

# SCOST®

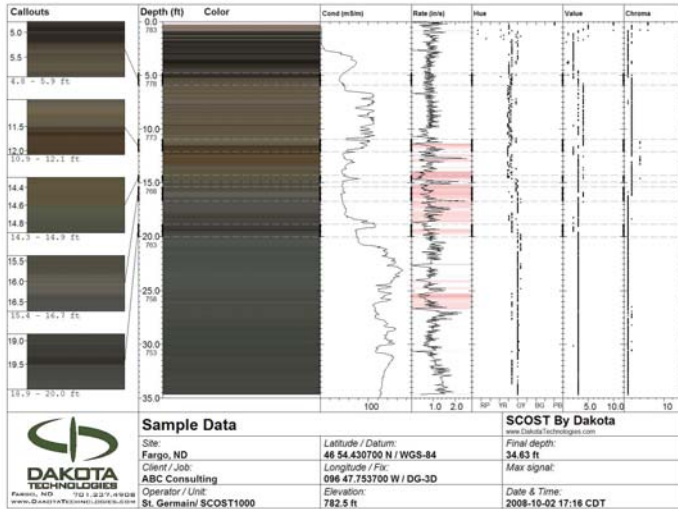
## Soil Color Optical Screening Tool

Soil Color Optical Screening Tool (SCOST®) is a complimentary module for UVOST® and TarGOST®. Soil color is one of the most important properties used to identify and classify soil horizons. This screening tool is an in-situ, percussion advanced instrument and builds off Dakota's long history of developing rugged optical field tools.

### SCOST benefits include:

- ☞ Records RGB and Munsell color information with less than one inch data density
- ☞ Produces a jpeg of color versus depth
- ☞ Fits inside a UVOST or TarGOST case, or available as a stand-alone unit
- ☞ Compatible with percussion delivery
- ☞ Utilizes Dakota's standard fiber cables and downhole tooling
- ☞ All the benefits of in-situ optical screening, including no investigation derived waste

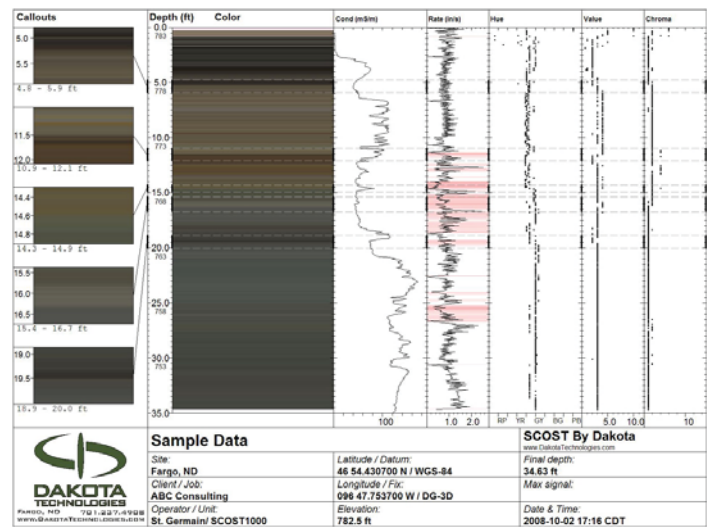
As illustrated in the log below, distinct soil layer transitions can be targeted and clearly identified using SCOST.



Example above shows: Soil Color, Conductivity, Push Rate, Hammer Rate (red fill), and Hue Value Chroma variation.

### Potential SCOST applications include:

- ☞ Investigation and monitoring of soil moisture
- ☞ Chemical state assessment
- ☞ Color-related secondary mineralization horizons
- ☞ Organic content/matter identification
- ☞ Coloring contaminants identification
- ☞ Colored tracers
- ☞ Cultural strata / archeology



Dakota's SCOST system is more reliable and accurate than electrical conductivity and more cost effective than drilling. Another important benefit is the lack of investigation derived waste, as is the case with all of Dakota's optical screening tools.