Orthophoto Image Map
Villa Grove Quadrangle, Douglas County, Illinois

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Remote Sensing Insights to Geologic Mapping

Remote sensing, or the analysis of data collected at a distance using airborne or satellite sensors, has been used to map geologic features since the early 1900s. One of the most widely used techniques is aerial photography, which has been used in conjunction with other information such as soil surveys and topographic maps to interpret geologic conditions within a study area. Using the Orthophoto Quadrangle program (DOQ), DOQs are coincident with the USGS 1:24,000-scale quadrangle coverage, have been created for this area and permits direct measurement of distances, areas, angles, and prominent spectral response effectively obscures the underlying soil moisture gradients across parent material boundaries are interpreted for mapping geologic features has been long recognized (USGS ... the state (Illinois Department of Natural Resources 1996) and cultivation practices frequently

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