

Soil Profiling

Objectives

1. Identify the characteristics of soil layers
2. Determine the organic material from the soil particles
3. Determine the soil texture
4. Determine the elements found in a sample of soil based on the soil color.

Materials

Garden trowel

magnifying glass

Plastic zip-lock bag

soil texture triangle graph

Meter ruler

Sketch pad and colored pencils

Procedure

1. Using the garden trowel, dig a narrow , but deep pit (about 10 cm)
2. Measure the thickness of each soil and sketch the soil profile.
3. Take a sample of the soil. Store in the zip-lock bag.
4. Return to the classroom and determine the soil type.

Analyze and Conclude

1. Compare you soil profile sketch and soil type to other classmates. How similar is your sample to the other classmates?
2. Explain why the area is called the Sandhills. Do some research and find out why there this area is mostly sand.