

Maine Certified Soil Scientists

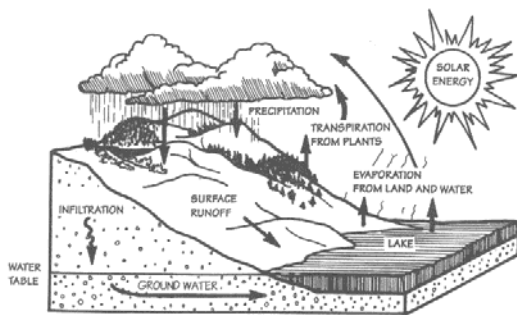
Provide A Wide Variety of Services Including:

- Soil Mapping & Classification
- Evaluation of Soil Capabilities & Limitations
- Hydric Soil Mapping, Wetland Delineation, & Permitting
- Assessing Septic System potential
- Assessment & Planning for Erosion & Sedimentation Control
- Water Quality Protection
- Nutrient Management
- Promotion of Land & Water Stewardship

Soil Erosion & Sedimentation:

When soil is eroded it carries away nutrients and destroys soil structure, both of which took thousands of years to develop and are essential for plant growth. When eroded soil enters a water body it changes the water chemistry which can lead to decreased water quality and land value on the water body. It can also irreversibly impact fish and shellfish habitat. This can result in a serious environmental problem.

Water Cycle



Typical Land Uses in Maine Dependent on Soil



Maine is the most forested state in the country. Land uses important to the “Maine way of life” that are directly dependent on soil quality are industrial forestry, blueberry production, potato farming and other types of agriculture.



SOILS OF MAINE

Learn more with the Maine Association of Professional Soil Scientists

From planting a small vegetable garden to construction of roads and buildings, an understanding of soil is important. Why is an understanding of soil important for everyone?

Soil is The Media for Plant Growth:

Plants are our food and create diverse habitats for wildlife. Plants get energy from the sun, but they get water and nutrients from the soil. Soil provides nutrients for our farms, allowing us to grow fruits and vegetables for consumption and feed for livestock. Soil also provides nutrients to our forests, creating diverse wildlife habitats and the food web.

Soil is an Integral Part of all Natural Cycles; Including Water and Carbon:

Soil provides filtration and cleaning of water, which keeps our lakes, rivers and streams clean, and keeps groundwater clean for drinking water. Soil can hold excess stormwater, helping reduce flood damage from storms. Soil traps and stores excess carbon that is in our atmosphere.

Background Photo Shows A Somewhat Poorly Drained Madawaska Sandy Loam with an 8-12” Layer Of Old Fill Material. This series t originated from post-glacial water-sorted (alluvial) material.