Mapping Soils in Variable Parent Materials: The Citronelle Formation of Northwest Florida. (S05-wynne112231-Poster)

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Abstract:

The soils of the western Florida panhandle were formed primarily in parent materials of the Citronelle Formation. These Pliocene age alluvial deposits consist of several facies including point bar sands, levee deposits, channel lag gravels and backswamp deposits of silt and clay. The spatial distribution of soils formed in these parent materials is difficult to predict even over short distances. Because of this variability, factors such as landscape position, slope, and elevation are often not reliable components in a working soil mapping model. Using extensive soil profile data collected at regular transect intervals, the limitations of mapping soils formed in this type of parent material will be examined.

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Presentation Information:

Presentation Date: Tuesday, November 12, 2002
Presentation Time: 4:00-6:00 pm
Poster Board Number: 2101

Keywords:

soil survey, coastal plain soils