



A large, white, stylized letter 'S' on a black background.

Soil Profiling, how it is important and how to do it!

Soil profiling is a very important task for not only farmers but geologists, energy companies, construction companies, engineers and so many other professionals! And for some of us we just like to learn about what's under our feet.

Soil profiles tell us a lot about not only the soil but also about the water, drainage and use for that piece of land. Even if it's not for farming!

Let's dive in and find out

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What is soil profiling and what is involved in it?

A soil profile is a 'slice of the soil' where you can see the layers (like a layer cake!) of different soil types and other materials that may impact how that land is used. Soil profiles can tell you a lot about what can be grown in the soil, where the water table is and what other materials (such as rocks, clay, or water) are present.

Just like the diverse types of land we see on the surface, under the surface there is great diversity as well.

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Why is soil profiling important? To answer that we need to understand the layers of soil profiles

Read more here à <https://soilsofcanada.ca/>

The top layers are populated by organic material, plants and dead organic matter, such as humus.

The 3rd layer is populated by granules of sand, dirt minerals and rocks,

The bottom two are completely populated with rocks, the first one is loose rocks broken up by natural movement, while the bottom-most layer is the bedrock which cannot be mined easily.

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But why is it important? Because if we did not do soil profiling, or at least did not do it properly.

Farming and drilling would be exponentially harder to do because we would not know where the bedrock is higher, and the topsoil is thin.

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You can easily do soil profiling, between the Lego ones in our boxes to grabbing and a shovel with your grown—ups to find a safe spot to do some in field or yard soil profiling. Finding out more about your soil will even help your plants and gardens grow better!



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