

WATER

OUR MOST PRECIOUS COMMODITY

Essential to all life

SQUIRES WATER WELL DRILLING

- We Are Family run Business
- We Pride ourselves in All Aspects from Drilling a well to installing pump systems and filtration systems when required



SQUIRES WATER WELL DRILLING
Artesian Water Well & Geothermal Drilling
SERVING ALL NEWFOUNDLAND
"Your first Choice for Peace of mind for a job **WELL** Done."

Complete Pump Installations
with full 5-year Warranty

ROD SQUIRES
709-682-6348
DARLENE SQUIRES
709-682-3069
1-877-738-4079 msg/tax
E-mail: squiresweldrilling@yahoo.ca

Free Site Inspection • Year Round Operations



Squires Water Well Drilling

When drilling wells we always ensure safety is upmost important
When installing our casing we seal the casing by grouting with beninoite a natural clay with no additives



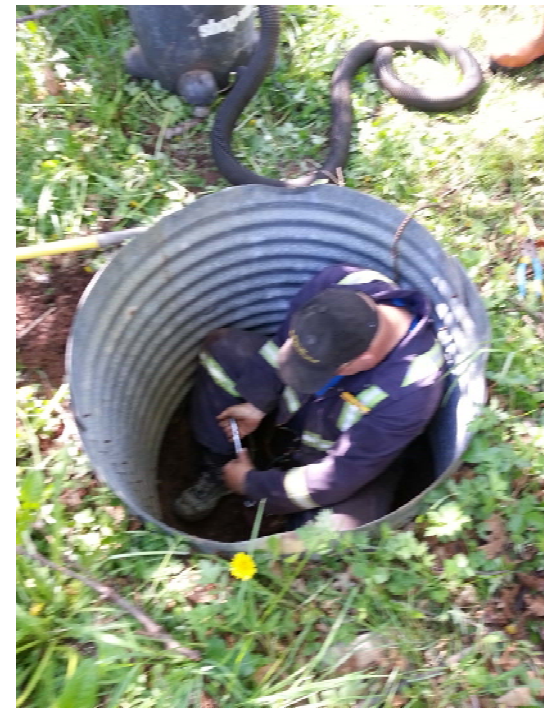
Squires Water Well Drilling

- We service both new and old wells
 - Artesian & Dug Wells.
- Pump systems and Filtration systems
- We believe that It is very important to have safe Drinking water.

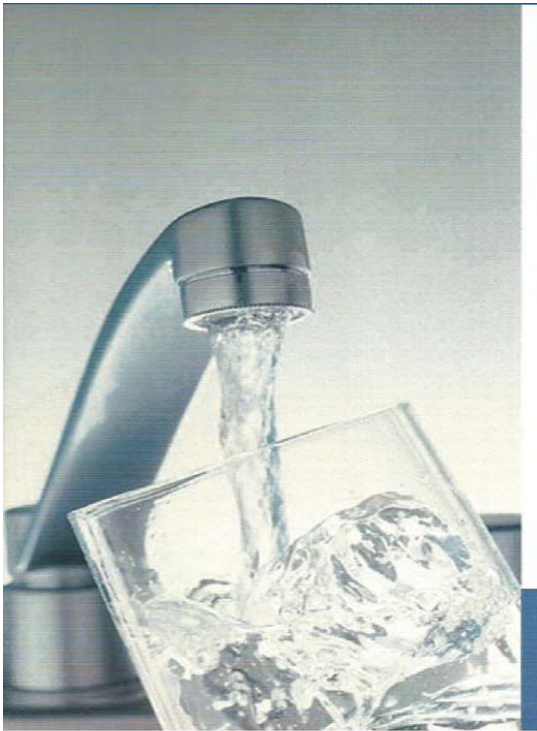
Important to have pump systems properly installed



Improper Installation of Pump Systems causing pumps to get stuck and well contamination



A Precious Gift, Taken for Granted Until its gone



SUPPORTED BY: Conservation Corps Newfoundland and Labrador

**Every home needs clean
drinking water.**

You can not see harmful Bacteria or
minerals in the water

Until YOU receive their water test results. We Do not Realize that our water can be Harmful to us and our families! Water should be tested twice a Year.

RUN DATE: 04/09/13
 RUN TIME: 1500

PAGE 1

NEWFOUNDLAND AND LABRADOR PUBLIC HEALTH LABORATORY
 SUITE 1, 100 FOREST ROAD
 ST. JOHN'S, NL, A1A 3Z9
 Phone: 709-777-6583 Fax: 709-777-7070
 SANITARY REPORT

Name: [REDACTED]	Requested By: CLIENT
Report To: [REDACTED]	Ref #: [REDACTED]
[REDACTED]	Phone: [REDACTED]
Sampling Site:	

Specimen: 13:SA0010933R	Collected: 02/09/13-1400	Status: COMP	Req#: 01604201
	Received: 03/09/13-1525	Source: WATER-PRIV	Sp Desc: DRILL WELL
		Collected By: [REDACTED]	

Ordered: PRIVATE WATER
 Comments: In Reference To [REDACTED]
 Source:

Procedure	Result	Site
BACTERIOLOGY (PRIVATE WATER) Final		
Total Coliforms	Detected	
E.coli	Detected	
Drinking water should be brought to a vigorous rolling boil for at least one full minute.		
For further assistance contact Service NL, Harbour Grace, telephone 945-3107 or visit www.env.gov.nl.ca/env/waterres/quality/drinkingwater/index.html		
tml		

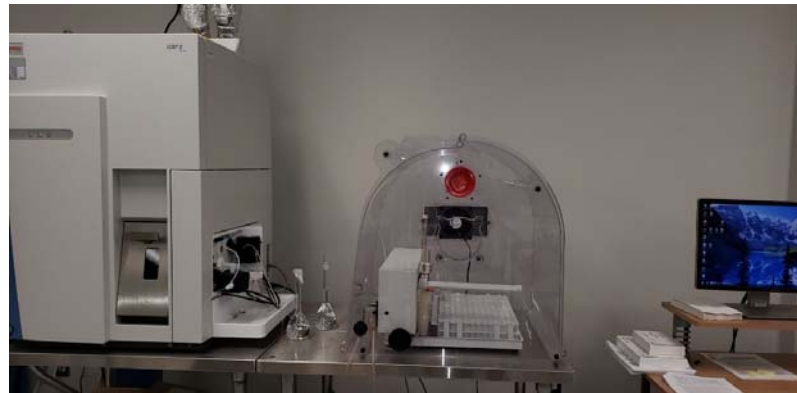
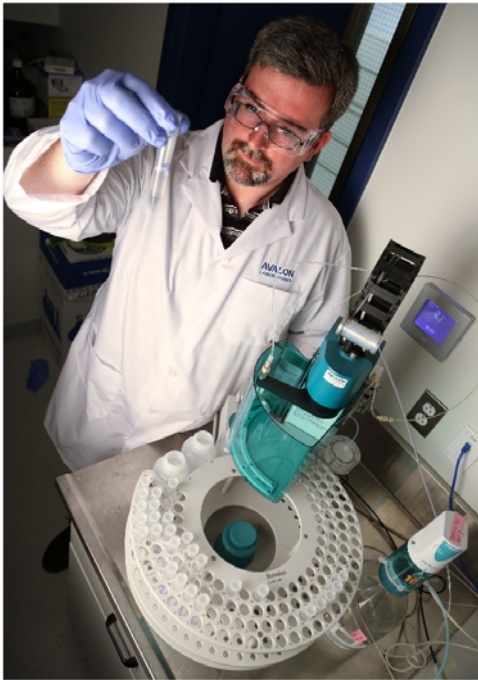
Hidden Minerals that can not be Detected without an Accredited Test


- Most people will look for filtration systems if they have a smell, discoloration or a staining
- There are hidden dangers that have no taste or smell but can have serious medical issues if consumed for a long period of time
- Arsenic
- Uranium
- Lead..... to name a few

Accredited Mineral Test VS Filtration Companies

- Did you know that Filtration companies are not accurate?
- They use a test kit that can be bought on line
- They test for the simple minerals
- They can not test for Every mineral that can be in the water
- Such as arsenic They just can detect if its Present not the amount

Avalon Laboratories



 **CALA** Canadian Association for Laboratory Accreditation Inc. **CALA Directory of Laboratories**

Membership Number: 2927
Laboratory Name: Avalon Laboratories Inc.
Parent Institution: Avalon Laboratories Inc.
Address: 550 Brengers Blvd, Paradise Hill, A1L 4A2
Contact: Ms. Beverly Wither
Phone: (709) 726-6346
Fax:
Email: swinter@avalonlaboratories.ca

Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: Specified Clients
Revised On: February 13, 2018
Valid To: August 15, 2020

Scope of Accreditation

Food (Swagelok)
Ash - Seafood (S48)
SOP 10072, modified from ADAG 938.08
GRAVIMETRIC
Ash

Food (Swagelok)
Crude Fat - Seafood (D48)
SOP 10075, modified from ADAG 948.19
ACID HYDROLYSIS METHOD
Crude Fat

Food (Swagelok)
Moisture - Seafood (D47)
SOP 10073, modified from ADAG 950.48
GRAVIMETRIC
Moisture %

Food (Swagelok)
Protein - Seafood (D45)
SOP 10076, modified from ADAG 959.08
NUTRICAL
Protein (N)

Food (Microbiology)
Campylobacter - Food Products and Production Environmental Samples (D52)
ADAC (E) 402 (D); - AOAC RT 9501201
VEMB - CAM
Campylobacter

1. "D52M" includes the appendix is used for the analysis of Chlorine drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (SDWA).
This list of items and measurement capabilities for which a laboratory is accredited is current as of the time due to circumstances such as change in legislation, with many without regard to their use by the laboratory and suspension. Scopes are published by the CALA via the Internet at http://www.cala.ca/avalon_directory.html

Accredited Mineral Test

Analytes	Units	RDL	Analysis Date	Trevor Clarke Jan 11, 2019 @ 1:00PM W19-0034	Canadian Drinking Water Guidelines Limit
Beryllium	µg/L	0.4	11-Jan-19	1.1	-
Boron	µg/L	4	11-Jan-19	181.254	5000 µg/L
Sodium	mg/L	0.1	11-Jan-19	64.87	≤ 200 mg/L (AO/OG)
Magnesium	mg/L	0.02	11-Jan-19	2.77	-
Aluminium	µg/L	3.0	11-Jan-19	21482.6	≤ 100 µg/L (AO/OG)
Phosphorus	mg/L	0.020	11-Jan-19	0.168	-
Potassium	mg/L	0.08	11-Jan-19	8.47	-
Calcium	mg/L	0.4	11-Jan-19	1.8	-
Titanium	µg/L	0.15	11-Jan-19	436.81	-
Vanadium	µg/L	0.2	11-Jan-19	26.4	-
Chromium	µg/L	0.3	11-Jan-19	9.8	50 µg/L
Manganese	µg/L	0.3	11-Jan-19	265.3	≤ 50 µg/L (AO/OG)
Iron	µg/L	30	11-Jan-19	9876.75	≤ 300 µg/L (AO/OG)
Cobalt	µg/L	0.2	11-Jan-19	3.8	-
Nickel	µg/L	0.4	11-Jan-19	5.2	-
Copper	µg/L	0.5	11-Jan-19	14.4	≤ 1000 µg/L (AO/OG)
Zinc	µg/L	10.0	11-Jan-19	102.9	≤ 5000 µg/L (AO/OG)
Arsenic	µg/L	0.5	11-Jan-19	13.2	10 µg/L
Selenium	µg/L	0.8	11-Jan-19	3.1	50 µg/L
Strontium	µg/L	0.5	11-Jan-19	24.1	-
Molybdenum	µg/L	2.0	11-Jan-19	2.3	-
Silver	µg/L	0.6	11-Jan-19	< 0.6	-
Cadmium	µg/L	0.2	11-Jan-19	< 0.2	5 µg/L
Tin	µg/L	0.4	11-Jan-19	0.7	-
Antimony	µg/L	3.0	11-Jan-19	< 3	6 µg/L
Barium	µg/L	6.0	11-Jan-19	193.7	1000 µg/L
Mercury	µg/L	0.2	11-Jan-19	< 0.2	1 µg/L
Thallium	µg/L	0.2	11-Jan-19	< 0.2	-
Lead	µg/L	0.3	11-Jan-19	16.0	10 µg/L
Bismuth	µg/L	0.1	11-Jan-19	< 0.1	-
Uranium	µg/L	0.1	11-Jan-19	0.8	20 µg/L

Analytes	Units	RDL	Analysis Date	Trevor Clarke #2 Feb 4, 2019 W19-0091	Canadian Drinking Water Guidelines Limit
Beryllium	µg/L	0.4	5-Feb-19	< 0.4	-
Boron	µg/L	4	5-Feb-19	5.232	5000 µg/L
Sodium	mg/L	0.1	5-Feb-19	15.70	≤ 200 mg/L (AO/OG)
Magnesium	mg/L	0.02	5-Feb-19	4.50	-
Aluminium	µg/L	3.0	5-Feb-19	192.5	≤ 100 µg/L (AO/OG)
Phosphorus	mg/L	0.020	5-Feb-19	0.022	-
Potassium	mg/L	0.08	5-Feb-19	2.97	-
Calcium	mg/L	0.4	5-Feb-19	16.2	-
Titanium	µg/L	0.15	5-Feb-19	21.53	-
Vanadium	µg/L	0.2	5-Feb-19	0.7	-
Chromium	µg/L	0.3	5-Feb-19	0.6	50 µg/L
Manganese	µg/L	0.3	5-Feb-19	48.2	≤ 50 µg/L (AO/OG)
Iron	µg/L	30	5-Feb-19	375.49	≤ 300 µg/L (AO/OG)
Cobalt	µg/L	0.2	5-Feb-19	< 0.2	-
Nickel	µg/L	0.4	5-Feb-19	< 0.4	-
Copper	µg/L	0.5	5-Feb-19	3.4	≤ 1000 µg/L (AO/OG)
Zinc	µg/L	10.0	5-Feb-19	< 10	≤ 5000 µg/L (AO/OG)
Arsenic	µg/L	0.5	5-Feb-19	4.7	10 µg/L
Selenium	µg/L	0.8	5-Feb-19	< 0.8	50 µg/L
Strontium	µg/L	0.5	5-Feb-19	57.2	-
Molybdenum	µg/L	2.0	5-Feb-19	< 2	-
Silver	µg/L	0.6	5-Feb-19	< 0.6	-
Cadmium	µg/L	0.2	5-Feb-19	< 0.2	5 µg/L
Tin	µg/L	0.4	5-Feb-19	< 0.4	-
Antimony	µg/L	3.0	5-Feb-19	< 3	6 µg/L
Barium	µg/L	6.0	5-Feb-19	< 6	1000 µg/L
Mercury	µg/L	0.2	5-Feb-19	< 0.2	1 µg/L
Thallium	µg/L	0.2	5-Feb-19	< 0.2	-
Lead	µg/L	0.3	5-Feb-19	0.6	10 µg/L
Bismuth	µg/L	0.1	5-Feb-19	< 0.1	-
Uranium	µg/L	0.1	5-Feb-19	0.6	20 µg/L

What is in your Water?
What is your Health Worth?
What can you do to keep your
family safe?

Dug wells and Artesian wells need to be maintained
What would you miss

Before anything we inspect all wells first



Foreign Objects and unprofessional installations



Look at you well caps today!

Wells should be 2 feet above ground with the land sloping away, wells in depression ground allows bugs, rain, run off and even waste fuels, animal excrement can enter. Artesian water can flow for miles underground



Does this look like your Dug Well?
Did you know they should be 100 feet from your
septic and other sources of Contamination

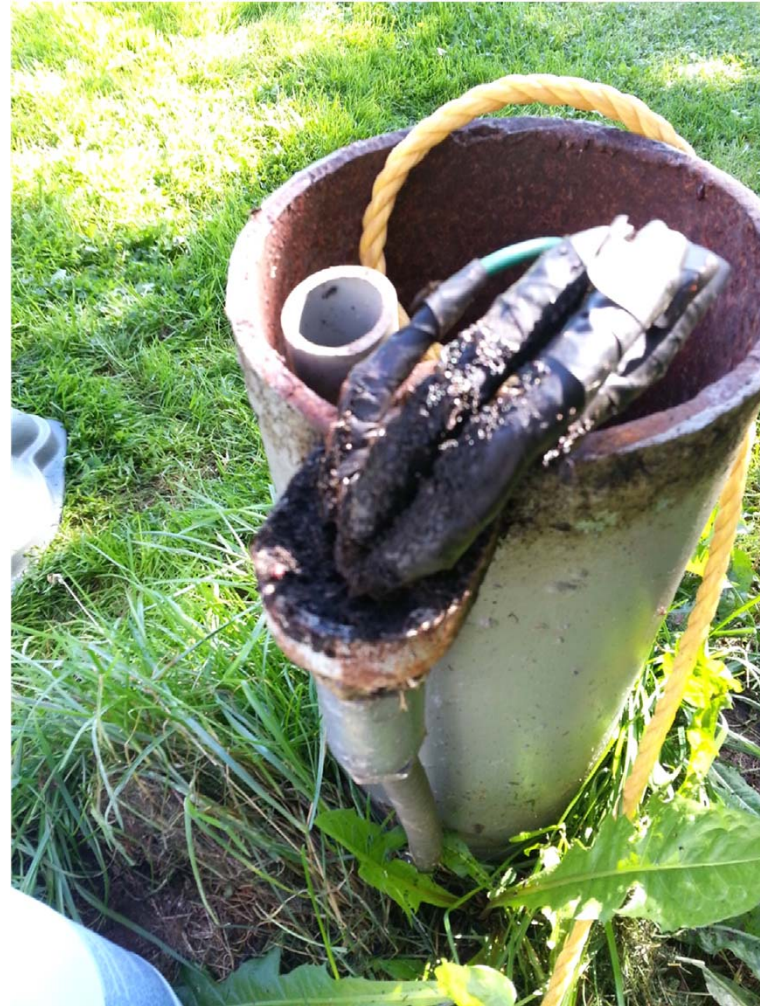


Many older wells non-vermin proof caps, Can be a source of the contamination.

If the caps are old they may have inadequate or no seals, bugs can enter into the well

Or over the years with the freeze and thaws, or a snow plow bumping into the casing could cause the well seal to break, Causing surface water, animal droppings or fuels that could be harmful to all who would drink it.

Next Slide shows how this has progressed inside the well as the bugs fell down into the water



This is Bacteria that has been growing for over 20 years in this well. This well is almost completely blocked.



- The family had no idea this was happening.
- Water tasted great, looked clear
- Never noticed any bad odours
- Except when they had company over someone did notice an off taste!

A Simple Chlorination will not Always Work!

- 1. We assess the well structure using a down the hole camera
- 2. We Determine the source of the well bacteria or e-coli contamination
- 3. We Use a high concentration of chemical to help to descale the well then a super scrub process
- 4. Sometimes bacteria is introduced from the surface or the well cap or even from the original pump installation
- 5. If required, we can install a well liner that repairs a leaky drive shoe or broken well seals

This is the same well after we used the super scrub process



- The results were amazing!
- Well is Clean as the day it was drilled
- We replaced the old well cap with a vermin proof cap
- Clean test results and Safe drinking water

Repair wells or Filtration Systems



Have your Water tested Today!

Its Your responsibility to maintain your well.

To keep your family safe.

Always remember where your families water originates from

Inspect your well today!

If you have any questions we are always available to Help and assist you.



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Water
Well Drilling
INC.

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Free Site Inspection • Well Certificates
Geothermal Drilling • 5 Year Guarantee