



North Carolina State Laboratory of Public Health
Environmental Sciences
Microbiology
Certificate of Analysis

4312 District Drive
 MSC 1918
 Raleigh, NC 27699-1918
<http://slph.ncpublichealth.com>
 Phone: 919-733-7308
 Fax: 919-715-8611

FINAL REPORT

Report to: ANDREW CURRIN

Name of System:

HARNETT CO ENVIRONMENTAL HEALTH
 307 CORNELIUS HARNETT BLVD
 Lillington, NC 27546

Michael Weaver
 1710 Matthews Mill Pond Rd
 Angier, NC 27501

EIN: 566000306EH

Delivery: NC Courier

Harnett County

StarLiMS ID: **ES210311-0037**

Date Collected: 03/10/2021

Time Collected: 10:00

By: Andrew Currin

Date Received: 03/11/2021

Time Received: 07:47

By: Angela Heybroek

Sample Source: Well water

Sampling Point: Front spigot

Sample Type:

GPS No.

Treatment:

Well Permit No. EH2102-0026

Comment:

Colilert Profile

Method: SM 9223B

Analyte	Test Result	Unit	Conclusion	Date Tested
Total Coliform	Absent			03/11/2021
E. coli	Absent			03/11/2021

Report Date: 03/12/2021

Reported By: **KPLEMMONS**

Explanations of Coliform Analysis:

If coliform bacteria are **Absent**, the water is considered safe for drinking purpose. If coliform bacteria are **Present**, the water is considered unsafe for drinking purpose. Presence of *E. coli* (bacteria) generally indicates that the water has been contaminated with fecal material. It must be remembered that a water analysis refers only to the sample received and should not be regarded as a complete report on the water supply.

North Carolina Division of Public Health
Occupational and Environmental Epidemiology Branch, Epidemiology Section
BIOLOGICAL ANALYSIS REPORT

Private well water information and recommendations

ES210311-0037

County: HAWKETT Name: MICHAEL WEAVER Sample ID Number: _____
Location: 1710 MATTHEWS MILL POND RD Reviewer ANDREW COLLINS, MPH
ANGIER, NC 27501
Initial Sample Confirmation Sample _____

BIOLOGICAL ANALYSIS RESULTS AND RECOMMENDATIONS FOR USES OF YOUR PRIVATE WELL WATER (These recommendations are based on biological analysis only.)

No coliform bacteria were found in your well water. Your water can be used for all purposes including drinking, cooking, washing dishes, bathing and showering.

_____ Total coliform bacteria were detected in your water sample. Total Coliform are a group of related bacteria that are (with few exceptions) not harmful to humans. A variety of bacteria, parasites, and viruses, known as pathogens, can potentially cause health problems if humans ingest them. EPA considers total coliforms a useful indicator of other pathogens for drinking water. Total coliforms are used to determine the adequacy of water treatment and the integrity of the distribution system.

_____ Your well water needs to be re-tested to verify that the result is accurate.

_____ Fecal coliform bacteria were detected in the sample. **Do not use the water for drinking, cooking, washing dishes, bathing or showering.**

If the re-test shows contamination by bacteria contact your local health department for assistance. There may be a problem with the construction of the well, the groundwater source, or operation of the well. The well needs to be inspected by the local health department or a local well contractor to determine the problem with the well and to give guidance on how to correct the problem.

Your well water was tested for biological contaminants (total coliform and fecal coliform bacteria). The results were evaluated using the federal drinking water standards.

Drinking water may contain substances that can occur naturally in water or can be introduced into water from man-made sources. Total coliform bacteria are found in soil and fecal coliform bacteria are found in animal and human waste. Total coliform or fecal coliform bacteria in well water indicate that the well may have structural problems or that the well was not properly disinfected.

If you have been drinking the well water and are pregnant, nursing, have a child in the household under 5 years of age, or immunocompromised (such as an individual with AIDS, cancer, hepatitis, dialysis or surgical procedures) inform your physician of these results at your next visit.

If the contamination continues, you should investigate the possibility of drilling a new well or installing a point-of-entry disinfection unit, which can use chlorine, ultraviolet light, or ozone.

For further information, please contact your county health department or the Occupational and Environmental Epidemiology Branch at 919-707-5900.



North Carolina State Laboratory of Public Health
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Inorganic Chemistry

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Certificate of Analysis

FINAL REPORT

Report to: ANDREW CURRIN

Name of System:

HARNETT CO ENVIRONMENTAL HEALTH
 307 CORNELIUS HARNETT BLVD
 LILLINGTON, NC 27546

Michael Weaver
 1710 Matthews Mill Pond Rd.
 Angier, NC 27501

EIN: 566000306EH

Delivery: NC Courier

StarLIMS ID: **ES210311-0028**

Date Collected: 03/10/2021

Time Collected: 10:00

By: Andrew Currin

Date Received: 03/11/2021

Time Received: 07:43

Sample Type: Raw

Sampling Point: Front Spigot

Well Permit No. EH2102-0026

Sample Source: Well water

Receipt Temp. :

GPS Number:

Profile: Inorganic Chemical I

Analyte	Test Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	<0.001	0.010	mg/L	
Barium	<0.1	2.0	mg/L	
Cadmium	<0.001	0.005	mg/L	
Calcium	15		mg/L	
Chloride	22.2	250	mg/L	
Chromium	<0.001	0.10	mg/L	
Copper	<0.01	1.3	mg/L	
Fluoride	<0.1	4.00	mg/L	
Iron	<0.06	0.30	mg/L	
Lead	<0.003	0.015	mg/L	
Magnesium	6		mg/L	
Manganese	0.01	0.05	mg/L	
pH	5.8		N/A	
Selenium	<0.005	0.05	mg/L	
Silver	<0.01	0.10	mg/L	
Sodium	4.6		mg/L	
Sulfate	8.6	250	mg/L	
Total Alkalinity	3		mg/L	
Total Hardness	60		mg/L	
Zinc	<0.05	5.0	mg/L	

Report Date: 03/22/2021

Reported By:

Marc Komlos



Private Well Information and Use Recommendations

For Inorganic Chemical Contaminants

County: HAYWATT

Name: MICHAEL WEAVER

Sample ID #: ES210311-0028

1710 MATTHEWS MILL POND RD ANGLIER, NC 27521
Reviewer: ANDREW COLLINS, NCS

TEST RESULTS AND USE RECOMMENDATIONS

- Your well water meets federal drinking water standards *for inorganic chemicals*. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***. You may have other water sampling results that are not taken into account in this report.
- The following substance(s) exceeded federal drinking water standards or the North Carolina 2L calculated health levels. The North Carolina Division of Public Health recommends that your well water not be used for drinking and cooking, unless you install a water treatment system to remove the circled substance(s). However, it may be used for washing, cleaning, bathing and showering based on the ***inorganic chemical results only***.

Arsenic	Barium	Cadmium	Chromium	Copper	Fluoride	Lead	Iron	
Manganese	Mercury	Nitrate/Nitrite	Selenium	Silver	Magnesium	Zinc	pH	

- a. Sodium levels exceed the U.S. Environmental Protection Agency's (USEPA) Health Advisory level for sodium of 20 mg/l. The North Carolina Division of Public Health recommends that only individuals on no or low sodium restricted diets not use this water for drinking or cooking. It may be used for washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***.
 - b. Levels over 30 mg/l may pose aesthetic problems such as bad taste, odor, staining of porcelain, etc.
- Re-sampling is recommended in _____ months.
- Re-sample for lead and /or copper. Take a first draw, 5 minute, and 15 minute sample inside the house (preferably the kitchen) and if possible a first draw, 5 minute and a 15 minute sample at the well head to determine the source of the lead and/or copper.
- The following substance(s) exceeded federal drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***, but ***aesthetic*** problems such as bad taste, odor, staining of porcelain, etc. may occur. You may want to install a household water treatment system to address aesthetic problems.

Barium	Cadmium	Chromium	Fluoride	Iron	Magnesium
Manganese	Selenium	Silver	pH	Zinc	

For more information regarding your well water results, please call the North Carolina Division of Public Health at 919-707-5900.



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Certificate of Analysis

FINAL REPORT

Report to: ANDREW CURRIN

HARNETT CO ENVIRONMENTAL HEALTH
 307 CORNELIUS HARNETT BLVD
 LILLINGTON, NC 27546

Name of System:

Michael Weaver
 1710 Matthews Mill Pond Rd
 Angier, NC 27501

EIN: 566000306EH

Delivery:

Harnett County

StarLIMS ID: **ES210311-0066-001**

Date Collected: 03/10/2021

Time Collected: 10:00

By: **Andrew Currin**

Sample ID: **210110**

Date Received: 03/11/2021

Time Received: 09:11

By: **Rachel Odom**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Well water

Temp. at Receipt: 5.3 °C

GPS #

Comment:

PESTICIDES Profile

Method: EPA 508

Analyte	Test Result	Reporting Limit	Unit	Qualifier(s)
Hexachlorocyclopentadiene	Not Detected	0.1	ug/L	
Propachlor	Not Detected	0.1	ug/L	
Trifluralin	Not Detected	0.1	ug/L	
Hexachlorobenzene	Not Detected	0.1	ug/L	
Lindane	Not Detected	0.1	ug/L	
Heptachlor	Not Detected	0.1	ug/L	
Aldrin	Not Detected	0.1	ug/L	
Heptachlor epoxide	Not Detected	0.1	ug/L	
Dieldrin	Not Detected	0.1	ug/L	
Endrin	Not Detected	0.1	ug/L	
Methoxychlor	Not Detected	0.1	ug/L	
Chlordane	Not Detected	0.1	ug/L	
Toxaphene	Not Detected	0.1	ug/L	

Report Date: 03/31/2021

Reported By: James Parrish