)

Note: Your response is not a commitment.

If you plan to test your well water prior to Nov. 1st, please report that information below.

Date well water was last tested: _____

Did your well test positive for coliform?: _____

Did your well test positive for E. coli?: _____

To test your well for bacteria (\$25/test), contact the

Waukesha County Environmental Health Division by calling 262-896-8300, or visit:

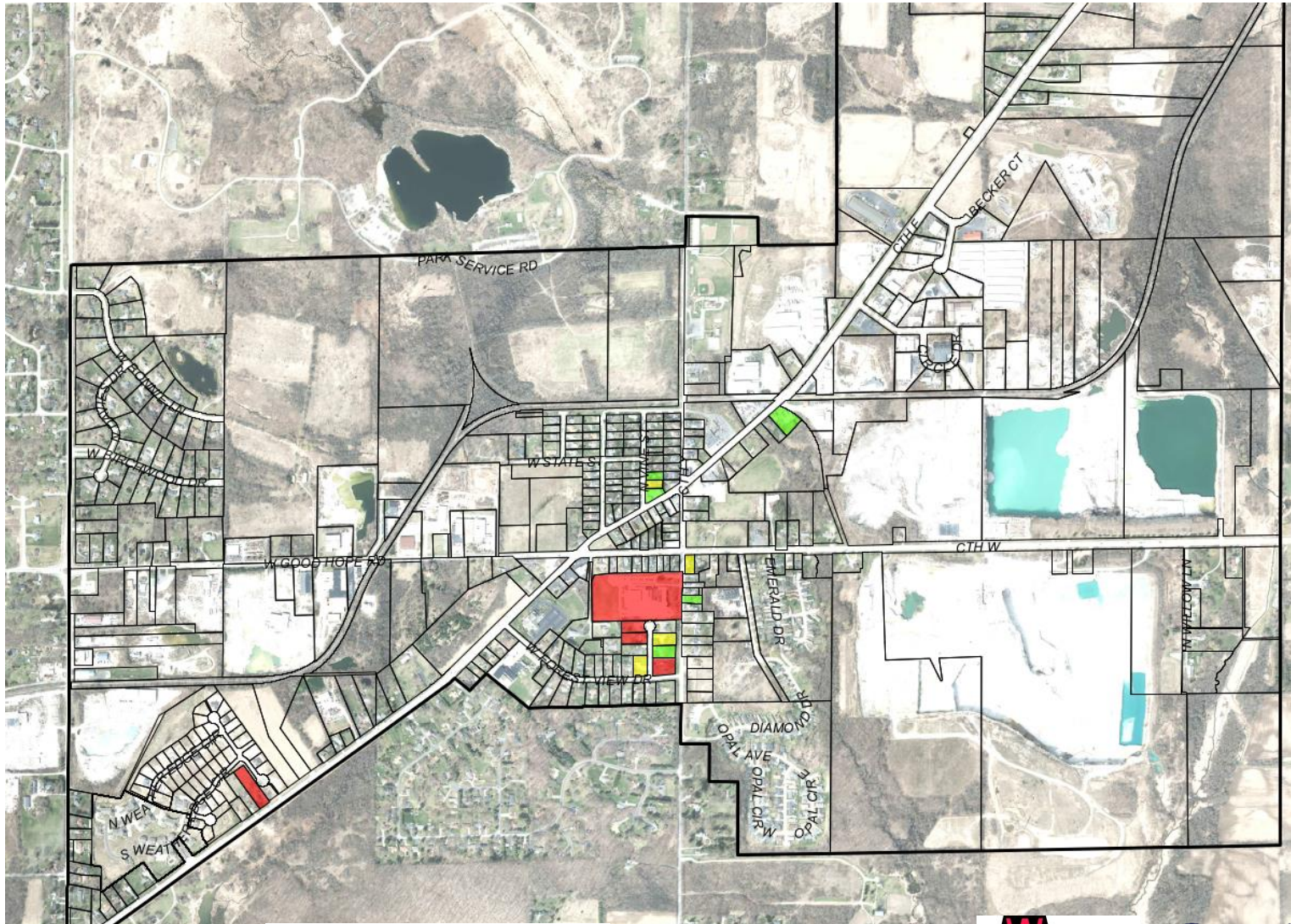
<https://www.waukeshacounty.gov/landandparks/environmental-health/water-wells/water-test/>

For more information regarding private wells, visit:

<https://dnr.wi.gov/topic/Wells/homeowners.html>

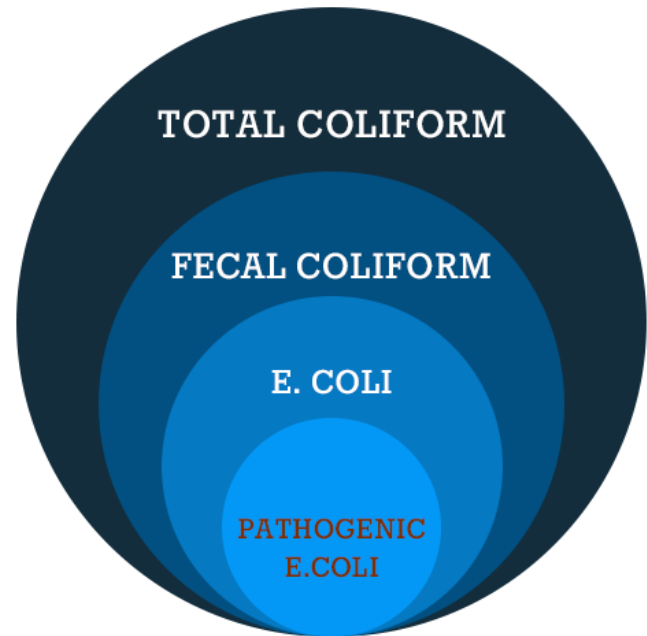


Location of Recent Bacteria Tests as of 10/5/18



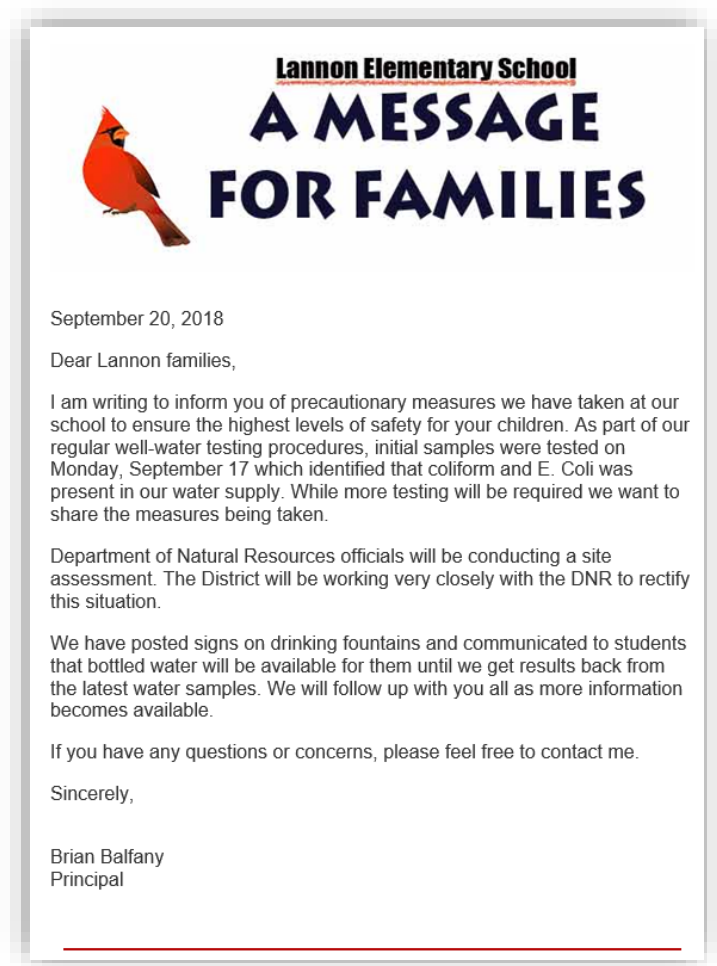
Coliform Bacteria are Indicator Organisms of Contamination Pathways

- Total Coliform Bacteria
 - Contamination indicator
 - Common in soil and surface water
 - Generally harmless
- Fecal Coliform
 - Sewage contamination
- E. Coli
 - Health effects:
 - Gastrointestinal distress
 - Flu-like symptoms



Lannon Elementary Status

- Multiple Positive Tests in September
- Mailers Sent Home
- DNR Contacted
- Village May Extend Municipal Water



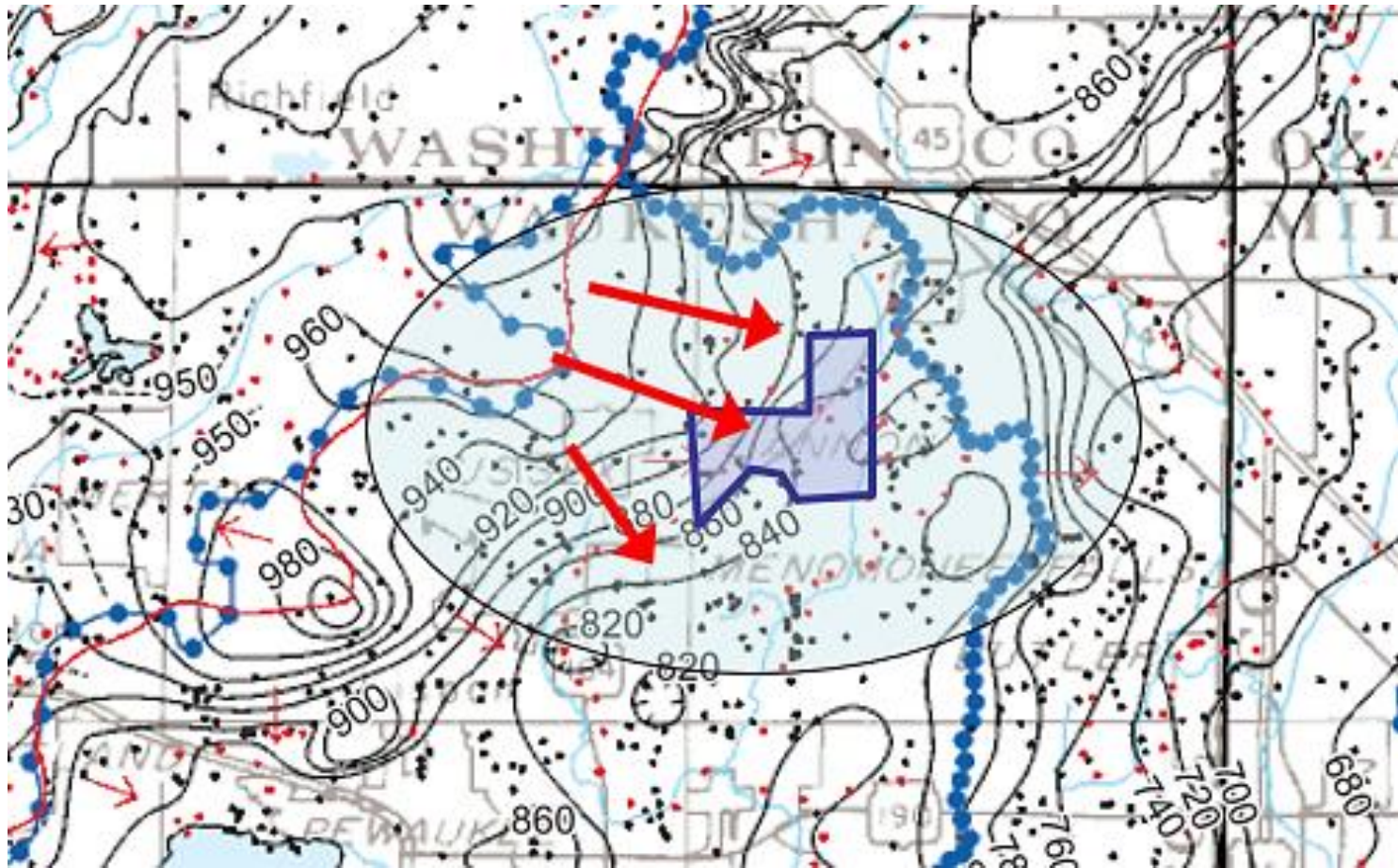
Lannon Elementary – Interim Action

- Food Preparation Only Consists of Warming Items. Anything Else is Prepared Off-Site at Maple Elementary.
- Boil Water Restriction
 - Drinking Fountains are Shut Off
 - Bottled Water Provided for Drinking
 - Hand Sanitizer Provided instead of Sinks



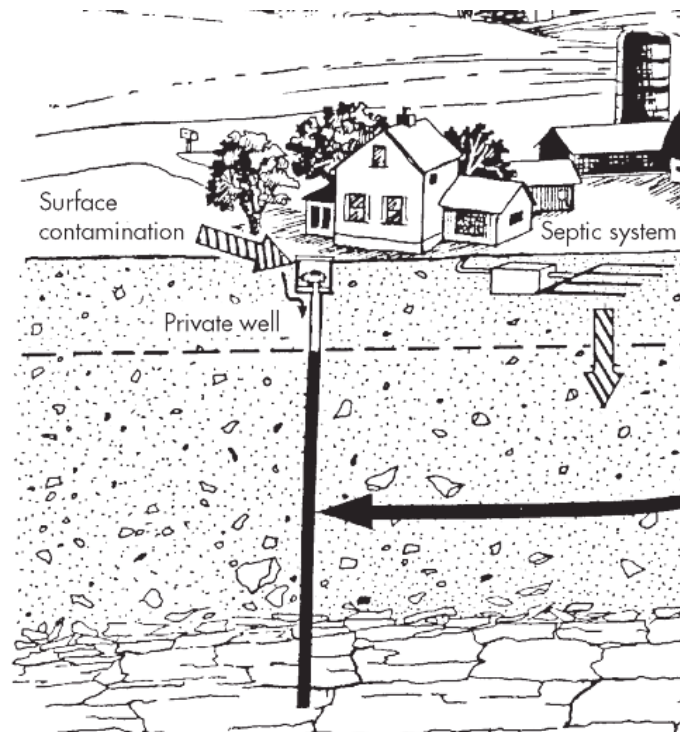
Direction of Flow Indicates All Residents Should Test

- Ground Water Generally Moves from WNW to ESE



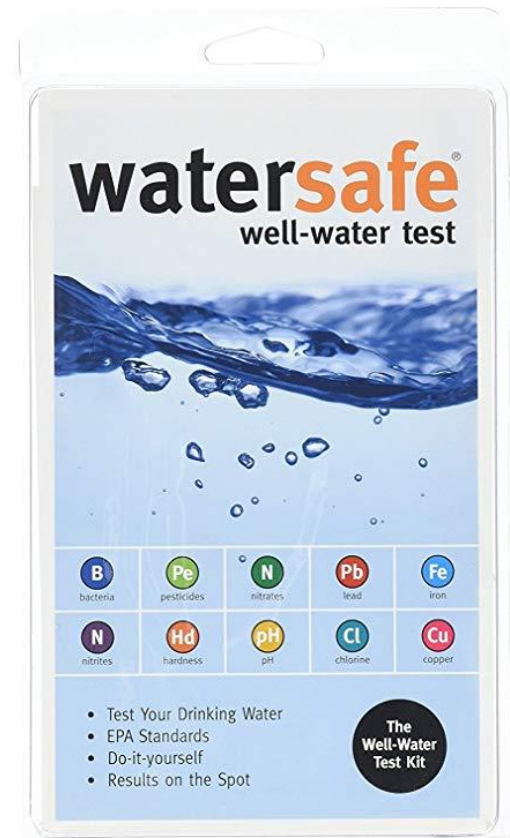
More Testing is Needed to Identify Likely Sources of Contamination

- General Sources Include Failing Septic Systems or Surface Contamination
- Non-Conforming Wells Exist In the Area



Testing and Maintaining Your Private Well

- No Required Testing Frequency
- Typically Requested at Time of Sale
 - Some reports of failed wells from home sellers
- WI DNR Recommends Annual Testing
- Waukesha Co. Offers a \$25 Bacteria Test Kit
- Waukesha Co. and DNR have Information for Disinfecting Wells



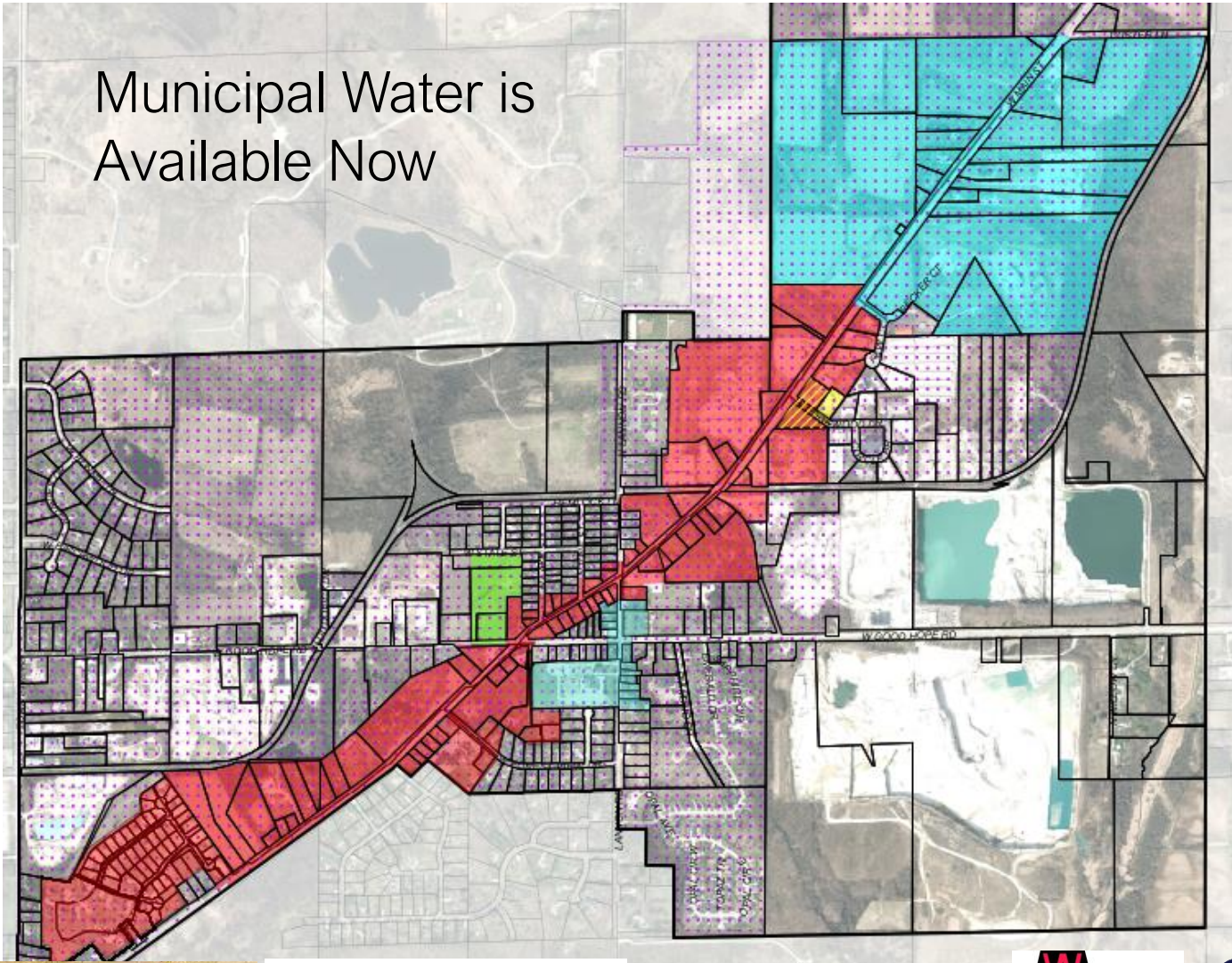
The Village's Municipal Water is Safe to Drink

- The Village well is...
 - Built to Current Codes
 - Disinfected with Chlorine
 - Sampled for Bacteria Monthly
 - Operated by DNR Licensed Professionals
- No Positive Bacteria Tests have been Recorded In the Distribution System



Highlighted Parcels Have Access to Municipal Water

Municipal Water is Available Now



Next Steps

- Elementary School - Likely to Connect to Village Water
- Private Well Owners
 - Test Your Well
 - Turn in Survey – Indicate Interest in Getting Municipal Water
 - Take Appropriate Action If Your Well Test Indicates Bacteria
 - Maintain/Clean
 - Consider Interim Supply or Treatment
- Village May Explore Water System Expansion with Grant Assistance
 - USDA – Rural Development
 - DNR – Safe Drinking Water Loan



Questions – Also Submit Written Questions to Clerk

- Limit Comments to 3 Minutes
- Also Submit Questions to Village Clerk
- Turn In Surveys
- Panelists:
 - WI DNR
 - Waukesha Co. Division of Environmental Health
 - Lannon Elementary
 - CTW – Licensed Well Driller and Water Operator



Return Surveys by November 1st

Multiple wells in the vicinity of Lannon Elementary have tested positive for coliform bacteria and E. coli. Although a majority of the Village Board may be present, no action will be taken. The following representatives will be available at the meeting: Waukesha County Environmental Health Division and/or the Wisconsin DNR, Lannon Elementary School, CTW Corporation (local well specialist), and the Village Engineer.

Please fill out the following information and turn it in to Village Hall by November 1, 2018.

Address: _____

Name: _____

Email or Phone: _____

Do you have any interest in connecting to the Village's municipal water system? YES NO
(Please Circle Yes or No)

Note: Your response is not a commitment.

If you plan to test your well water prior to Nov. 1st, please report that information below.

Date well water was last tested: _____

Did your well test positive for coliform?: _____

Did your well test positive for E. coli?: _____

To test your well for bacteria (\$25/test), contact the

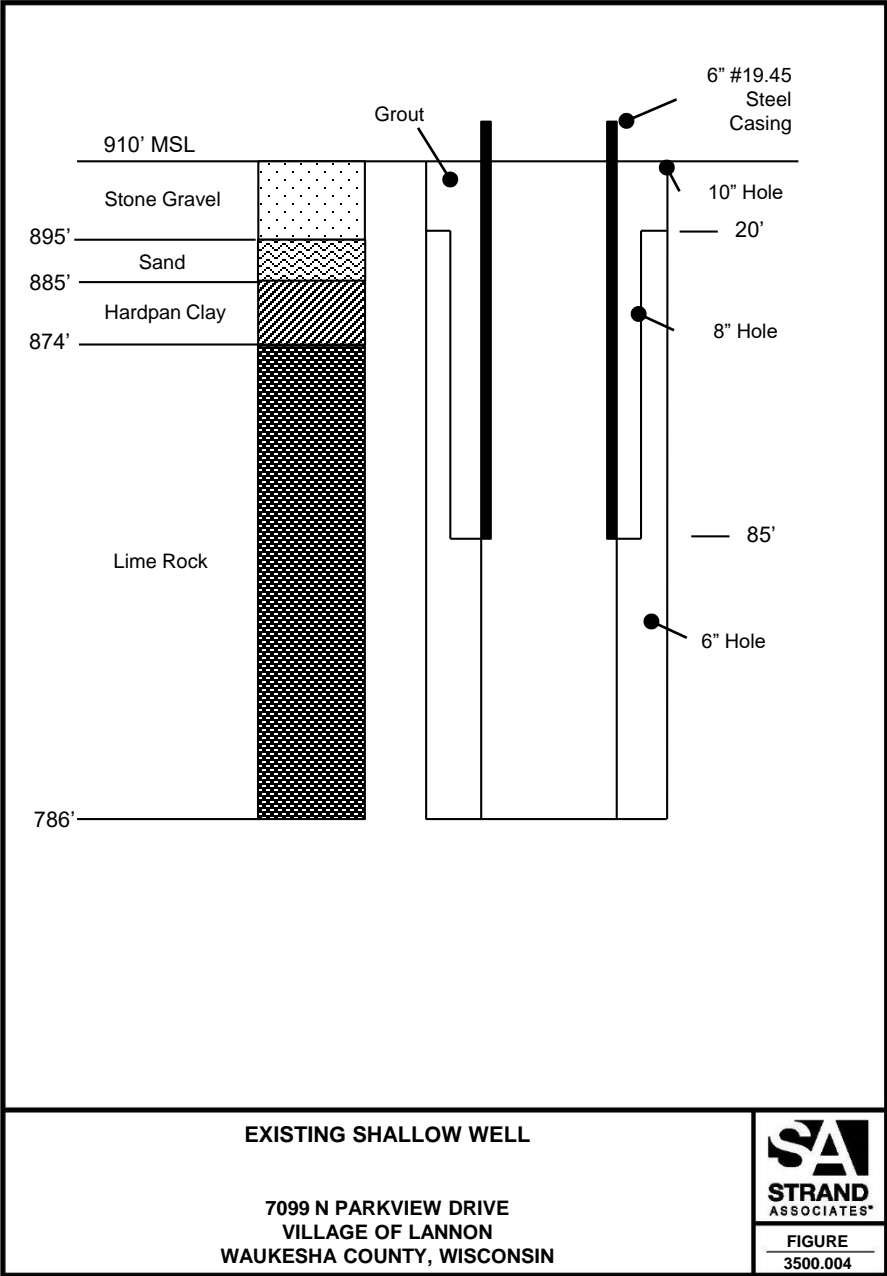
Waukesha County Environmental Health Division by calling 262-896-8300, or visit:

<https://www.waukeshacounty.gov/landandparks/environmental-health/water-wells/water-test/>

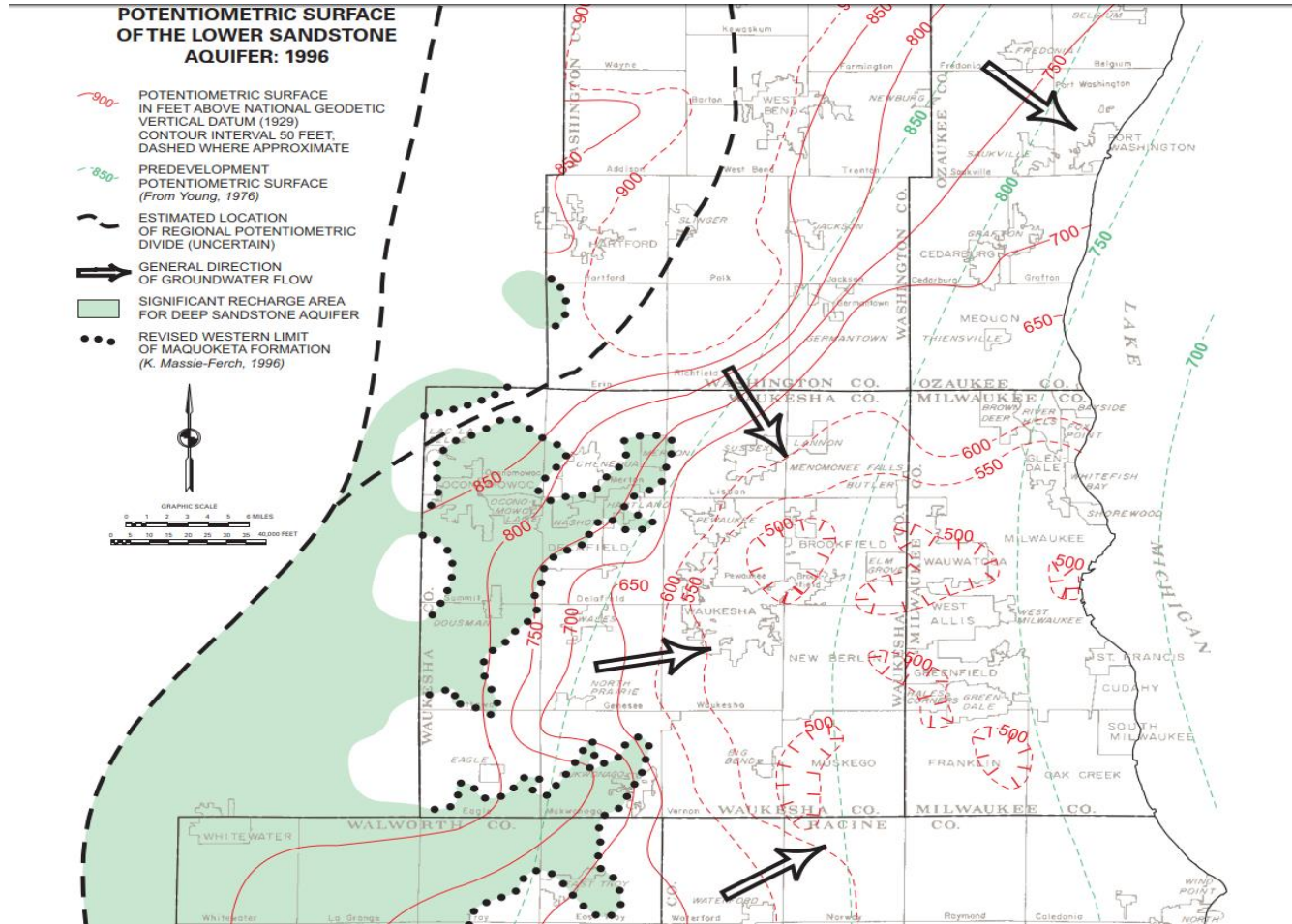
For more information regarding private wells, visit:

<https://dnr.wi.gov/topic/Wells/homeowners.html>





Where is the Water Coming From?



Where is the Water Coming From?

