

ENREC FIELD SITES - SOIL TYPES

Online Soils Resource

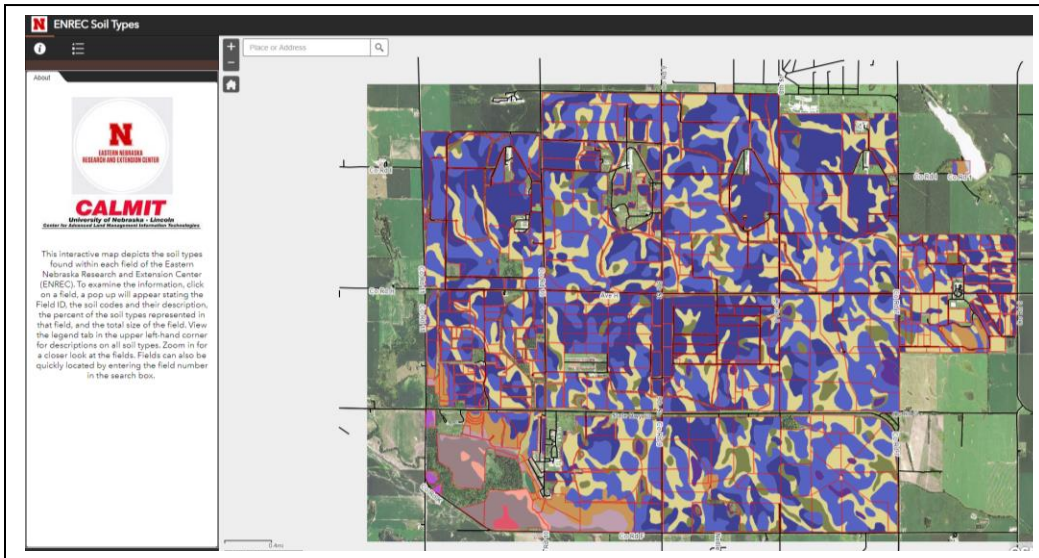
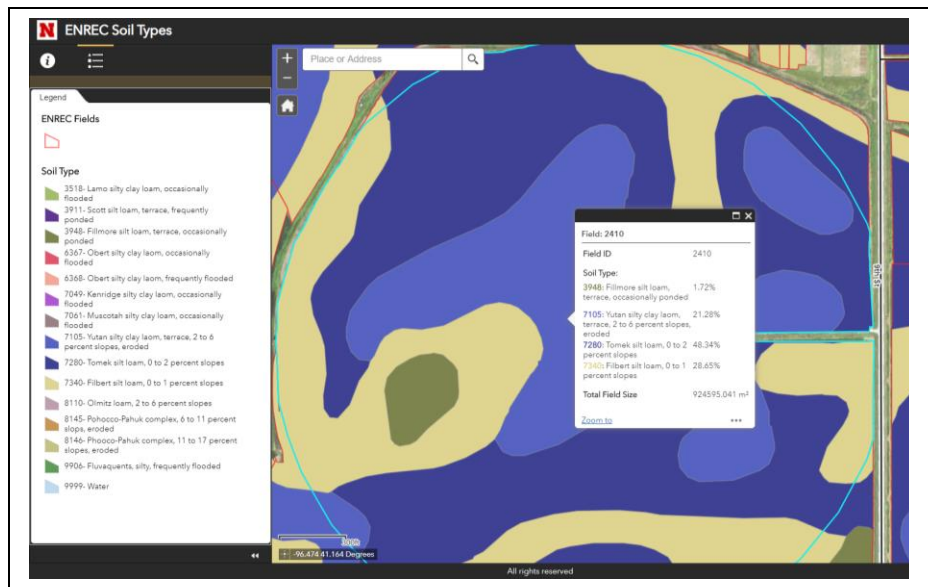


Figure 1. Online interface of ENREC Soil Types
https://go.unl.edu/enrec_soils

Soils are integral to the growth of natural and managed vegetation and key for agriculture crop production. Physical soil characteristics influence plant water relations and nutrient availability and are of prime interest for applications such as precision agriculture. A number of different soil types are represented at the field sites of the Eastern Nebraska Research and Education Center (ENREC) near Ithaca in Saunders County, Nebraska.

Under the direction of NebraskaView and the Center for Advanced Land Management Information Technologies (CALMIT), a student intern compiled USDA STATSGO soils data into an easily-accessible online interface (Figure 1). An interactive map depicts the soil types found within each field site at ENREC and allows ENREC field site users to examine, at a quick visual glance, the type and percentage of soil types within individual field sites (Figure 2). This provides a user-friendly visualization to a wide range of scientists who use ENREC as a key agricultural and natural resources research field facility.

Figure 2. To examine individual field information, click on a location and a pop up will appear showing the Field ID, soil series and description, the percent of the soil types occurring in that field, and the total size of the field.



NebraskaView is a member of the AmericaView Consortium, a nationally coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state.



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