



North Carolina State Laboratory Public Health

Environmental Sciences

Microbiology

Certificate of Analysis

P.O. Box 28047
306 N. Wilmington St.
Raleigh, NC 27611-8047
<http://slph.state.nc.us>
Phone: 919-733-7834
Fax: 919-733-8695

Report To:

HARNETT CO ENVIRONMENTAL HEALTH

**307 CORNELIUS HARNETT BLVD
LILLINGTON, NC 27546**

Name of System:

Sharon Castaldo

**3375 Meadowlark Rd
DUNN, NC 28334**

StarLiMS Sample ID: **ES030509-0018001**



Collected: 03/04/2009 13:27

Received: 03/05/2009 08:04

Bryan McSwain

Darneice Lyons

ES Microbiology ID: **2330**

GPS Number:

Sample Source: **Well**

Sampling Point: **Outside Spigot**

Well Permit Number:

Sample Description:

Comment:

Environmental Microbiology - Colilert Profile

Method: SM 9223B

Test Name: Colilert

Analyte	Test Result	Analyst	Date
Total Coliform, Colilert	Absent	Benjamin Saavedra	03/06/2009
E. coli, Colilert	Absent	Benjamin Saavedra	03/06/2009

Report Date: 03/06/2009

Reported By: Susan Beasley

Explanations

Coliform Analysis:

If coliform bacteria are Absent, the water is considered safe for drinking purposes. If coliform bacteria are Present, the water is considered unsafe for drinking purposes. 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.

Inorganic Analysis:

Recommended limits for drinking water. Sample should not exceed levels listed below.

Alkalinity	No established limits	Iron	0.30 mg/l
Arsenic	0.01 mg/l	Lead	0.015 mg/l
Calcium	No established limits	Magnesium	No established limits
Chloride	250 mg/l	Manganese	0.05 mg/l
Copper	1.3 mg/l	Nitrate	10 mg/l (as N)
Fluoride	4 mg/l	Nitrite	1.0 mg/l (as N)
Hardness	No established limits	pH	Not less than 6.5 units
		Zinc	5.0 mg/l

MAR 11 2009

COLIFORM ANALYSIS - PRIVATE WATER SUPPLY

Name of Owner or Tenant: Castaldo, Sharon **County:** Harnett
Address: 3375 Meadowlark Rd Dunn, NC **ZIP:** 28334
Source: Well **Type of Sampling Point:** Spigot at well
Collected By: BM **Date:** 1/27/2009 **Time:** 2:15 PM
Signed By: McSwain, Bryan **Analysis Type:** Private

Report To: Harnett Co. Health Dept.
307 Cornelius Harnett Blvd.
Lillington, NC 27546 (910) 893-7547

BACTERIOLOGIC ANALYSIS

<u>CONTAMINANTS</u>	<u>RESULT</u>
Total Coliform (ColilertRoutine)	Present
Fecal/E. coli	Absent

Sample No: AB16558 **Date Received:** 1/28/2009 **Time Received:** 9:10:00 AM
Date Reported: 1/29/2009 **Today's Date:** 1/29/2009
Comments: New well permit # 08-5-20063

J. Beasley

Harnett Co. Health Dept.
ATTN: McSwain, Bryan
307 Cornelius Harnett Blvd.
Lillington, NC 27546

Courier 14-73-01

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FEB 02 2009

**Information and Recommendations for Uses of Private Well Water
For Biological Contaminants Found in Water**
North Carolina Occupational and Environmental Epidemiology Branch (OEEB)
For Additional Advice and Information call 919-707-5900

Name: Castaldi

County: Hernett

Sample Identification Number: AB16558

Information on Your Private Well Water

Your well water was laboratory tested for biological contaminants (total coliform and fecal coliform bacteria). Total coliform bacteria are found in soil and fecal coliform bacteria are found in animal and human waste. The presence of total coliform or fecal coliform bacteria in well water indicates that the well may have structural deficiencies or that the well was not properly disinfected.

Recommendations for Uses of Your Private Well Water

No coliform bacteria were found in your well water. Therefore, your water could be used for drinking, cooking, washing dishes, bathing, and showering.

Total coliform and/or fecal coliform bacteria were detected in the resample which indicate that pathogenic bacteria from human or animal waste could possibly enter the well. There may be a problem with the construction of the well, the water source, or operation of the well. The water may not be safe. **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 the results.** 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. You should resample your water after proper well inspection and disinfection to make certain that the problem does not recur. If the contamination is a recurring problem, you should investigate the feasibility of drilling a new well or installing a point-of-entry disinfection unit which can use chlorine, ultraviolet light, or ozone.

Do not use the water for drinking, cooking, washing dishes, bathing, or showering unless you boil it for at least one minute.

Other Comments

*2/24/09 - ready for
Re-check*

Harnett County Government Complex
307 Cornelius Harnett Boulevard
Lillington, NC 27546

ph: 910-893-7547

fax: 910-893-9371

February 4, 2009

Sharon Castaldo
3375 Meadowlark Rd.
Dunn, NC 28334

RE: Bacteriological water sample collected on 1-27-2009

Dear Ms. Castaldo,

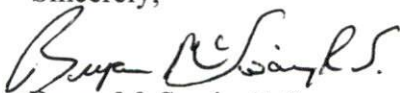
The report of your water sample taken for the above address, revealed the presence of coliform. A copy of the water sample report is enclosed.

The enclosed pamphlet provides specific directions about how to disinfect the well. If you have any questions, contact the Aquifer Protection Section at the Fayetteville Regional Office at (910) 433-3300 or contact me at (910) 893-7547.

As soon as the well has been treated, contact the Harnett County Division of Environmental Health so another sample can be taken. No fee will be charged for a second sample if the request is made within thirty (30) days of this letter. After thirty (30) days, the fee for a second sample is \$25.00.

If you have any questions, please call me Monday through Friday between 8:00 and 9:00 a.m. at (910) 893-7547.

Sincerely,



Bryan McSwain, R.S.
Environmental Health Specialist
Harnett County Department of Public Health

BM/sgs

Enclosures: Water Sample Report
How to Disinfect Your Water Well