



YOUR GUIDE TO
Water Wells

Wild West
Drilling Inc.

www.wildwestdrilling.ca



OUR Mission

To provide you with the information you need to make an informed decision about your water systems. It's important to us that you have an understanding of groundwater and the process used to access this essential resource.

What this book offers you:

- Information on groundwater
- The process to access groundwater
- About our team
- How we can help you
- Your next steps



Wild West
Drilling Inc.

YOUR GUIDE TO WATER WELLS

What is groundwater?

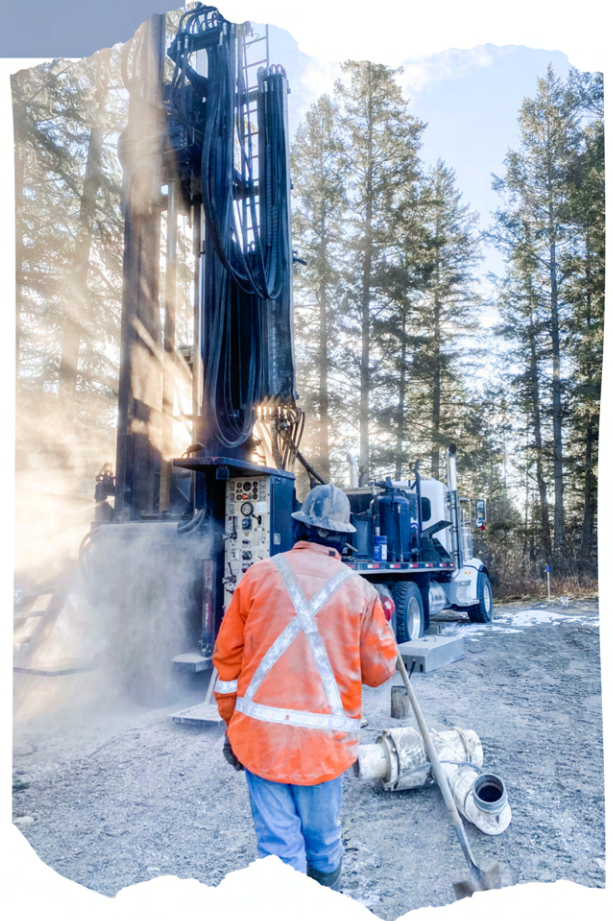
Groundwater is an essential resource used for municipal, domestic, agricultural, and industrial water needs.

What is a groundwater well?

Groundwater wells are holes drilled into the Earth that provide industries, municipalities, farms, and homeowners access to water that is stored in underground aquifers.

What is an aquifer?

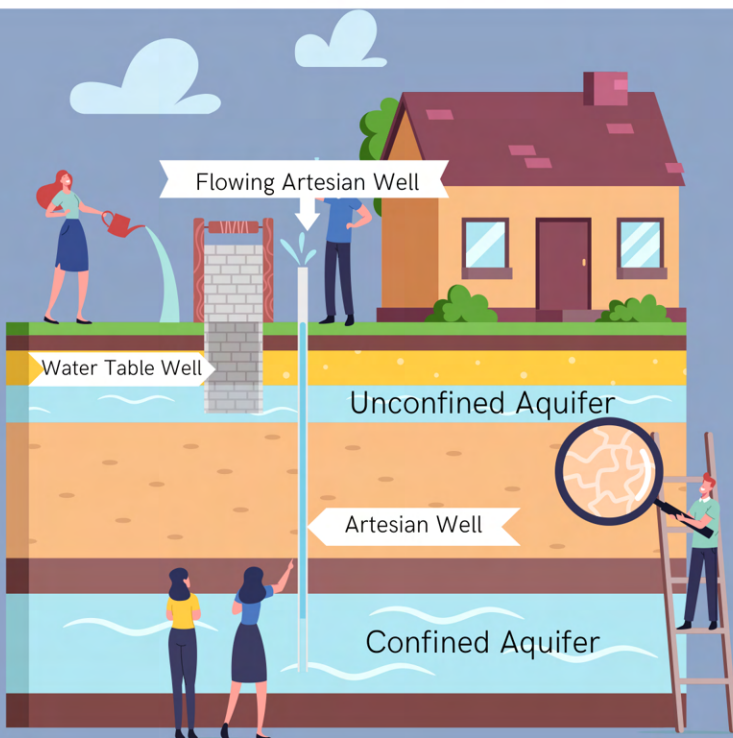
An underground storage of water found in porous rock or sediment. See diagram below.



How do you access this water?

Water wells vary in their depth, production, and quality. Any well drilled deeper than 15m is required to be directly supervised or completed by a registered water well driller.

For wells that are not dug, the use of specialized drilling equipment is used by a registered team. This equipment can drill through the different rock layers to gain access to groundwater.



Where should I locate my well?



When preparing to drill a water well, there are a few things to consider:

- Access for future inspection, repair and maintenance
- Wells should be outside of buildings, basements and sheds
- Consider possible challenges to access due to trees, sheds, patios, fencing, etc.
- Away from any source of contamination
- Well location also needs to meet the requirements outlined by your provincial government.

*A registered and experienced well driller for your area is able to provide support with well location for your property.

The main components of your well

- 01 Surface Seal**
Essential to keep contaminants from entering the well from the surface.
- 02 Well Casing**
Is used to maintain the opening of the drilled well.
- 03 Well Yield**
This is the capacity of your well's output and recharge rate.
- 04 Well Cap**
Key to keep rodents, contaminants and debris from entering your well.



WHAT YOU NEED TO KNOW

Before Hiring a Team

01 Verify Registration

Well drillers & pump technicians will have a verification card as proof of registration

02 Experience

Is the team familiar and experienced with drilling in your area?

03 Keep Informed

Be sure to ask about the construction, alteration, or decommission of a well or pump.

04 Artesian Well

Explore likelihood and plan for management in the event your well is a flowing artesian.

05 Well Yield

Though water and your water yield is not guaranteed, an estimate can be provided.

06 Documentation

Be sure to obtain a written report of any work completed on your water systems.





About Our Services

We offer a wide range of water system services for industrial, commercial, agricultural and residential use.

Combined Experience
Since 1999

50+



Commercial Projects

Supporting provincial and federal businesses with large water system projects.



Water Wells

Providing you with access to groundwater to support and sustain your household.



Geothermal Systems

This includes the design, drilling, grouting, and installation.



Service Types

- Water Well Drilling
- Environmental Drilling
- Coring
- Exploration and Piling bores
- Water Treatment and Filtration
- Water Pumps
- Well Decomissions
- Pre Purchase Inspections
- Equipment Rentals
- Crane and Excavating Services
- Geothermal Source and Discharge
- Micro-Seismic
- Open hole RC sampling
- Tower Anchors
- Ground Rods
- Anchor Rods & Bores
- Screw Piles
- Piezometer Installation

Since 1999, our mission has been to provide our local businesses, families, and individuals with the support needed to access groundwater and geothermal energy using environmentally friendly products.

WHO WE ARE

Meet our Registered Team



Chris Barling

Owner and Registered Well Driller

✉ Info@wildwestdrilling.ca

Chris began his career in the water well industry in 1993. When he's not working, he enjoys attending social events, getting out in the back country, travelling and fishing.



Matt Randall

Registered Well Driller & Well Pump Installer

✉ randall@wildwestdrilling.ca

Matt has been with Wild West Drilling since 2007 and received his certification through Red Deer College. Outside of work, he enjoys spending time with his family, hunting, and fishing.



Ben Peterson

Registered Well Pump Installer,

✉ info@wildwestdrilling.ca

Ben has been in the Industry for 20 years and has also completed the Canadian GeoExchange Coalition certificate. In his spare time, he enjoys heading out camping with his family.



WHAT YOU CAN Expect from Us



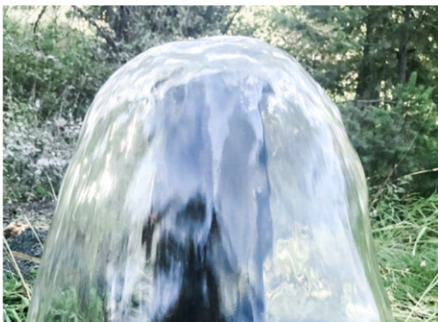
✓ Knowledge

We make it our priority to keep informed about water system requirements, so that you can trust that your water systems exceed the provincial standards to keep our groundwater protected and safe.



✓ Respect

We all want to be heard and acknowledged. Through open communication, listening, and transparency, we believe we can create a space for mutual respect and shared understanding.



✓ Quality

We don't just want to provide you with quality services, we want to give you quality water that supports you and your loved ones for years to come.

*We single zone water sources from others to decrease the potential of contamination to your well!

WHAT OUR CLIENTS SAY

"Chris and the team of Wild West Water Wells & Pump Service exceeded our expectations and we are delighted with the results."

Allan & Lori

"Our well water was clogging up our shower heads with minerals so Chris volunteered to help by walking me through the process over the phone. His guidance was greatly appreciated."

Margaret

"I would recommend Wild West Drilling to any as they are trustworthy, efficient, pleasant and polite. I will definitely get them to service my well from now on."

Barb



WHAT WE'LL USE

Tools & Resources

01 Water Well Drill

A primary piece of equipment for drilling your well.

02 Casing & Liner

Needed to maintain your well opening and protect your pump.

03 Pipe Truck

This carries the casing, liner, and other small tools needed for your well.

04 Stand up Crew

This includes our registered team members and support personnel.

05 Provincial Water Well Registry

Provides information on the water wells within your area.


06 Space


There is a lot of equipment needed to drill your well. We require approximately 1200 ft

Communication


Contact Details

 Info@wildwestdrilling.ca


 250-428-0137

 www.wildwestdrilling.ca

Office Hours

 M - F 8:30am - 4:30pm PST

Response Time

 24 - 48 hours excluding weekends & statutory holidays

FREQUENTLY

Asked Questions

How much water flow do I need to sustain my household?

This depends on a few different factors including your water storage capacity, the well depth and the static water level. In addition to this, the amount of water you use per day will impact the amount of water flow needed.

How long will it take to drill my water well?

This depends on a couple of factors, particularly the depth and the ground formation. On average, a well install is one or two days.

Can I work on my water well?

According to the water sustainability act, a person who installs, maintains, repairs, removes, or tests a well or well pump must be a well pump installer or driller who is qualified.

What is the expected lifespan of a water well pump?

On average, the lifespan of a pump is 15 years.

Can you drill in the winter?

Absolutely! Our drilling equipment and team work throughout each season.

YOUR NEXT STEPS

Give us a call and allow us to provide you with a quote. Quotes are valid for 15 days from the date received, so you can ensure we are the right team for you!

CONTACT US TODAY

- Phone the office directly (250) 428-0137
- Email us at info@wildwestdrilling.ca
- Complete our online booking form by clicking [Here](#)

Thank you for downloading and reading through our well guide. For more information and to stay up-to-date on your water systems, follow us on social media.



<https://www.facebook.com/WildWestDrilling>



@WildWestDrilling



Info@wildwestdrilling.ca

www.wildwestdrilling.ca



Wild West
Drilling Inc.