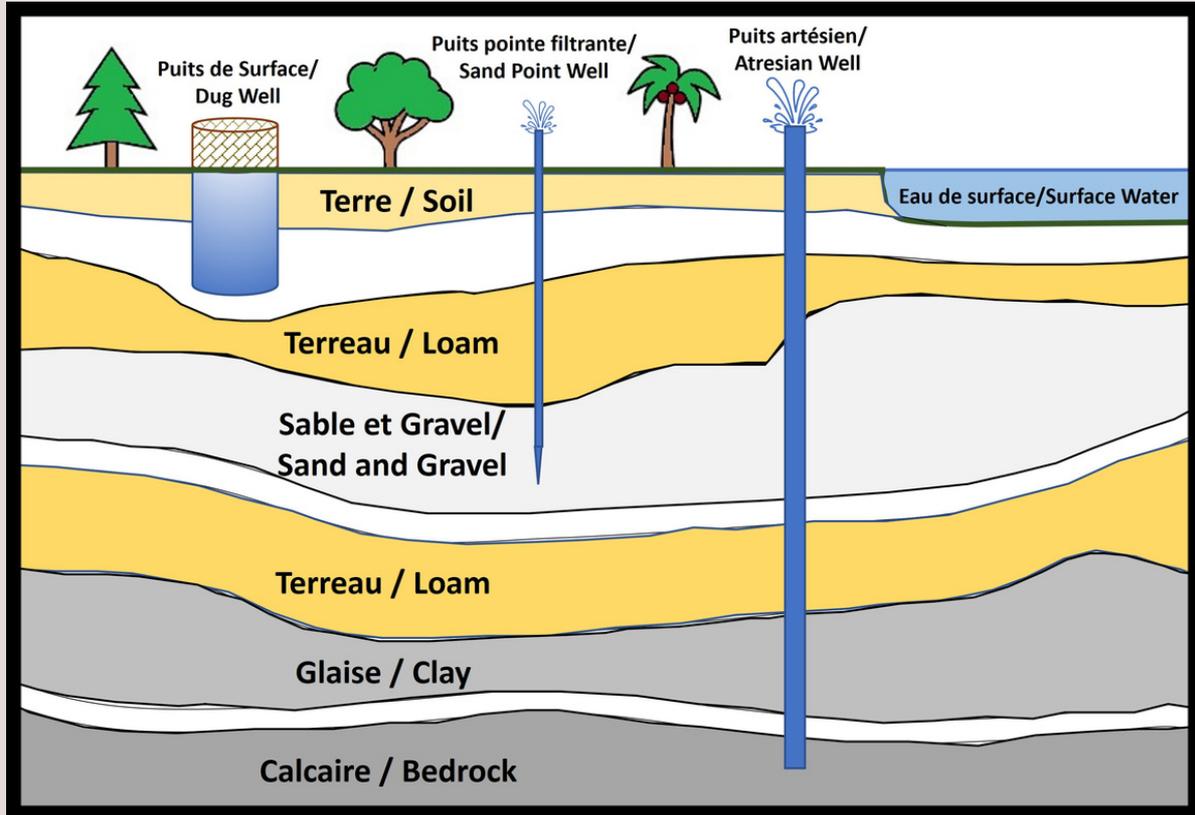




Wells 101



There are three types of wells.

Today the most common well type is the Artesian Well. It is also the most complex and expensive but, it is the most reliable and least likely to experience contamination issues. The other two types are much shallower and more susceptible to contamination as well as seasonal low water conditions. On page two we provide a detailed description of each type of well. Ask your experienced local real estate broker for referrals to well and water professionals. We will be happy to refer you to professional service

providers that we have worked with in the past. We can also provide referrals to water testing and quality experts who will test your water once the well is drilled and provide any solutions you may need as well as recommend preventative and maintenance measures.

P.1



Charles Racette

Residential and Commercial Real Estate Broker

514.916.8200 | 819.678.8200

charlesracette@royalpage.ca | www.charlesracette.com





Wells 101

Artesian Wells

These are deep wells that get their water from bedrock aquifers. The average artesian well in Quebec is 148ft deep but can be as deep as 1000 ft+. The well itself is drilled, has a diameter of 4-8" wide and uses a submersible pump at the bottom of the well. Artesian wells are lined with either PVC (plastic), galvanized steel or steel casings and are sealed at the top to make sure the well is not contaminated by ground water, run off, chemicals or animals.

Sand Point Well

Sand point wells are a smaller diameter than artesian wells at only 1-2" wide and are shallow wells, normally no deeper than 35ft. The sand point is either driven or jetted into shallow sand and gravel aquifers. Sand point wells are usually installed where the aquifer has a shallow water table and contains few or no stones. Because of its type of construction and the fact that it is shallow, the sand point well is considered highly susceptible to contamination. It is also susceptible to seasonal low water conditions. You may come across these and dug wells when looking at older recreational properties like cottages.

Dug or Bored Well

The shallowest type of well is the dug or bored well. It is usually no more than 30ft deep and between 24-48" wide. These wells are usually dug by hand or by heavy equipment. These wells can't really be dug below the water table. The walls of these wells can be lined with prefabricated concrete tile, corrugated, galvanized steel or in the case of older wells could even be lined with stone or brick. Large diameter wells like this are usually more susceptible to contamination. All large diameter wells must be capped with a safe cover

to prevent unwanted access by water, animals or other contaminants. Shallower, large diameter wells may also experience the added problem of low water levels during extended periods of low precipitation. Like the sand point well, you may come across dug and bored wells when looking at older recreational properties like cottages.

P.2



Charles Racette

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